

**DIRECTORATE OF RESEARCH
DR. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY
PUSA (SAMASTIPUR)-848 125, BIHAR**

NOTICE INVITING TENDER

For supply and installation of [A] CO₂ incubator [B] Planer incubator [C] Laminar air flow [D] Embryo freezer [E] Stereo zoom Trinocular microscope [F] Refrigerated centrifuge and [G] Liquid Nitrogen containers at RPCAU, Pusa.

Sealed tenders/quotations are invited in two bid systems – (1) Technical Bid and (2) Financial Bid from manufacturers/ suppliers/ or their authorized dealers with sufficient work experience. The details can be downloaded from our website www.rpcau.ac.in The tenders/quotations should reach to the **Controlling Officer, Rashtriya Gokul Mission and Director Research, Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar-848 125** on or before **25.02.2021** through registered post/ speed post only. If the last date is a holiday, next working day will be the last date.

Director Research

Memo No...1060...../DoR/ RPCAU, Pusa

dated 03-02-2021

Copy forwarded to Officer In-Charge, Publication division, RPCAU, Pusa with a request to publish the above tenders/ quotation notice (size 8×8 cm approx) once in Patna and Delhi Edition of Hindustan Times, English Daily at the earliest on DAVP rates. The bill in duplicate along with the tear sheet of the advertisement may kindly be sent to the undersigned for payment.

Director Research

M. Kesava
3/2/2021

CC : O/I, ARIS Cell, RPCAU, Pusa (along with the soft copy and hard copy) with a request to place the quotation notice and bidding documents on the University website .

Notice Inviting Tender Document

for

supply and installation of [A] CO₂ incubator [B] Planer incubator [C] Laminar air flow [D] Embryo freezer [E] Stereo zoom Trinocular microscope [F] Refrigerated centrifuge and [G] Liquid Nitrogen containers at RPCAU, Pusa.

Scope of work:

"The NIT is in three part viz. Terms & Conditions, Technical Bid and Financial Bid. Please go through this document and ensure compliance. The non-compliance of any one condition may make your offer invalid".

A. Terms and Conditions

1. Sealed tenders are invited by the Controlling Officer, Rashtriya Gokul Mission Project and Director Research, RPCAU, Pusa (Samastipur), Bihar for the supply and installation of 1. CO₂ incubator, 2. Planer incubator, 3. Laminar air flow, 4. Embryo freezer, 5. Stereo zoom Trinocular microscope, 6. Refrigerated centrifuge and 7. Liquid nitrogen containers at RPCAU, Pusa
2. The tender will be filled in **two bid system i.e. 'Technical Bid' & 'Financial Bid'**. These bids should be kept in separate sealed envelopes super scribing "Technical Bid" for the supply and installation of equipments for ET/IVF Laboratory under RGM project, "Financial Bid" for the supply and installation of equipments for ET/IVF Laboratory under RGM project, separately. Both envelops will then be put into one envelop and will be sealed by super scribing "Tender for the supply and installation of equipments for ET/IVF Laboratory under RGM project. NIT No. ...10.60..... dated 03/02/2021"
3. The technical bid must contain specifications and catalogue, having clear photograph of the equipments.
4. Rates quoted should be F.O.R. RPCAU, Pusa, Samastipur, Bihar, inclusive of all taxes and charges. The rates must include packaging, forwarding, transit, installation, and insurance charges. The same should be insured against pilferage, theft, loss or breakage during transit by the supplier before dispatch is made. The responsibility in this respect will be of the **supplying firm** and not of the **University**.
5. Supply of the equipments/goods is acceptable on bill basis only.
6. Payment shall be made within 30 days from the date of receipt of equipments in proper and satisfactory working conditions i.e. after successful **installation** and **demonstration**.
7. The payment will be made through RTGS/ NEFT. The firm must mention their account details i.e. name of account holder, account number, name of the bank with address, branch code, IFS Code etc.
8. Tender documents must be submitted consisting of NIT/ Tender form/ documents (technical and financial, terms and conditions of supply, special conditions, if any. Schedule of quantities filled, completed and signed by tenderer).
9. Authorized dealers/ distributor/ retailer must submit authorization certificate from manufacturer to sale a particular item.
10. Manufacturers will submit manufacturing license if they are participating in tender process.


Rmg
3/2/21 (Dr. R.H. Ashan)
CC-PL, RUM)
03/2/2021 (Dr. Pramod Kumar)
(Dr. R.H. Ashan)

11. Tender should be addressed to the Controlling Officer, Rashtriya Gokul Mission and Director Research, RPCAU, Pusa, Samastipur, Bihar – 848125.
12. The Earnest Money Deposit (EMD) for equipments in the form of D.D. from Nationalized Bank should be as follows against respective equipments, drawn in favour of Controlling Officer, Rashtriya Gokul Mission and Director Research, **RPCAU, Pusa** payable at **Punjab National Bank, RPCAU, Pusa**. Tender can be given for one or more or all equipments. Any tender without proper EMD shall not be considered and will be rejected solely on this ground.

