



DIVISION OF MICROBIOLOGY
ICAR- INDIAN AGRICULTURAL RESEARCH INSTITUTE
Pusa, New Delhi - 110 012



F. No. ICAR-IARI/Tissue Lyser/23-24/Micro

Dated: 30/10/2023

BOO GeM Bidding

On behalf of Secretary, ICAR-IARI, Indian Agricultural Research Institute (IARI), **Division of Microbiology, IARI** invites online e-tender through GeM (BOQ), two bid system for Supply, commissioning and installation of "**Tissue Lyser (Qty. 1 No.)**" to be installed at **Division of Microbiology, ICAR-IARI, New Delhi**, from the reputed **supplier/manufacturers who can supply the required material,**

1) Tender Schedule

Tender No.	
Published Date	30.10.2023
Bid Submission start date	30.10.2023 as per Bid Schedule
Last date & time for submission of bid	As per Gem Bid Schedule
Bid Opening date and time	As per Gem Bid Schedule
Address for communication if any	Division of Microbiology ICAR-IARI, New Delhi -110012

2) Details of Tender Deposits :-

- Tentative cost of Bid: Rs. 08.00 Lakh (approx.)
- Earnest Money Deposit: Rs. **Rs. 24,000/- (Rupees twenty four thousand only),**
- Performance Security Deposit: 10% of the contract value. (The performance security should remain valid for a period of sixty days beyond the date of supply, commissioning and installation of the item)
- **The online BoQ Bid document can also be viewed from IARI website www.iari.res.in and www.gem.gov.in**

Note : In case, a holiday is declared by the Government on the day of opening bids, the bids will be opened on the next working day at the same time. The IARI reserves the right to accept or reject any or all the tenders without assigning any reason. Please note that only online bids will be accepted.



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To

Dear Sir(s),

Online Tenders are hereby invited by Director, Indian Agricultural Research Institute (IARI) on behalf of Secretary, Indian Council of Agricultural Research (ICAR), New Delhi for **"Tissue Lyser"** to be installed at Division of Microbiology, ICAR-IARI, New Delhi.

1. The terms and conditions of the contract are those contained in the General Conditions of contract applicable to the contracts placed by the ICAR-IARI as detailed in the tender forms. Please submit your rates in the GeM BOQ bid form if you are in a position to furnish the requisite supply, Commissioning and installation in accordance with the requirements stated in the bid.
 - An Earnest Money Deposit [Bid Security] of Rs. 24,000/- (Rupees Twenty four thousand only) must be deposited (physically) in the form of Demand Draft/Pay Order/FDR payable to **In favour of Director, ICAR-Indian Agricultural Research Institute payable at New Delhi - 110012** to Asstt. Admn. Officer, Division of Microbiology (in the office), ICAR-IARI, New Delhi - 110012 on or before the last date/time of submission of GeM Bid.
 - Exemption from EMD submission is meant for procurement of only goods produced and service rendered by MSEs and not for any trading activities by them.
 - The rates quoted by each firm for this in bid should be valid for 180 days and should be quoted both in words and figures failing which the same is liable to be rejected.
 - No request for alteration in the rates once quoted will be permitted.
 - The rates to be quoted should include cost of each and every item including transportation cost, manpower cost and taxes etc. The IARI shall not bear any extra charge for the same.
 - Conditional bids shall not be considered. No overwriting or cutting is permitted in the tender documents. Such bids will be rejected out-rightly.
 - Only those firms will be considered for financial bid who will qualify in the technical bid.
 - Each page of the technical bid must be signed by the Vendor while submitting technical bid.
 - If Vendor does not accept the offer, after issue of letter of award by IARI within 01 day, the offer made shall be deemed to be withdrawn without any notice & earnest money forfeited.
2. An amount @ 10% of the estimated value of contract is to be deposited by the selected firm/successful Vendor as Performance Security Deposit (Performance Bank Guarantee) only after issuance of Supply order through GeM portal/this office. In the event of non-deposition of the same, the earnest money will be forfeited. No interest on Earnest Money (EMD) and Performance Security Deposit (Performance Bank Guarantee) shall be paid by the IARI to the Vendor.



