



पादप कार्यिकी संभाग
DIVISION OF PLANT PHYSIOLOGY
मा.कृ.अ.प.—भारतीय कृषि अनुसंधान संस्थान
ICAR-Indian Agricultural Research Institute
नई दिल्ली—110012 (भारत)
NEW DELHI - 110 012 (INDIA)



File No: 50-20/HEUPP/19-20/NAHEP(71-01)

Date: 07/11/2019

To

Dear Sirs,

**Sub : INVITATION FOR QUOTATIONS FOR SUPPLY OF
Horizontal electrophoresis unit with power pack**

1. You are invited to submit your most competitive quotation for the following goods:-

Brief Description of the Goods	Specifications *	Quantity	Delivery Period	Place of Delivery	Installation Requirement if any
Horizontal electrophoresis unit with power pack	Annexure - A	10	Within 90 days after issue of Purchase/Supply Order	Division of Plant Physiology, IARI, Pusa Campus, New Delhi - 110012	As per terms and conditions.

* Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only.

2. Government of India has received a financing from the World Bank towards the cost of the said Equipment/Item **under NAHEP-CAAST (71-01) Project** and intends to apply part of the proceeds of this financing to eligible payments under the contract for which this invitation for quotations is issued.

3. **Bid Price**

- The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- Sales tax in connection with the sale shall be shown separately.
- The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- The Prices shall be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation. Bidder shall not contact other Bidders in matters relating to this Quotation.

5. **Validity of Quotation**

Quotation shall remain valid for a period not less than 15 days after the deadline date specified for submission.

6. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) are properly signed ; and
- (b) conform to the terms and conditions, and specifications.

The Quotations would be evaluated for all the item together/would be evaluated separately for each item. *[Select one of the options]*.

Sales tax in connection with sale of goods shall not be taken into account in evaluation.

7. **Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order.

7.3 **Successful Bidder should submit 10% of Total Cost of Equipment as Performance Guarantee after receiving the Purchase/Supply Order.**

8. Payment shall be made immediately after delivery of the goods.

9. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.

10. You are requested to provide your offer/Sealed Quotation latest by 13.00 hours on 14/11/2019 in Room No. 125, Division of Plant Physiology, IARI, New Delhi - 110012.

11. We look forward to receiving your quotations and thank you for your interest in this project.

(Purchaser)
Name: Assistant Admn. Officer.
Address: Division of Plant Physiology,
IARI, Pusa Campus,
New Delhi - 110012
Tel. No. 011 25842815.

Technical Specifications

Name of the Capital item with brief description: Minor Equipments (Horizontal electrophoresis unit with power pack)

Detailed specifications:

Horizontal Electrophoresis: (10 units)

1. Should be capable of running gel size (W x L, cm): 26 x 32cm
2. Should be supplied with 8 Combs with 28 wells each and 8 combs of 52 wells each
3. Tank capacity should be minimum of 1400(ml)
4. Single mould of acrylic for absolutely transparent visualization of samples.
5. Robust construction should render hitting proof, corrosion proof and leak proof
6. applicability.
7. Large buffer tank should allow easy buffer circulation and cooling to stabilize the pH
8. during electrophoretic run.
9. Complete system should include buffer tank, safety transparent lid with cables to prevent
10. buffer spillage and avoids contact with electrode for safer operation.
11. Automatic cut off of electric field when the lid is opened.
12. Should possess longer gel tray sufficient for high resolution sample runs without the use of large amount of gel.

Note:Specifications are generic in nature

Power pack:- (5 units)

1. Should have minimum programmable output specifications: Volts - 10–250 V, fully adjustable in 1 V steps, Current - 0.01–3.0 A, fully adjustable in 0.01 A steps, Power - 1–300 W, fully adjustable in 1 W steps
2. Should have constant voltage & constant current
3. Should have minimum 4 output terminals floating in parallel
4. Should have fully adjustable timer control from 1 min to 99 hr 59 min
5. Should have Pause/resume function
6. Should be able to store minimum 1 Programmable method with up to 3 steps
7. Should have automatic recovery after power failure
8. Should have an internal fan to keep the power pack cool during long hours of working
9. Should have electrical safety compliance EN61010
10. Should have provision to connect 4 electrophoresis tanks
11. Should conform to CE standards for emissions and immunity class A, tested at 120/230 V
12. 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
13. Should be able to operate at 0–40°C, 0–90% humidity in the absence of condensation and have a transparent top cover to detect any circuit problems without opening the system

Terms & Conditions:

- Supplier need to submit the specification compliance for their product in a tabulated and point wise manner
- Authorized dealer/supplier in India should enclose authorization certificate from the Principal

- On-site warranty minimum of 2 years from the date of installation
- Authorized dealer should have service centre in India
- Brochure having detailed technical specifications (to be enclosed in original with quotation)
- On-site installation, demonstration and training
- Detailed technical manual in original with instrument
- 10(Ten) User certificate/order copy to be enclosed with the document.

FORMAT OF QUOTATION *

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
1.							
	TOTAL						
	Sales Tax						

Gross Total Cost : Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs.(amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf has engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices (as defined in the prevailing World Bank's sanctions procedures) in competing for or in performing the Contract.

Signature of Supplier

* *Applicable while the bids are being invited for more than one item and would be evaluated for all the items together.*

Modify where evaluation would be made for each item separately.