| S.N. | Equipment | EMD (Rs.) |
|------|-----------------------------------|-----------|
| 1 | CO ₂ incubator | 50,000 |
| 2 | Planer incubator | 25,000 |
| 3 | Laminar air flow | 5,000 |
| 4 | Embryo freezer | 20,000 |
| 5 | Stereo zoom Trinocular microscope | 50,000 |
| 6 | Refrigerated centrifuge | 10,000 |
| 7 | Liquid nitrogen containers | 10,000 |

13. The tender so submitted shall be governed by the GFR 2005. In terms of GFR 2005, tenderers may face legal action, if they amend tender, impair or derogates from the tender in any respect within the period of validity of this tender.
14. The supplier will have to attach a certificate to the effect that the equipments to be supplied will be of the same specification conforming to standards of the items specified.
15. The taxes which are not quoted in tender by the supplier will not be paid by the University under any circumstances.
16. The terms and conditions given by the supplier will not be binding upon the University. Rejection of conditional tenders shall be the sole discretion of the competent authority of the University.
17. The date/ period of delivery of equipment must be clearly mentioned in the technical bid/ financial bid document as applicable.
18. In cases of any dispute arising out in process of tender finalization, the matter shall be referred to the sole arbitrator who in such case will be the Vice Chancellor of RPCAU, Pusa and whose verdict shall be final and binding on both the parties.
19. The tenderer may be called for technical discussion by the tender committee duly constituted or nominated by the competent authority of this University.
20. The acceptance of tender will rest with the University who does not bind itself to accept the lowest tender and reserves itself as the authority to reject or partially accept, any or all the tenders received without assigning any reason.
21. The University reserves the right to place order for the scheduled quantity and or part thereof.
22. Tenders are likely to be rejected in case it does not confirm to the specifications, terms and conditions etc. as laid down in tender document.
23. The validity of the commercial offer should be minimum 120 (one hundred twenty) days from the last date of the NIT submission.

Recd
3/2/21



24. The University will not be responsible for any postal delay.
25. The tender must reach to the office of the Controlling Officer, Rashtriya Gokul Mission and Director Research, RPCAU, Pusa, Samastipur, Bihar – 848125 on or before **dated 25.02.2021** through **registered post/ speed post** only. If the last date is a holiday, next working day will be the last date for receiving tenders.

B. Technical Bid

Please furnish the following information in this part so as to enable the panel of experts to decide about the qualifications of tender and the technical bid as well as necessary documents/ certificates from the appropriate authority as attached in support of statement.

| | | |
|-----|---|--|
| 1. | Application/ forwarding letter for the equipment to be supplied with brand name. | |
| 2. | Name of the applicant/ supplier | |
| 3. | Address | |
| 4. | Earnest Money Deposit (EMD) item wise with full details of Demand Draft | |
| 5. | Status of the Applicant/ supplier (Whether Manufactures/ distributors/ authorized dealers of Reputed firms) certificate must be submitted from appropriate authority) | |
| 6. | Manufacturing license No. with Date, if any | |
| 7. | GST Registration No. | |
| 8. | PAN No. | |
| 9. | ISO/ ISI Certificates, if any | |
| 10. | Indicate if you are on DGS&D Rate Contract or any other rate contract with Government Sector | |
| 11. | Annual Turn Over records, for the last three years | |
| 12. | Details of clients (attach list of users) | |

Raj

| | | |
|-----|--|--|
| 13. | Indicate after sales service facilities offered in Bihar (Service station, technical personnel etc.) | |
| 14. | Rate validity period of tender | |
| 15. | Technical specifications of equipments (attach catalogue) | |


C. Financial Bid

| | | |
|----|---|--|
| 1. | Forwarding letter in respect of equipments to be supplied | |
| 2. | Name of the tenderer / supplier | |
| 3. | Address | |
| 4. | Status of the applicant (manufacturer/ supplier/ dealer etc.) | |
| 5. | Mode of supply Direct/ through dealer/ distributor, if applicable | |
| 6. | Basic price of equipments (INR) | |
| 7. | Applicable taxes with name and rate | |
| 8. | Discount offer to institution, if any | |
| 9. | Price inclusive of all taxes on F.O.R. Destination in INR with installation and other charges, if any, both in figure and words | |



CHECK LIST

1. Earnest money deposit (EMD), item-wise
2. Covering letter
3. TIN/TAN
4. GST
5. ISO/ISI certificate
6. Catalogue
7. Annual Financial Statement
8. Service Network in Bihar
9. Authorization/ Manufacturer license
10. Test report (as applicable)


Controlling Officer, Rashtriya Gokul
Mission Project, and Director Research
RPCAU, Pusa (Samastipur)

CERTIFICATE OF PROPRIETARY

TO WHOM IT MAY CONCERN

Certified that the (Name of item) is the sole proprietary item which is manufactured only by us in *India/abroad and the items/ product is not manufactured in *India/abroad by any other manufacturer under other brand name.