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3. The following document/vouchers are required to be uploaded with the Technical Bid in following manner with page number of each papers/documents, uploaded.
- (a) Scanned copy of Earnest Money Deposit (EMD)
 - (b) Scanned copy of Registration Certificate of the firm under Company/Shops & Establishment Act of the respective state for this purpose.
 - (c) Scanned copy of valid registration certificate issued by National and Small Industries Corporation (NSIC), (MSME) if applicable.
 - (d) Scanned copies of proofs of minimum last three year's i.e. 2020-21, 2021-2022 and 2022-2023 satisfactory supply, installation and commission of the product.
 - (e) Scanned copy of proof of minimum turnover of the firm not less than Rs.10,00,000 (Rupees Ten Lakh Only) during each of the last three financial years with balance sheet duly approved by Chartered Accountant.
 - (f) Scanned copies of Income Tax (PAN), Service Tax /GST Registration Certificates
 - (g) Scanned Copy of ISO certificate with literature of the equipment "Tissue Lyser"
 - (h) The firm/agency must enclose a certificate indicating that there is no criminal legal suit pending or contemplated against it. An Undertaking as per attached Format duly attested by Notary on a non-judicial stamp paper of value of Rs.100/- (Rupees One Hundred Only) regarding their non-blacklisting by any of the Govt. Departments, Public Sector Undertakings and/or by Central Vigilance Commission during the last three years.

Yours faithfully,
Sd/-

Assistant Administrative Officer
Microbiology Division, ICAR-IARI,
Assistant Administrative Officer
सहस्य जीव विज्ञान संस्थान
Division of Microbiology
भा.कृ.अनु.प.-भारतीय कृषि अनुसंधान संस्थान
ICAR-Indian Agricultural Research Institute
नई दिल्ली / New Delhi-110012



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TECHNICAL BID APPLICATION for purchase of "Tissue Lyser"

Sl. No.	Technical Requirement	Particulars
1.	Name of the Tendering /Firm/Agency/ Contractor : (Attach attested copy of certificate of registration).	Yes/No (Page No.)
2.	Name of Director of Company/ Active Partner of the firm/: authorized Agent/ Proprietor.	Yes/No (Page No.)
3.	Full address of Operating/ Branch Office Telephone No., Fax No., E-mail address:	Yes/No (Page No.)
4.	Full address of Operating/ Branch Office at: Delhi/ New Delhi	Yes/No (Page No.)
5.	Banker of the Company/ Firm/ Agency/ Contractor with Full address (Attach certified copy of latest Bank statement)	Yes/No (Page No.)
6.	Scanned copy of Earnest Money Deposit (EMD)	Yes/No (Page No.)
7.	Scanned copy of Registration Certificate of the firm under Company/Shops & Establishment Act of the respective state for this purpose.	Yes/No (Page No.)
8.	Scanned copy of valid registration certificate issued by National and Small Industries Corporation (NSIC), (MSME) if applicable.	Yes/No (Page No.)
9.	Scanned copies of proof of minimum last three year's i.e. 2020-21, 2021-2022 and 2022-2023 satisfactory supply, installation and commission of the product.	Yes/No (Page No.)
10.	Scanned copy of proof of minimum turnover of the firm not less than Rs.10,00,000 (Rupees ten lakh Only) during each of the last three financial years with balance sheet duly approved by Chartered Accountant.	Yes/No (Page No.)
11.	Scanned copies of Income Tax (PAN), Service Tax /GST Registration Certificates.	Yes/No (Page No.)
12.	Scanned Copy of ISO Certificate with literature of the equipment.	Yes/No (Page No.)
13.	The firm/agency must enclose a certificate indicating that there is no criminal legal suit pending or contemplated against it. An Undertaking as per attached Format duly attested by Notary on a non-judicial stamp paper of value of Rs.100/- (Rupees One Hundred Only) regarding their non-blacklisting by any of the Govt. Departments, Public Sector Undertakings and/or by Central Vigilance Commission during the last three years.	Yes/No (Page No.)
14.	Additional Information/detail, if any must be supported by attested certificate.	Yes/No (Page No.)
15.	Whether you agree to bear the cost of equipment. If fails to supply, commissioning the support within week time. Please attach undertaking as per <i>per Annexure-1</i> .	Yes/No (Page No.)

