



ରମାଦେବୀ ମହିଳା ବିଶ୍ୱବିଦ୍ୟାଳୟ, ଭୁବନେଶ୍ୱର  
Rama Devi Women's University, Vidya Vihar, Bhubaneswar  
Odisha-751022, Ph.no-0674-2542644, E-mail-registrar@rdwu.ac.in  
Website- www.rdwuniversity.nic.in

No. 3416

Dt. 8.7.22

**TENDER NOTICE FOR SUPPLY OF LABORATORY EQUIPMENTS**

Rama Devi Women's University, Bhubaneswar invites sealed tenders from the manufacturers/authorised distributors or dealers/suppliers/firms with TIN/PAN/GSTIN/IT clearance for supply of equipments (as per Annexures) under "two bid system" for the CURIE grant project (DST/CURIE/01/2019) to the Dept. of Science and Technology, Gov. of India. Tender papers with specification of the items under the project can be obtained from Rama Devi Women's University website [www.rdwuniversity.nic.in](http://www.rdwuniversity.nic.in). The tender should reach to the Registrar, Rama Devi Women's University, Vidya Vihar, Bhoi Nagar, Bhubaneswar-751022 by 22.07.22 through speed post/registered post/by hand. The authority reserves the right to accept/cancel any tender(s) without any reason thereof.

*Shapabna*  
REGISTRAR 08/7/2022

Memo No. CPGC 3417 dt. 8.7.22  
Copy to CPGC/Coordinator, CURIE project/OIC, Website-  
[www.rdwuniversity.nic.in](http://www.rdwuniversity.nic.in)/OIC, Purchase/ COF for information and necessary action.

*Shapabna*  
REGISTRAR 08/7/2022

Memo No. CPGC 3418 dt. 8.7.22  
Copy to P.S to V.C for kind information of the honourable Vice Chancellor.

*Shapabna*  
REGISTRAR 08/7/2022

## TERMS & CONDITIONS

1. Scaled quotations/tender filled in every respect must reach **The Registrar, Rama Devi Women's University, Vidya Vihar, Bhoi Nagar, Bhubaneswar-751022** with copies of all relevant documents on or before 22.07.2022, 5 PM by speed post/registered post/courier or by hand. Any clarification regarding tender before submission of tender document can be discussed with Dr. Raj Kumar Joshi, Associate Professor & Head, Dept. of Biotechnology & Convener-CURIE Project, Rama Devi Women's University. Ph: 9437684176.
2. The prescribed tender documents should be submitted in one sealed envelope duly super scribed with "Supply of equipment for the CURIE grant project". This sealed envelope should contain 3 sealed envelopes marked A, B, & C as prescribed as under:
  - a. Envelope A containing the tender fee (Rs. 500/-) (non-refundable) in the form of Demand Draft in favour of **COMPTROLLER OF FINANCE, RAMA DEVI WOMEN'S UNIVERSITY** payable at Bhubaneswar.
  - b. Envelop B containing the Technical Bid along with the supporting documents.
  - c. Envelop C containing the Financial Bid.
3. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.
4. Bids will be opened in the presence of Bidders' authorized representatives who choose to attend on the specified date and time. The Bid shall be treated under two Bid System. Financial Bid shall be opened only for those bidders who have qualified in the Technical Evaluation.
5. The duly constituted committee appointed by the competent authority of Rama Devi Women's University, Bhubaneswar, reserves the right to select certain items (in single or multiple units) and reject the others or all mentioned in the Schedule. The same committee will also reserve the right to revise or alter the specifications before acceptance of any tender with prior notice on the University website.
6. Technical bid should contain brochure with detail technical specification of the items, information regarding the company/firm registration details, PAN/TAN/GSTIN, Authorization letter from manufacturer (in case of dealer/s for the said item), income tax and GST/sales tax clearance certificates, Self-attested photocopy of annual turnover, audited balance sheet, experience and other details of the firm to judge the suitability of the bidder.



