

**KUSUMA SCHOOL OF BIOLOGICAL SCIENCES**  
**Indian Institute of Technology**  
**Hauz Khas, New Delhi-110 016**

**NOTICE INVITING QUOTATIONS**

Sealed quotations are invited for a Electrophoresis System as per the specifications described below on or before 13<sup>th</sup> January 2017. Two bids (separate quotations for technical and financial bid) put together in a common outer envelope subscribing “Quotation for Electrophoresis System” should be addressed and submitted to:

Prof. James Gomes  
Kusuma School of Biological Sciences  
Room No. 307  
Indian Institute of Technology Delhi  
Hauz Khas, New Delhi – 110016, India

**Description: Electrophoresis System**

**The Kusuma School of Biological Sciences, IIT Delhi is inviting quotations for purchase of an Electrophoresis System consisting of following fully compatible and interchangeable subunits (A, B, C and D given below). The equipment mentioned must fulfill the following specifications. Companies quoting must provide a point to point compliance.**

Electrophoresis system should essentially come with a programmable power supply having four sets of input jacks/ terminals which should be color coded to mark the positive and negative terminals. This power pack should be compatible with DNA, RNA, protein gel electrophoresis system and also with the Western Blot module. It should be able operate at constant current and constant voltage mode. The input voltage range should be 220-230 volts and output voltage range at least up to 300 volts and output current range up to 500mA and frequency of 50-60 Hertz. It should have display for both current and voltage.

**A. Specifications for Mini Horizontal Electrophoresis:**

- i. Should have a single moulded tank with lid and a safety option should be there in lid so that it cannot be closed in wrong orientation.
- ii. The lid should have attached/integrated power supply leads to connect it to the power pack directly.
- iii. The running tray should be visualizable under UV light and tray may have UV fluorescent ruler for easy viewing on gel doc and should have slots to accommodate 1 to 2 combs and at least two combs should be provided one for each of 8 wells and 15 wells and sample throughput of up to 30 samples.
- iv. System should have replaceable platinum electrodes.

- v. The system should also have stand-alone casting platforms for pouring gels simultaneously while the chamber is in use, bubble leveler for even gel casting and running.
- vi. The external gel caster should have height adjustable screws for balancing the uneven platforms for casting uniform gels.
- vii. Declaration of services to be provided to the client institution and price list of important spares should be provided and these spares should be available all-round the year.
- viii. Should conform to CE standard.

**B. Specifications for Wide Horizontal Electrophoresis**

- i. Should have a single moulded tank with lid and a safety option should be there in lid so that it cannot be closed in wrong orientation.
- ii. The lid should have attached/integrated power supply leads to connect it to the power pack directly.
- iii. The running tray should be visualizable under UV light and tray may have UV fluorescent ruler for easy viewing on gel doc and should have slots to accommodate 1 to 2 combs and at least two combs should be provided and sample throughput of 10-60 samples.
- iv. System should have replaceable platinum electrodes.
- v. The system should also have stand-alone casting platforms for pouring gels simultaneously while the chamber is in use, bubble leveler for even gel casting and running.
- vi. The external gel caster should have height adjustable screws for balancing the uneven platforms for casting uniform gels.
- vii. System should be capable to run precast ready agarose gels and hand cast gels, precast gels should be quoted from same supplier as optional products.
- viii. Declaration of services to be provided to the client institution and price list of important spares should be provided and these spares should be available all-round the year.
- ix. Should conform to CE standard.

**C. Specifications for Mini Vertical Electrophoresis Unit**

- i. System should include tank, lid with power cables, electrode assembly, casting stand for at least 2 gels, set of leak proof casters, five 10 well combs and five sets of glass plates with integrated spacers with one set of each 1mm and 1.5mm.
- ii. System should have a safety option so that the lid cannot be closed in wrong orientation.
- iii. The gel tank should be capable of running 2 mini gels simultaneously and capable of upgrading to 4 mini gels in the same tank.
- iv. The gel tank should be compatible with wet western transfer module and system should have the capability of adding an interchangeable module which can run SDS-PAGE or do western blotting in same buffer tank and gel the gel tank should be compatible with precast as well as hand cast gels.
- v. The buffer chamber requirement for each gel running should be up to 700 ml.
- vi. System should provide initial startup consumables for gel casting like Acrylamide, SDS, APS etc and like those required for running fast gels.

- vii. Declaration of services to be provided to the client institution and price list of important spares should be provided and these spares should be available all-round the year.
- viii. Should conform to CE standard.

**D. Specifications for Western Blot Module**

**The western blot module should be able accommodate the gels processed using the vertical electrophoresis system specified above and the setup of western blot module should be compatible with power supply unit as mentioned above.**

- i. System should include tank, lid with power cables, electrode assembly and should be compatible with the buffer tank and lid of the mini vertical electrophoresis unit, the specifications of which are described above.
- ii. Should provide short transfer times up to 1 hour and should also have the feature of overnight transfers at low intensity, should have cooling unit which can be contained completely in the trans-blot module and is capable of absorbing heat generated during rapid transfers.
- iii. To ensure proper orientation of the gel during transfer, system should have color coded cassettes and electrodes.
- iv. Size and weight of the complete unit should be such it is easy to use and handle for research purpose.
- v. Declaration of services to be provided to the client institution and price list of important spares should be provided and these spares should be available all-round the year.
- vi. Should conform to CE standards.

