



**जल प्रौद्योगिकी केन्द्र**  
**भा.कृ.अ.प.—भारतीय कृषि अनुसंधान संस्थान**  
**नई दिल्ली—110012**



मिसिल संख्या: ज.प्रौ.के./2019-20/डी.एस.टी.(24-673)/35-1

दिनांक: 18.02.2020

**आनलाईन निविदा सूचना / E-Tender Notice**

निदेशक, भा.कृ.अ.प.—भारतीय कृषि अनुसंधान संस्थान, नई दिल्ली द्वारा जल प्रौद्योगिकी केन्द्र, में अनुसंधान कार्य हेतु प्रतिष्ठित आपूर्तिकर्ताओं से दो बोली प्रणाली (तकनीकी एवं वित्त बोली) के अंतर्गत **Nitrogen Analyser** की खरीद हेतु आनलाईन निविदा आमंत्रित किये जाते हैं।

आनलाईन निविदा संख्या	ज.प्रौ.के./एस.एफ.सी./2019-20/
आनलाईन निविदा जारी करने की तिथि	20.02.2020 समय 10-00 बजे।
आनलाईन निविदा (शुरू) जमा करने की तिथि	20-02-2020 समय 10-30 बजे।
आनलाईन निविदा जमा करने की अंतिम तिथि	13-03-2020 समय 13-00 बजे।
आनलाईन निविदा (तकनीकी) खोलने की तिथि	14-03-2020 समय 02-00 बजे।
पत्राचार/सम्पर्क करने का पता	सहायक प्रशासनिक अधिकारी, जल प्रौद्योगिकी केन्द्र, भा.कृ.अ.प.—भारतीय कृषि अनुसंधान संस्थान, नई दिल्ली—110012

विस्तृत नियम व शर्तों के लिए भा.कृ.अ.सं. की वेबसाइट [www.iari.res.in](http://www.iari.res.in) एवं आनलाईन निविदा जमा करने के लिए <http://eprocure.gov.in> देखें।

सहायक प्रशासनिक अधिकारी

प्रतिलिपि:

1. प्रभारी, ए.के.एम.यू., भा.कृ.अ.प.— भा.कृ.अ.सं., नई दिल्ली से अनुरोध कि उपरोक्त को संस्थान की वेबसाइट पर रखें।

**WATER TECHNOLOGY CENTRE**  
ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE  
NEW DELHI -110012

F.No. WTC/2019-20/DST(24-673)/35-1/

Dated: 18-02-2020

As per list attached

**Subject: E-Tender for the Nitrogen Analyser.**

Sir,

**Online BID** are invited from reputed manufacture/Dealer/Supplier in **two bid system (Technical bid & Financial bid)** for purchase of **Nitrogen Analyser** on behalf of Director ICAR-Indian Agricultural Research Institute, New Delhi.

The last date for submission of bid **13-03-2020 at 1:00 PM.**

**Technical bid** (tender) will be opened on **14-03-2020 at 02.00 PM** and **Financial Bid** will be opened later on.

Please visit [www.iari.res.in](http://www.iari.res.in) for details rules and regulation and log on [www.eprocure.gov.in](http://www.eprocure.gov.in) for online.

**Quotation shall satisfy the following conditions:**

1. The rates quoted shall be valid for a minimum period of 180 days from the last date fixed for the receipt of quotations.
2. The rates quoted shall be for free delivery and installation at the Division/Unit ICAR-IARI, New Delhi – 110 012. Costs of imported item/equipment manufactured in abroad, should be quoted in the currency of manufacturing country on FOB basis and showing price upto CIF. Quotation in Indian Rupees will be accepted if the good/equipment is manufactured in India, otherwise the bid will be liable to reject.
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. In case the bid is offered in Indian Rupees on FOR value basis than CDEC/DSIR certificate will not be given by the Institute at all. However, GST as applicable will be paid by the Institute as per rule.
5. The successful bidder will have to provide the original proforma invoice from the foreign principal (duly signed in ink), in case of imported item/equipment at the earliest but positively within 15 days of the date of receipt of purchase order, otherwise the purchase order will automatically stand cancelled without any further communication.
6. Full specifications of the article quoted for shall be given in the quotation along with literature/pamphlet/drawing etc. User list of the quoted document may also be additionally provided for reference.
7. If taxes, duties or any other charges over and above the rates quoted leviable, actual percentage of such taxes/duties/other charges should be clearly indicated.