7. A document listing similar installation and maintenance certificates from the competent authority of the concerned organizations should be enclosed with the technical bid.
8. The financial bid should contain details of items including the quoted price along with all taxes and charges if any.
9. The total cost of the item should be clearly mentioned and should not be left to us for calculation. The total cost should be calculated as per the following example:

Item No.	Item Name	Qty	Unit Price	Total Price	Taxes and duties (if any) with rate & details	Delivery charges Other charges (if any)	Final Price F.O.R.at Rama Devi Women's University, All inclusive
1							

10. After sales service along with technical assistance and warranty period and annual maintenance charges for the supplied items (Equipment) after the expiry of the warranty period must be mentioned clearly.
11. The supplier must ensure the delivery, installation and commissioning of the items (equipment) within 20 days from the date of release of purchase order. Since it is a govt. organization, no advance payment is possible.
12. The University reserves the right to reject any or all the bills without notice or without assigning any reason

*Shaparna*  
REGISTRAR  
08/7/2022

RAMA DEVI WOMEN'S UNIVERSITY  
Vidya Vihar, Bhubaneswar, Odisha

ରମାଦେବୀ ମହିଳା ବିଶ୍ୱବିଦ୍ୟାଳୟ, ଭୁବନେଶ୍ୱର  
Rama Devi Women's University, Bhubaneswar  
(To Be Filled By the Vendor/ Bidder)

1. Nature of the item :
2. Name of the Vendor:
3. Full Address of the Vendor:
4. Telephone/ Mobile No.
5. Fax. No. (If any)
6. Registration No. of Firm
7. PAN
8. VAT/CCT Registration No.
9. Details of the D.D.
  - a) for **Tender Fee (Non-refundable)**: D.D. No. \_\_\_\_\_ dated \_\_\_\_\_  
drawn from the bank \_\_\_\_\_

Seal and Signature of the bidder/Vendor

## TECHNICAL SPECIFICATIONS SECTION

The technical specifications for all the instruments are being placed under this tender have been detailed in the following Annexure (one annexure for each Instrument / Equipment; this will also include all the components of a particular instrument / equipment that are being bid for).

### List of Instruments/Equipments/consumables/sequencing services:

Sl no.	Equipment/Consumables	Annexure	Quantity
1	Programmable Plant Growth Chamber	Annexure I	1
2	Biosafety Cabinet	Annexure II	1
3	UV-Visible Spectrophotometer	Annexure III	1
4	Refrigerated Centrifuge	Annexure IV	1
5	Shaker Incubator	Annexure V	1

#### 1. Annexure - I

**ITEM: PROGRAMMABLE PLANT GROWTH CHAMBER (MAKE: Labtop/Labtech or similar)**

##### Detailed specification

- Dimension (Outer): Approx. 800x900x1900 (WxDxH mm) suitable to fit in Lab space.
- Capacity: 430 Ltrs or more.
- Adjustable Shelves: 3 Nos or more.
- Controller: 10 Step Programmable Microprocessor PID Controller with Alarm System.
- Display: LCD Back Light; Present Value & Set Value Display for Temperature, Humidity & LUX.
- Temperature: +0 0C to 60 0C with accuracy of  $\pm 0.1$  0C or better  
Humidity: Range 30% to 98% RH with accuracy  $\pm 1\%$  or better
- Heater: 3kW or better.
- Compressor: 3/4 HP or better.
- CO<sub>2</sub> Sensor; Digital Process NDIR Sensor  
CO<sub>2</sub> Range: 0 to 20%.
- Safety: High & Low temperature protector, over current & Leakage breaker.
- Illumination Range: Fluorescent/LED Lamp which can provide 0 to 25,000 Lux and extendable upto 35,000Lux.
- Illumination Sensor: Photo Sensor with Flexible Cable.
- Timer: Lamp on delay system for Protects insect from stress by preventing sudden change of light strength.
- Material: Stainless Steel (304).
- Door: Tempered Safety Glass Inner Door and Magnetic packing outer door & 2 side door with light bank.
- Included: CO<sub>2</sub> cylinder to be included with the order.
- Included: 5 KVA servo voltage stabilizer