I, the undersigned certify that I have gone through the terms and condition mentioned in the GeM Bid document and undertake the comply with them. The rates quoted by me are valid and binding upon me for the entire period of contract.

Date :
Place :

Signature of Authorized person
(Full Name and Designation)
Seal :

Specifications for Tissue Lyser

1. The system should offer processing of a wide variety of samples, including animal and plant tissues, hard tissues like bones & Teeth, which can be used to disrupt samples to release high-quality DNA, RNA and protein.
2. Mention should have dimensions such that it can be accommodated on table top in laboratory.
3. Should offer fast simultaneous disruption of up to 48 or 192 samples in 2-4 minutes through high-speed shaking with tungsten heads which heat and grind samples.
4. The system should be upgradable to accommodate more than 185 samples.
5. The sample adapter should have provision to fully detachable and able to dip into liquid nitrogen.
6. Should have provision of effective disruption and homogenization using liquid nitrogen and in frozen condition.
7. Reproducible results with difficult-to-lyse tissues such as rice leaves, paddy husk, barks, seeds, bones, Nail, teeth etc.
8. Should have provision for complete isolation & sealing of samples while processing so that there is no chance of cross contamination.
9. System should also perform horizontal mode of lysis in sealed condition to avoid leakage of samples. This is required because in circular vibration, sometimes, grinding and homogenization are not so efficient.
10. System should have the Digital settings and control of disruption time (10 seconds-99 minutes) and vibration frequency (3-50 Hz) must be present on the unit. The system should allow the user to store at least 6 or more programmed cycles.
11. Should have different adapters for 48/192 samples.
12. Storage - 99 programs onboard, maximum speed 50 oscillation per sec.
13. The system should be able to process two batches simultaneously in two separate grinding stations equipped in one unit.
14. The system should have Minimum 100 installation across India.
15. The machine & all its adapters should be manufactured from the same vendor and should have validated document for the same.
16. The homogenization protocol should be aligned with downstream DNA, RNA and protein extraction protocol. The standard DNA & RNA protocol from Plant tissues, human & animal samples should be documented in the user manual.
17. Power rating and noise level should be in permissible limits.
18. The Vendor should have a good service and application support back up to provide an effective application related troubleshooting and support.
19. The system must be compliant with international safety and quality standards (ISO and CE certified).
20. Authorization certificate from the OEM must be included in the technical bid.
21. The manufacturer should attach a list of the same equipment installed at different places in the last 3 years (attach documentary proof).

22. The principal should arrange for the demo of their quoted machine after opening of technical bid.
23. Should provide original user manual as a hard and soft copy.
24. Should quote following essential accessories with main quotation:
 - a) Beads dispenser for 5 mm and 7 mm beads
 - b) Grinding Jar Set, Stainless steel (2 x 10 ml)
 - c) Tissue Lyser Adapter Set (2 x 24) (Microcentrifuge tubes/vials)
 - d) Tissue Lyser Adapter Set (2 x 96) (Microcentrifuge tubes/vials)
 - e) Stainless Steel Beads 5 mm
 - f) Stainless Steel Beads, 7mm



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Financial Bid

FINANCIAL BID MUST BE QUOTED IN GeM Portal in the BOQ ONLY ONLINE MODE.

ANY OFFLINE DOCUMENTS (TECHNICAL/FINANCIAL) WILL NOT BE ACCEPTED.



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Annexure-1

UNDERTAKING

I/We have read and understood with Terms and Conditions contained in the bidding document and understand of the equipment. I/We do hereby declare that all the details provided in this bid form are true to the best of my/our knowledge and belief and any mis-representation of facts will render me/us liable to any action as may be deemed fit by INDIAN AGRICULTURAL RESEARCH INSTITUTE.

I/We declared that Supply, Installation and commissioning of the product "Tissue Lyser" will be done within stipulated time mentioned in the Technical Bid after obtaining the order/contract by the ICAR-IARI, New Delhi only through GeM.

Date :
Place :

Signature of Authorized person/firm
(Full Name and Designation)
Seal :