Dated

Signature

Designation

Seal of the firm

*Strike out if not applicable




Technical Specifications

1. CO₂ Incubator

1. Working volume: 150-160 L
2. Control panel: LCD touch Screen
3. Temperature Control: CO₂ and Oxygen
4. IR- CO₂ sensor
5. Microprocessor control and air jacket system
6. Provision for SS water pan and field reversible inner door
7. Temperature range ambient +5 to 55⁰C
8. Temperature accuracy: $\pm 0.1^{\circ}\text{C}$
9. RH-5-90%
10. CO₂ Range: 0.1 to 20 %, default set point 5%
11. O₂ Range 0.1 to 20 %
12. RH recovery 95% $\pm 3\%$ within 20-30 minutes of door opening
13. Filtration system: Closed loop HEPA filter
14. Selves: 4 or more
15. For download USB port
16. Suitable stabilizer
17. Two stage regulator, CO₂ and N₂ cylinders, optimal automatic switching from one CO₂ cylinder to another
18. Power requirement: 220-230 V, 50 Hz
19. Dual sterilization cycles:
 - a. For dry cycle 140-145⁰C
 - b. For wet cycle 95⁰C

2. Planer Incubator

1. Dimension (WDH): 430mm X 330mm X 185 mm (Approx)
2. Weight: 15-20 kg
3. Storage temperature: -10⁰C to 50⁰C
4. Storage humidity: 5-95%
5. Capacity: dishes per chamber 4X 4 well petri dishes
 10 X 30mm petri dishes
6. Battery backup: 2 hours (minimum)
7. Temperature control: + 5⁰C to 40⁰C
8. Temperature measurement accuracy: $\pm 0.2^{\circ}\text{C}$
9. Temperature control accuracy: $\pm 0.1^{\circ}\text{C}$
10. Flow control range: 0ml / minute to 850 ml / minute normalize to 0⁰C, 50% RH
11. Flow accuracy: $\pm 10\%$ or $\pm 3\text{ml}/\text{minute}$
12. Gas supply: Premixed gas (6 % CO₂, 5 % O₂ and 89 % NO₂)
13. Supply pressure: 1.5 ± 0.15 bar
14. Monitoring with LAN, independent temperature monitoring
15. Power requirement: 100-220 V, 60Hz, 2A



3. Laminar Air flow

1. Size: 5 feet
2. Vertical Laminar flow
3. Use interface: Touch screen
4. Pneumatic front panel open/close
5. Enhanced performance, safety and operator comfort
6. Low vibration and noise
7. Filter type: front loading HEPA filter 0.3 micron
8. Hinged front panel with self support brackets
9. About 10° angled safety glass
10. Height adjustable stand
11. Armrest with base stand
12. Side wall made up of glass
13. Optical UV Lamp and LED lamp

4. Embryo freezer

1. Temperature Control: +50°C to -196°C
2. Thermometry system: platinum RTD 4 wire
3. Temperature warming: ±1.0°C to ±3.0°C
4. User interface: 5-6" colour LCD touch screen
5. Timing: digital, quartz crystal
6. Minimum ramp rate: 0.1°C/Minute
7. Temperature resolution: 0.1°C
8. Sampling rate: 10 per second
9. LN₂ consumption: about 1 litre per hour
10. Detention: WxDxH: 8"12"7"
11. Power supply: 100-260V, 40-65 Hz, 60W

5. Stereo zoom Trinocular microscope

1. LED (with C-Mount tube for camera attachment) 45 degree inclined
2. Zoom Ratio 1:7 or 1:8
3. Objective Zoom Range 0.65 - 4.5x (Magnification Range: 6.5x - 45x with 10x eyepiece)
4. Paired Wide field Eyepieces SWF10x/22mm
5. working distance 100mm minimum
6. With in-built Light Stand (Incident: 6V15W Lamp / Transmitted: 5W Fluorescence Lamp) Standard set complete in Thermocol packing.

Features: It should have a large visual field & high dioptr. It can be used extensively for hygienic applications, Inspection of ovum and embryo Grid Type Ocular Micrometer CCTV Camera along with USB connectivity. Microscope base should be wide and inbuilt heating stage should be of 20 cm (approx.) diameter.

RMB

6. Table top Refrigerated centrifuge

1. Power supply: 210-240 V
2. Having microprocessor control with digital display
3. CFC free Refrigeration system,
4. Temperature range: -10°C to $+40^{\circ}\text{C}$
5. Maximum speed ≥ 15000 rpm
6. Capacity: 1.5 litres
7. Secure locking system and bio-shield system
8. High speed swinging bucket rotor (4X180ml) with maximum speed ≥ 45000 rpm for bio-shield work with adaptor 100 ml (4X100ml) round bottom tube, adaptor 50ml (8X50ml) conical bottom tube, adaptor 15 ml (24X15ml) conical tubes and adaptor for 2ml (160X2ml) tubes.
9. One fixed angle rotor (carbon fibre) for 2ml MCTs (48X2ml) with maximum speed ≥ 15000 rpm and other related accessories.

7. Liquid Nitrogen Containers

1. Capacity: 5 litres, 25 litres, 35 litres and 50 litres (four numbers)
2. For use in storage of liquid semen straw and embryo
3. Tank material: Aluminium
4. Hardness: 50-60 HRC
5. Temperature: up to -196°C
6. Container type: Open top container