2. **Annexure - II**

**ITEM: BIOSAFETY CABINET (Optics Technology/ThermoFischer/Labtop or similar)**

**Detailed specification**

- Working Area Size: 4' x 2' x 2'.
- M.S. Duly Powder Coated Body.
- With Perforated Working table of S. S. 304.
- HEPA of 0.3u of an efficiency of 99.97% down to .3u media is of glass fiber & made of pleates back & frow made of aluminium foil & packed in a anodized aluminium frame.
- Pre filter of dry fiber washable type with the frame.
- Air Flow: 70% Recirculation & 30% Exhaust. Confirm the international standards 209 E.
- Statically balanced motor blower Assembly (Heavy Duty).
- Velocity at the output of HEPA is 90 + 20 FPM.
- Noise level is very low.
- Static pressure Manometer.
- Transparent Front Door.
- Vibration is also very low.
- Normal working fluorescent Light.
- U. V. Light 1 x 30 watts.
- Front & Side Door of U.V. Resistant Poly.
- Carbonate Sheet (Transparent).
- Gas cock.
- Virus Burnout System.
- Hepa Filter in Exhaust.

3. **Annexure - III**

**ITEM: UV-VISIBLE SPECTROPHOTOMETER (ThermoFischer or similar)**

**Detailed specification**

- Optical Design: Double beam optical system with sample and reference detectors
- Spectral Bandwidths: Fixed: 1.0 nm
- Light Source: Xenon, 3-year lifetime guaranteed (7 years typical lifetime)
- Detector: Dual silicon photodiodes
- Resolution (Toluene/Hexane): Peak/Trough > 1.6 (1.0 nm SBW)
- Scan Ordinate Modes: Absorbance, % Transmittance, % Reflectance, Kubelka-Munk, Log (1/R), Log (Abs), Abs\*Factor, Intensity (Sample Beam)
- Minimum Data Resolution (wavelength scanning): 0.1 nm
- Wavelength range: 190-1100 nm
- Wavelength accuracy: ± 0.80 nm for 190 to 900 nm; ± 0.50 nm (546.11 nm mercury emission line)
- Wavelength repeatability: < 0.1 nm (standard deviation of 10 measurements)
- Scan Speed: <1 to 6000 nm/min
- Slow Speed: 31,000 nm/min
- Data Intervals: 10, 5, 2, 1, 0.5, 0.2, and 0.1 nm
- Photometric range: >3.5 A
- Display Range: -0.3 to 4.0 A
- Accuracy: Instrument: 1 A: ± 0.006; A 2 A: ± 0.010 A; Measured at 440 nm using neutral density filters traceable to NIST/NPL

- Accuracy: Sealed Standard Solutions:  $\pm 0.010$  A (60 mg/L  $K_2Cr_2O_4$ )
- Noise: 0 A:  $< 0.00015$  A; 1 A:  $< 0.00050$  A; 2 A:  $< 0.00080$  A; Measured at 260 nm, 1.0 nm SBW, RMS
- Repeatability: 1 A:  $\pm 0.0025$  A
- Stability (Drift):  $< 0.0005$  A/hr; Measured at 500 nm, 1 nm SBW, 1 hour warm-up
- Stray Light: 198 nm: KCl:  $\leq 1$  %T; 220 nm: NaI:  $\leq 0.05$  %T; 340 nm:  $NaNO_2$ :  $\leq 0.05$  %T
- Baseline flatness:  $+ 0.0010$  A; Measured at 200-800 nm, 1.0 nm SBW, smoothing
- Data Acquisition: Must have a single cell data collection of up to 100 data points/second.
- Software: Must have standard instrument control software including: wavelength scanning, single and multiple fixed wavelengths, wavelength ratios, quantitative analysis and kinetics; Must have standard software for running customized method scripts.
- Should include 2KVA on Line with True Sinusoidal output Wave UPS with minimum 20 minutes back-up
- Should include desktop computer: RAM 8 GB or higher, Hard Disk 500 GB or higher, SSD, Color Monitor, Key Board, at least 2 USB Port Free, one serial Port, Mouse etc. OS: Windows 10 professional 64 bit Window i5.

