

जैव रसायन संभाग

DIVISION OF Biochemistry

भा.कृ.अ.प.–भारतीय कृषि अनुसंधान संस्थान, पूसा, नई दिल्ली–110012

ICAR-Indian Agricultural Research Institute, Pusa, New Delhi-110012

File No. BC/ST/NAE/2019-20

Dated : 23/07/2019

निविदा-सचूना

Online quotations are invited from reputed Manufacture/Dealer/Supplier in two bid system (Technical bid & Financial bid) for purchase of following Scientific Equipment/Items on behalf of Director ICAR- Indian Agricultural Research Institute, New Delhi. The **last date for submission of Bid 17.08.2019 at 1.00 PM**. The **bid will be opened on dated 19.08.2019 at 14.00 hrs** by the prescribed committee.

Please visit www.iari.res.in for Details Rules and Regulation and Log on www.eprocure.gov.in for online.

Sl. No.	Name of Scientific Equipment/ Item	Quantity
1.	SOXHLET SOLVENT EXTRACTION SYS	1. No.

Instructions to the bidder and terms & conditions of tender:

1. The rates quoted shall be valid for a minimum period of 180 days from the last date fixed for submission of bid.
2. The rates quoted shall be free of cost delivery and installation at the Division/Unit of **Biochemistry**, IARI, New Delhi – 110012. However, equipment quoted in foreign currency must be quoted on FOB/ CIP basis
3. Custom Duty Exemption Certificate (CDEC) will be issued only when the bid is quoted in foreign currency in case of foreign made items only and meant for IARI
4. Full specifications of the item/ article quoted for shall be given in the quotation.
5. If taxes, duties or any other charges over and above the rates quoted livable, actual percentage of such taxes/duties/other charges should be clearly indicated.
6. **EMD of Rs. 6,000/- Rupees Six thousand only** should be in the form of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favors of Director, IARI payable at New Delhi. The original EMD should be submitted to the Tender Inviting Authority on or before the last date and time of offline bid submission. The details of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee physically sent, should tally with the details available in the scan copy and the data enter during the bid submission time otherwise the uploaded bid will be rejected.
7. No interest on security deposit and earnest money deposit shall be paid by the Institute to tenderer.

8. The EMD shall be refunded to the unsuccessful bidders after finalization of the quotation. In case of successful bidder, it can be adjusted towards security deposit which is 5-10% of the order value in the form of D.D./ Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favour of Director, IARI payable at New Delhi and shall remain valid for 60 days beyond the date of completion of all contractual obligation of supplier including warranty obligation for the equipment/goods costing Rs.1.00 lakhs (Rs. One Lakh) or more. Here would however, be no performance security deposit for equipment/goods costing less than Rs. 1.00 lakhs (Rs. One Lakh).
9. One year warranty has to be invariable provided by the firm. In case, there is any variation in the warranty period given in the specification of the item/equipment, the warranty period shall be the final as given in the specification.
10. Payment will be made by mode of e-payment to the supplier/firm after satisfactory completion of work and receipt of pre-receipt bills triplicate.
11. The Director IARI, New Delhi reserves the right to accept or reject any or all the quotations either in full or in parts without assigning any reason.
12. Quotations not complying with the above conditions are liable to be rejected.
13. Scanned copy of GST/TIN/VAT/PAN/C.S.T. Nos may be attached with the bid.
14. In case, any dispute arising out of this contract shall be subject to the jurisdiction of Indian laws & Court at New Delhi. Sole arbitrator is appointed by the Secretary, ICAR, New Delhi. His decision will be final and binding on both parties (Supplier and Purchaser)
15. The successful bidder has to execute the indented Job/Work as mentioned in the supply order placed with them within the stipulated period as given in the supply order placed by this office failing which 2% per week and maximum of 10% deduction as liquidated damage charges will be made from the bill in case the job is not completed within the given stipulated period.
16. Firm should enclosed proof for three years' experience in this line (copies of supply order received in 3 years . should be enclosed.
17. For locally (within India) manufactured good/items. Proforma invoice for the goods/items to be procured from the OEM or Authorized agent/Distributor for goods/ spare parts of equipment manufactured aboard, proforma invoice is to be procured from the OEM in the currency of that "the rates quoted by them are the same and not higher than those quoted with other Government, public sector or private organizations and undertaking that, in case it supplies or quotes a lower rate to other Government , public sector or private organizations, it would reimburse the excess" The firm may mandatorily submit the purchase order of same goods/items which it supplied to Government Departments in recent past in order to justify the quoted rates.
18. Certificate from the OEM in favor if Authorized Agent/Distributor clearly stating that "the agent is the sole authorized agent to provide goods / service in India for the OEM products" The certificate shall not be dared more than one year old and valid for at least next 12 months. The agency Agreement/Distributor certificate should clearly bring out Exclusive status of the agent (Sole selling agent in India) after sales service arrangements, validity of the Agreement with foreign Principal. Agency Commission. The agreement between the OEM and the Agent/Distributor must make the Indian Agent/Distributor responsible for all the contractual obligations including quality aspects, replacement of parts/items and warranty/guarantee obligations.