8. If the bid is submitted by the authorized dealer on behalf of the Manufacturer/OEM, than valid authorization certificate of the Manufacturer/OEM must be attached with the bid, otherwise bid will not be considered.
9. As per CVC's guidelines No.12-02-6CTE-SPJ(1)-2/161730 (circular No.3/1/12) dated 13/1/2012, in a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. Further, if an agent submits bid on behalf of the Principal/OEM the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
10. Supply is to be made by any convenient mode of transport at supplier's risk unless otherwise specified.
11. In case the material is supplied through an authorized agent, manufacturer shall be responsible for the successful installation of the equipment. The manufacturer shall be liable to any penal action for the shortcomings of the authorized agent. Any payment that is to be made separately to the agent if any shall be clearly mentioned in the quotation.
12. The bid should be accompanied with earnest money of **(Rs. 10,000/- Rupees. Ten Thousand only)** 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 as mentioned against each of the item/equipment together with the technical bid, in the absence of which the price bid, if any, will not be opened under any circumstances.
13. No interest on security deposit and earnest money deposit shall be paid by the Institute to renderer.
14. 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 lakh (Rs. One Lakh).
15. 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.
16. 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. In case of foreign currency payment shall generally be made through LC directly to the manufacturer.
17. 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.
18. Quotations not complying with the above conditions are liable to be rejected.
19. Scanned copy of GST/PAN/C.S.T. Nos. may be attached with the bid.
20. Technical and financial bids are to be prepared separately. If technical & financial bids are not given separately, it will be rejected out rightly without assigning any reason
21. AMC/CMC charges shall not be included for the evaluation of the financial/commercial bids.
22. 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)

23. The successful bidder has to execute the indented material/items as mentioned in the supply order placed with them within the stipulated period as given in the supply order placed by the Unit/Divisions of this Institute failing which 2% per week and maximum of 10% deduction as liquidated damage charges will be made from the bill in case the material is not supplied within the given stipulated period.
24. There will be no exemption for paying earnest money. However, Firms registered with the Central Purchase Organization/NSIC only are exempted from submitting bids without EMD (proof of registration must be attached therefore without which it will not be considered).

**The following documents must be furnished with the technical bid failing which tender will not be accepted at all.**

1. Scanned copy of GST/PAN/C.S.T. Nos.
2. Current Authorization letter issued from Manufacturer/Principal Firm in original
3. Earnest Money Deposit (EMD)

### **SCHEDULE**

<b>Sl. No.</b>	<b>Name of the Equipment/Description of Material</b>	<b>Quantity required</b>	<b>Approximate Cost</b>
<b>1.</b>	<b>Nitrogen Analyser</b> <b>Specification : As per Annexure-A</b>	<b>One</b>	<b>-</b>

**Asst. Admin Officer**

**Copy to Incharge, AKMU with the request to kindly place on IARI website**

**Specifications for Advanced Fully Automatic Nitrogen Analyzer Assembly****A. Automatic Macro Block PC Compatible Digestion System**

- Twenty place 250 ml capacity PC Compatible Block Digestion System with all essential accessories
- TFT Graphic Touch Screen Display with unique wireless mouse
- Should have 2 Ports in the motherboard one for PC connectivity another for direct connection to Remote Mouse/Datalogger/ Memory stick for data storage with separate port in mother board apart from PC Port
- Integrated autosequencing time/temperature domain with software/ programs
- Inbuilt mini printer for print options
- Isolated Temperature Controller
- Temperature Control Range: Room temperature to 450 ° C, Temperature Accuracy :  $\pm 0.5$  ° C
- PC software performs Live graphical representation of time /temperature gradient
- Remote control module for wireless data monitoring, control and transfer to PC.
- Data logger with real time clock with memory stick for data storage with separate port in mother board
- All essential accessories like Digestion Tubes, SS Insert Rack, Exhaust Manifold, Suction assembly for safe removal of acid fumes

**B. Scrubber System:**

- **Three stage acid neutralization scrubber.**
- Non corrosive centrifugal inbuilt magnetic suction pump for water recirculation,
- FRP Tank, Containers for Alkali and Water

**C. Automatic Distillation System :**

- Autosequencing Programmable Microprocessor based Dual Distillation with inbuilt software,
- Colour Touch Screen Display, No. of Samples: Two at a time,
- Independent stainless steel non corrosive steam generator, expansion vessel and water condenser,
- Auto Intelligent run of programmable steps, Addition of Dilution, Automatic KMnO<sub>4</sub> addition for determination of available nitrogen, Alkali Addition, Steam Processing, Process over indication with alarm with inbuilt delay time features, Complete Automatic safety features.
- Auto sensing of “NO WATER” condition in condenser & steam generator with alarm & signal
- Auto deactivation of operation after warning on no water condition in case of user non availability
- Enables automatic monitoring and measuring of high temperature in distillate with sensor for auto warning signal and safety alarm to alert user to control distillate temperature.
- The control panel unit along with inbuilt temperature controller, timer, mother board and SMPS should be isolated in separate compartment to protect electronics from wet chemistry & acid/ alkali process area for longevity and safety of all electronic components.
- Nitrogen level : 0.1 to 200 mg Nitrogen (Min / Max Detection Limit)
- Nitrogen Reproducibility:  $\pm 0.1\%$  RSD , Nitrogen Recovery :  $> 99.5\%$
- Electrical Requirement: 220-230V single phase 50Hz A.C

**D. Digital Burette Titration System**

Sd/-

**(Dr. Khajanchi Lal)  
Principal Scientist**