



National Center for Biological Sciences  
Tata Institute of Fundamental Research

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ENQUIRY

Ref: NCB/CA17-108/162486

October 12, 2017

Dear Sirs

Please let us have your Quotation for the following:

S.No.	Item Code	Description	Qty	UOM
1	LCQBE000144	Electroporator (As per attached specification)	1.00	NO

1. The bids shall be enclosed in an envelope and due date sealed duly marked Tender for \_\_\_\_\_ Ref No: 162486. The bids should be addressed and to be mailed to 'THE HEAD-PURCHASE'.

The bids are liable to be rejected if the sealed envelope is not addressed to "THE HEAD-PURCHASE" with Tender Ref No. and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail, it should reach by submission date and time and NCBS will not be responsible for the delay.

2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 01/11/2017.

3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.

4. The validity of your quotation should be for 60 days from the due date.

5. All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.

6. Your quotation should indicate delivery period & warranty period.

7. Delivery to be made to our stores. Please indicate charges, if any extra. Transit Insurance should be done upto NCBS Stores.

8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, please state so and then offer alternative to quality/specifications.

9. Payment: within one month after delivery & acceptance/satisfactory installation.

10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.

11. Since we are a public funded research institution, we are exempted from paying Customs duty (Except ad valorem duty of 5% + 2% Cess and 1% Cus Sec & High Edu. CESS vide Notification No.51/96 with latest amendments) and excise duty vide Notification No. 10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices

12. If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.

13. Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time shall apply. The courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties

Yours faithfully  
For and on behalf of  
National Centre for Biological Sciences

*Shabeen Taj*

SHABEEN TAJ

Copy to: Prof. / Dr. / Mr. / Mrs. / Ms. / Shri / Smt. JAYAPRAKASH R. (NCB-12P4168)  
Your Indent Req. No.JRA1200091 Dated:10/10/2017 refers.

Remarks: Electroporator for BSL 111

## Specifications of Electroporator

The system should have Exponential decay or square wave depend on sample and capacitor selected.

The system should have predefined programs for different type of DNA or cells.

The system should have universal cuvette holder with high standard of safety.

Maximum output voltage and current 2,500 V at 125 amp peak (normal load) limited to 1,500 A during arc.

Output voltage 50–2,500 V range (depending on the capacitor with 10 V adjustment precision for the high voltage range and 2 V for the low-voltage range (50–500 V)).

Pulse Controller II System

Selectable resistance, ohms, (parallel) 100, 200, 400, 600, 800, 1,000, infinity ohms Pulse Controller PLUS

Selectable resistance, ohms, (parallel) 50, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1,000, infinity Capacitance Extender II System

Selectable capacitors,  $\mu\text{F}$  25 to 2500  $\mu\text{F}$ , in 25  $\mu\text{F}$  increments;

Capacitance Extender PLUS System

Selectable capacitors,  $\mu\text{F}$  25 to 3,275  $\mu\text{F}$ , in 25  $\mu\text{F}$  increments;

System should have Input voltage 220/240 V RMS, 50/60 Hz

System should have programmable voltage and optimized, fixed pulse times.

System should have resistance (Parallel) 50-1500  $\Omega$  in 50  $\Omega$  increment plus infinity

System should have sample resistance 10  $\Omega$  minimum at 10-500v; 125  $\Omega$  with buffer

System should have square wave timing 10-500v: 0.05-9999.95 ms pulse length, 1-3 pulses

System should have 0.1 – 10 sec pulse interval.

The system should operate at 230V, 50 Hz AC power

The system should be supplied with all the accessories required to function.

Compliance to each of the above points should be separately indicated and evidence presence for each of them (Product brochures should be highlighted wherever required).

The system should be supplied with 3 years warranty as a part of the offer.

The System should be CE/ISO Approved