Sl. No.	Description / Specification of the Equipment/ Item
1.	<p>Name of Equipment : SOXHLET SOLVENT EXTRACTION SYS One No.</p> <p>Specification : As per Annexure -A</p>

Asstt. Admn. Officer
SKB

TECHNICAL SPECIFICATIONS for the purchase of Automatic Soxhlet System

(a) Automatic Solvent Extraction System

- Fully Automatic Programmable Eight Place Auto sequencing PC Compatible Solvent Extraction System
- TFT Graphic Touch Screen Display with unique wireless mouse to operate at a distance of 1-2 m.
- Thimble diameter: Should have 2 types of nitrocellulose thimbles (25 x 80 mm & 33 x 80 mm)
- Should have 2 Ports in the motherboard one for PC connectivity another for direct connection to Remote Mouse/Data-logger/ Memory stick
- Memory stick for data storage with separate port in mother board apart from PC Port
- Inbuilt mini printer for print options to document pre-programmed settings and logged data's
- Icons to represent output of heating process in touch screen display (70 programs, 12 ramps)
- Temperature Controller should be isolated separately in a control tower to protect electronics from digestion heat zone and acid reaction zone
- Extraction time: 45 – 60 mins depending on solvent & sample type
- Solvent Volume: 70 – 90 mL
- Sample size: 0.5 to 5 gm depending on sample density
- Temperature Range: Ambient to 300°C
- Initial heat up time: 7-10 mins
- Solvent Recovery: 70-80%
- Repeatability: $\pm 1\%$ relative or better
- Solvent usage: 10 to 20% after recovery
- Auto Phase change of extraction includes boiling, Condensation, rinsing, solvent recovery & pre-drying
- PC software performs Live graphical representation of time /temperature gradient on touch screen display
- Inbuilt Air-pump , SS Manifold, Automatic collection of recovered Solvent
- Remote control module for wireless data monitoring, control and transfer to PC at a distance of 5-10 feet
- The Entire display screen of Controller should wirelessly appear in the PC/ Laptop of user, to monitor & control from his work table.
- Accuracy: According to official AOAC methods
- **Safety Features:** The electrical parts like switches, controllers, display etc except the heating element should be separated from the unit. Auto Over temperature protection, Auto Error Indication, Auto Sensor Break Protection, Heater cut off feature with buzzer indication and alarm, Acoustic signals with visual display, Power failure mode: Holds previous programmed setting in memory and on power resumption starts from last set value.
- Electrical Requirement: 230V/50Hz. AC Mains.

(B) Refrigerated Water Cooling Circulating system

- Refrigerated Water Cooling Circulating system. SS Tank,
- Submergible pump for recirculation, Over load protection, MS powder coating housing.

(C) Data Processing system of following configuration :

I5 Processor, 4 GB RAM, 500 GB Hard Disk, DVD Writer, Wifi with original win10 and printer

- Warranty of three years for complete instruments from the date of installation.
- On-site installation and demonstration.
- **SPECIAL CONDITION:** Company should have good performance track record of at least 10 years with references of users of similar equipment. The original Manufacturers of laboratory equipments should have at least Rs. 3 crore per annum turnover in the past 3 years towards financial capability. The instrument shall strictly confirm to the specifications with relevant brochure. The company should be reputed supplier should not be blacklisted or should not have any adverse remarks in the past. Spares should be made available for minimum period of 10 years after the warranty period by the supplier.

सुप्लायर

27/01/2021
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डा. रंजित रंजन
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डा. नरेश कुमार
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