### **Terms & Conditions Details**

1.	<b>Due date:</b> The tender has to be submitted off-line before the due date. The offers received after the due date and time will not be considered.
2.	<b>Preparation of Bids:</b> The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid. Validity of 3 months is required.
3.	<b>Acceptance/ Rejection of bids:</b> The Committee reserves the right to reject any or all offers without assigning any reason.
4.	<b>Risk Purchase Clause:</b> In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.
5.	<b>Delayed delivery:</b> If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty 1% per week and the maximum deduction is 10% of the contract value / price.
6.	<b>Prices:</b> The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges. The offer/bid should be exclusive of taxes and duties, which will be paid by the purchaser as applicable. However the percentage of taxes & duties shall be clearly indicated. The price should be quoted without custom duty and excise duty, since IIT Delhi is exempted from payment of Excise Duty and is eligible for concessional rate of custom duty. Necessary certificate will be issued on demand.
7.	<b>Resolution of Disputes:</b> The dispute resolution mechanism to be applied pursuant shall be as follows: <ul style="list-style-type: none"><li>• In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration &amp; Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, Indian Institute of Technology (IIT) Delhi and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.</li><li>• In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.</li><li>• The venue of the arbitration shall be the place from where the order is issued.</li></ul>
8.	<b>Applicable Law:</b> The place of jurisdiction would be New Delhi (Delhi) INDIA.
9.	<b>Right to Use Defective Goods</b> If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.
10.	<b>Supplier Integrity</b> The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.

11.	<p><b>Training</b></p> <p>The Supplier is required to provide training to the designated Purchaser's technical and end user personnel to enable them to effectively operate the total equipment.</p>
12.	<p><b>Installation &amp; Demonstration</b></p> <p>The supplier is required to done the installation and demonstration of the equipment within one month of the arrival of materials at the IITD site of installation, otherwise the penalty clause will be the same as per the supply of materials.</p> <p>In case of any mishappening/damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. IITD will not be liable to any type of losses in any form.</p>
13.	<p><b>Incidental services:</b> The incidental services also include:</p> <ul style="list-style-type: none"> <li>● Furnishing of 01 set of detailed operations &amp; maintenance manual.</li> <li>● Arranging the shifting/moving of the item to their location of final installation within IITD premises at the cost of Supplier through their Indian representatives.</li> </ul>
14.	<p><b>Warranty:</b></p> <p>(i) The warranty period should be clearly mentioned. The maintenance charges (AMC) under different schemes after the expiry of the warranty should also be mentioned. The comprehensive warranty will commence from the date of the satisfactory installation/commissioning of the equipment against the defect of any manufacturing, workmanship and poor quality of the components.</p> <p>(ii) After the warranty period is over, Annual Maintenance Contract (AMC)/Comprehensive Maintenance Contract (CMC) up to next two years should be started. The AMC/CMC charges will not be included in computing the total cost of the equipment.</p>
15.	<p><b>Governing Language</b></p> <p>The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.</p>
16.	<p><b>Applicable Law</b></p> <p>The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction.</p>
17.	<p><b>Notices</b></p> <ul style="list-style-type: none"> <li>● Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX or e mail and confirmed in writing to the other party's address.</li> <li>● A notice shall be effective when delivered or on the notice's effective date, whichever is later.</li> </ul>
18.	<p><b>Taxes</b></p> <p>Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, VAT in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the order.</p>

19.	<p><b>Duties</b></p> <p>IIT Delhi is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required.</p> <p>b) Quotation with details of Basic Price, Rate, Tax &amp; Amount on which ED is applicable</p> <p>c) Supply Order Copy</p> <p>d) Proforma-Invoice Copy.</p>
20.	<p><b>Payment:</b></p> <p>i. For Indigenous supplies, 100% payment shall be made by the Purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at IITD in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 9 of tender terms and conditions.</p> <p>ii. Indian Agency commission (IAC), if any shall be paid after satisfactory installation &amp; commissioning of the goods at the destination at the exchange rate prevailing on the date of negotiation of LC documents, subject to DGS&amp;D registration for restricted items.</p> <p>iii. All the bank charges within India will be borne by the Institute and outside India will be borne by the Supplier.</p>
21.	<p><b>User list:</b> Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided.</p>
22.	<p><b>Manuals and Drawings</b></p> <p>(i) Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals. These shall be in such details as will enable the Purchaser to operate, maintain, adjust and repair all parts of the works as stated in the specifications.</p> <p>(ii) The Manuals shall be in the ruling language (English) in such form and numbers as stated in the contract.</p> <p>(iii) Unless and otherwise agreed, the goods equipment shall not be considered to be completed for the purposes of taking over until such manuals and drawing have been supplied to the Purchaser.</p>
23.	<p><b>Application Specialist:</b> The Tenderer should mention in the Techno-Commercial bid the availability and names of Application Specialist and Service Engineers in the nearest regional office.</p>
24.	<p><b>Site Preparation:</b> The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.</p> <p>The supplier shall visit the Institute and see the site where the equipment is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre-installation requirements.</p>
25.	<p><b>Spare Parts</b></p> <p>The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <p>ii. Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and</p> <p>iii. In the event of termination of production of the spare parts:</p>

	<p>iv. Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and</p> <p>v. Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.</p> <p>Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.</p>
26.	<p><b>Defective Equipment:</b> If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms &amp; conditions, IIT Delhi may consider "Banning" the supplier.</p>
27.	<p><b>Compliancy certificate:</b> This certificate must be provided indicating conformity to the technical specifications. (Annexure-I)</p>



## DECLARATION SHEET

We, \_\_\_\_\_ hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty.

The prices quoted in the financial bids are subsidized due to academic discount given to IIT Delhi.

We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.	NAME & ADDRESS OF THE Vendor/ Manufacturer / Agent
1 Phone	
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 TIN Number	
7 PAN Number	

(Signature of the Tenderer)  
Name:

Seal of the Company