

जवाहरलाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार की स्वायत्त - मान्यता प्राप्त विश्वविद्यालय)

JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH

(An Autonomous Institution under Department of Science & Technology, Govt. of India - A Deemed University)
जक्कूर पोस्ट, बेंगलूर 560 064, कर्नाटका, भारत / Jakkur P.O., Bengaluru - 560 064, Karnataka, INDIA

JNC/PUR/ICMS/20-21/91/E

January 20, 2021

NOTICE INVITING TENDER

Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur invites sealed tenders in two bids (Technical & Commercial) from qualified and experienced Vendors for **1 No. of WATER PURIFICATION SYSTEM** as per the terms and conditions below and as broad specifications shown in **ANNEXURE-I**

TERMS & CONDITIONS:

1. Any item not specifically mentioned in the technical specification but essential for successful implementation of the system (in the opinion of the bidder) must be brought to our notice and quoted accordingly.
2. At the time of installation, if it is found that some additional items are required to meet the operational requirement of the configuration, but not included in the bidder's original list of deliverables, the bidder shall supply such items to ensure completeness of the configuration at no extra cost.
3. Delivery period should be 8 weeks from the date of Purchase Order. Once delivered to onsite, the installation, commissioning and acceptance period will be within two weeks from the date of delivery of equipment.
4. The successful bidder immediately after the award of the Purchase Order shall prepare a detailed plan of installation as proposed to be followed by placement of the equipment, etc.
5. System Installation and integration of all supplied equipment and software shall be done by the successful bidder. Subcontracting in any form is not allowed.
6. Bidders should clearly specify after sales/service/application support/AMC capabilities. Bid validity should be 60 days.
7. Warranty and support: All supplied Equipment with Accessories – 3 years.
8. Provide all information as regards pre-installation requirements (i.e. room, environment) for system installation.
9. Detailed list of users of the system in India with contact details to be furnished.
10. Bid Security Declaration should be submitted in your Company Letter Head.
11. Performance Security: The successful bidder has to provide 10% Performance Security in the form of Bank Guarantee within 15 days after receiving Purchase Order. (The same PS will be treated as PBG). Letter of Credit will be established only after receipt of mandatory 10% Performance Security in advance.


के. भास्करा राव / K. BHASKARA RAO
वरिष्ठ भंडार एवं क्रय अधिकारी / SR. STORES & PURCHASE OFFICER
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12. Performance Bank Guarantee: Successful bidder has to submit 10% PBG valid for three years.
13. Payment terms: 100% Irrevocable Letter of Credit. 90% payment will be affected against documents through bank, balance 10% after installation & acceptance, commissioning and submission of Performance Bank Guarantee for 10% of Purchase Order value valid for three years from the date of installation/commissioning. For local supplies, payment terms are 30 days from the date of supply / acceptance and submission of Performance Bank Guarantee for 10% of Purchase Order value valid for three years from the date of installation/commissioning.
14. Late & delayed quotations will not be considered.
15. As time is the essence of the contract, delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the successful bidder will forfeit Security Deposit. Of the supplier fails to supply, install and commission the system as per specifications mentioned in the Purchase Order within the due date, the supplier is liable to pay liquidated damage of 0.5% of Purchase Order value per every week of delay subject to a maximum of ten percent beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier. JNCASR reserves the right to cancel the Purchase Order in case the delay is more than ten weeks. Penalties, if any, will be deducted from the Security Deposit. The maximum amount of penalty shall be ten percent. Liquidated damages shall be levied on the Purchase Order value, freight, insurance and duties.
16. The place of Applicable Law / Jurisdiction is Bengaluru, Karnataka, India.
17. Decision of the President, JNCASR will be final.
18. **Shipping Terms:** Price quoted should be on FCA basis for imported items.
19. **Goods & Service Tax:** Please note that JNCASR is eligible for GST Concession under 45/2017 notification and IGST under 47/2017 notification, will issue a certificate to this effect. The prices can be quoted either in foreign denominations or in INR. Exchange rates as on the date of price bid opening will be taken into account for comparison purpose.
20. **Custom Duty:** Please note that JNCASR is eligible for customs duty exemption under 51/96 notification and will issue a certificate to this effect. C.D. Nil at present.
21. **Formats for price-bid:** Corresponding to each part in the technical bid there should be a pricing referring to the Part name in the technical bid and mentioning quantity, unit price and total price. If there are any other charges, they should be also added at the end. All pages have to be serially numbered. References if any to technical bid should be provided along with the exact location (page number, etc). You are required to use the price bid format given by us only for commercial tender.
22. **Warranty Replacements:** Any replacement of defective items during Warranty period is the responsibility of the successful bidder. The expenditure involved like freight charges, customs duty, insurance charges, clearance charges etc. are to be borne by the successful bidder.

