



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



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

Date: 07/11/2019

To

Dear Sirs,

**Sub : INVITATION FOR QUOTATIONS FOR SUPPLY OF  
High throughput DNA isolation system**

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
High throughput DNA isolation system	Annexure - A	02	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.

e) 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: High throughput DNA isolation system**

**Detailed specifications for each High throughput DNA isolation system:**

1. Two units which are capable of processing samples up to 2 x 24 wells (2ml capacity) or 2 x 96 (96 well plates) each within 15 sec-4 minutes at 15-30 Hz.
2. Each unit should be fast disruption of up to 48 or 192 samples in minutes through high-speed shaking with beads, which beat and grind samples.
3. Each unit should do effective disruption and homogenization.
4. Each unit should reproduce results with difficult-to-lyse tissues in horizontal vibration shaking.
5. There should no cross-contamination, as each sample should be sealed.
6. It should disrupt multiple biological samples through high-speed shaking in plastic tubes with stainless steel, tungsten or glass beads.
7. Each unit should do a wide variety of samples, including animal and plant tissues, bacteria, and yeast, can be disrupted to release high-quality DNA, RNA, and protein for subsequent purification and analysis.
8. Each unit should be suitable for dry and wet both grinding.
9. Each unit should be compatible with dual adaptor for 2.0 ml and 96 well plates adaptor set.
10. Each unit should have digital pre-selection of vibrational frequency 3-30Hz.
11. System should be quick with efficient pulverization and homogenization.
12. High sample throughput due to short grinding times and two grinding stations.
13. System should not create noise more than 65 (dB)A.
14. Reproducible results by digital pre-selection of grinding time from 10 second to 99 minutes.
15. Availability of local service engineers and service facility would be preferred.
16. Electric power should be 220V ac, 50/60 Hz
17. Each unit should come with 2 years warranty and 2 years AMC after warranty period.
18. Should possess CE-conformation.
19. Minimum 25 installations should be in India.

**Note:** Specifications are generic in nature

**Each unit should come with the following accessories:**

- a) Dual adaptor set for 48x2 ml tubes, as well as 2x96 well plates
- b) 3 mm size SS beads (200 nos)
- c) 5 mm size SS beads (200 nos)
- d) 2x50 ml grinding jar with grinding ball
- e) Consumables: 25 box of 96 well cluster box for grinding the small amount of samples

**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.

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**FORMAT OF QUOTATION \***

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

**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.