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23. **Submission of Proposal:** The proposal should be submitted in a sealed two bid system. One containing sealed technical bid and the other one a sealed price bid. The bidder name, the nature of the envelope (either technical bid or price bid) must be clearly mentioned on top of each of the envelope. The sealed proposals must be addressed to Senior Stores & Purchase Officer, JNCASR. The proposals should be submitted at the Stores & Purchase Department, JNCASR.
24. **Evaluation of bids:** Technical bids will be evaluated by JNCASR. Price bids of technically qualified bidders only will be opened on date and time that will be decided by the JNCASR.
25. Public Procurement (preference to "Make in India") order 2017 will be considered as per order No. P-45021/2/2017-PP (BE-II), dated 28.05.2018.

IMPORTANT DATES	
Last date for submission of bids (Two-bid system)	February 4, 2021 up to 3.00 PM
(a) Technical Cover : Technical Specs. Commercial Terms and Conditions, Brochures, Compliance statement EMD & Bill of quantities without Price Information.	
(b) Price bid cover: With complete specs & item wise Rates to be indicated.	
Opening of technical bids :	February 4, 2021 at 4.00 PM
Opening of commercial bids :	Will be informed later


(K. Bhaskara Rao)
Sr. Stores & Purchase Office

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TECHNICAL SPECIFICATION FOR WATER PURIFICATION SYSTEM

1. Two stage imported water purification system (one for Type 1 and one for Type 2 water)
2. Should have Deionization Technology to Remove Ions as Contaminants from Type 2 water Constant quality & continuous performance.
3. Tank level sensors should be there in Tank
4. The production of the Type 2 water should be minimum 20 Liter per hour
5. Provision to prevent back flow on Reverse Osmosis
6. Recirculation Loop from tank to DI is required for keeping the tank water clean and contributes for ICP-MS/OES measurements.
7. Automatic rinse and flush with automatic Sanitization
8. Provision of conductivity and resistivity meters
9. TOC monitoring display is required on to the Type 1 system for better monitoring; TOC indicators will not be acceptable
10. Conductivity cells are carefully calibrated prior to each measurement via built-in reference resistance with cell constants at 0.01 cm-1
11. Measurement of inlet pressure, pressure on RO cartridge, water level in tank, DI ionization unit /EDI Module, flush/rinsing /standby /operate mode with auto test of all measurements
12. Alarm at low pressure, quality below set point, exchange pack
13. Wall mounting / table top mounting facility
14. Provision for water softener included (if required)
15. System should have In-built Ultra-Filtration to provide RNase and DNase free water.
16. Pre-treatment should be there with activated carbon with 5 micron pre with hardness stabilizer
17. Storage tank capacity - 60 ltr or more and has to be Imported to keep the good quality for ICMOES/MS
18. System should be supported with the application data on ICPMS/OES/PCR quality of water by the quoted system as it is important for scientist to claim later.
19. Resistivity of Type 2 water: $>1M\Omega.cm@25^{\circ}C$.
20. Resistivity of Type 1 water: $\geq 18 M\Omega.cm@25^{\circ}C$
21. TOC without UV: $\leq 30ppb$, TOC with UV: $\leq 5 ppb$
22. Less than 2 Particulates/mm with size $> 0.22 \mu m$
23. Less than 0.01 cfu/mL microorganisms
24. Very low level of Endotoxin($< 0.003pg/mL$), DNase ($< 0.4pg/mL$)
25. Very low level RNase ($< 0.003pg/mL$), DNase ($< 0.4pg/mL$)
26. Flow rate for Type 1 water: at least 2 L/min
27. System should have the remote dispenser with at least 3m length
28. Option of Validation services
29. System should be both ISO & CE (European CE) certified to ensure quality .Certificate copies should be enclosed in technical bid.
30. Consumables for 2 years to be included with system including two spare RO.
31. Guarantee/warranty –5 years followed by 5 years AMC/CMC
32. The company should provide required data sheets for the mentioned specification.
33. Three Years Consumables like filters, cartage, uv lamp, RO membrane others.
34. Three years warranty for the system.


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