#### 4. Annexure - IV

##### ITEM: REFRIGERATED CENTRIFUGE (Eppendorf/ThermoFischer or similar)

##### Detailed specification

- Rotor Capacity : 4x250ml
- Maximum Rotational Speed of Rotor A-4-44: 5,000 rpm
- Maximum Centrifugal Force of Rotor A-4-44: 4,500 x g
- Maximum Rotational Speed of Centrifuge 5804R: 14,000 min<sup>-1</sup>
- Maximum Centrifugal Force of Centrifuge 5804R: 20,913 x g
- Max capacity: Swing out rotor 4 x 250ml
- Fixed angle: 6 x 85ml
- Temperature Range: -9 °C to +40 °C
- Sample temperature:  $< 4$  °C at maximum speed
- Speed RCF or radius correction values may be entered
- Ergonomically ideal access height for easy exchange of adapters and rotors
- Simple programming with 35 programs memory with write protection
- Very low noise level
- Automatic rotor recognition with speed limitation for maximum safety
- Automatic Imbalance detection and cut - off
- Adapters for 15 mL and 50 mL conical Falcon tubes
- Fulfills the requirements of IEC 1010-2-020 safety standard
- Motorized lid latch
- FastTemp function for fast pre-cooling
- Standby cooling maintains temperature when centrifuge is not in use
- ECO shut-off for reduced energy consumption and extended compressor life
- Built in condensate drain to eliminate water accumulation and prevent corrosion
- Display shows Speed, RCF, Time and temperature
- Acceleration and Braking Ramps for sensitive sample material
- Optional RS-232 C Interface for connection capabilities
- Maximum Power Requirement: 1650 W
- Dimensions (W x D x H): 64 x 55 x 34 cm



- High Performance, Flexibility and Efficiency in research, Clinical and Industrial laboratories.
- Included: Fixed-angle rotor F-34-6-38, 6x85ml incl. lid
- Max. Rotational speed: 12,000 rpm
- Max. RCF: 18,500 x g
- Rotor, lid and adapters are autoclavable (20 min, 121 °C)
- Included: Adapter for fixed-angle-rotor 6x85ml, for use with 1no 50ml Falcon tube, 2 pcs
- Included: Adapter for fixed-angle-rotor 6x85ml, for use with 1no 15ml Falcon tube, 2 pcs
- Included: Fixed-angle rotor F45-30-11 30 x 1.5/2 ml, incl. aluminium lid
- Included: Adapter for 0,2 mL PCR tubes, set of 6
- Included: 3 KVA Servo Voltage Stabilizer.

##### 5. Annexure - V

##### **ITEM: SHAKER INCUBATOR (HiPoint/NBS/ThermoFischer or similar)**

##### **Detailed specification**

- Temperature range: RT+5°C ~ +60°C
- Temperature accuracy:  $\pm 0,5^{\circ}\text{C}$  at +37°C
- Temperature control precision: 0.1°C
- Touchscreen Control Panel: Yes
- Temperature sensor: PT-100 $\Omega$
- Temperature controller: Microprocessor PID
- Touch panel size: 4-5" touch panel
- Language: English operation mode
- Record: Alarm, High and Low temperature value (8000 points) record
- Settings: Easy set of temperature Set Value (SV) Set time for Power ON and Power OFF function
- Display: Display set and process value at the same time
- Programming: Real time non ramping programming cycle 0-24h 6 groups with temperature and time setting;
- Data export: USB data export
- Remote control system: Access to HMI by LAN
- Environment control system: Yes
- Forced Air Circulation: back to front (Side to Side in option)
- Heater: 800W (SUS#304)
- Internal dimensions: W600 x D500 x H600mm  $\pm$  30mm
- External dimensions: W700 x D750 x H1000mm  $\pm$  30mm
- Door Window: W150 x H300mm
- Volume: 180 l.
- Inner material: SUS#304
- Exterior material: SUS White paint coating
- Shaking speed: 50-200rpm (double layer option)
- Amplitude: 25mm



**RAMA DEVI WOMEN'S UNIVERSITY**

**TENDER FORM  
(Techno Commercial un-priced Bid)**

Tender No.....

To

The \_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

1. I/We hereby offer to supply the items as listed in the schedule to this tender hereto/portion thereof as you may specify in the acceptance of Tender at the price given in the said Schedule and agree to hold this offer open for a period of 180 days from the date of opening of the tender. I/we shall be bound by a communication of acceptance issued by you.
2. I/We have understood the Instruction to bidders and Conditions of Contract in the form as enclosed with the invitation to the tender and have thoroughly examined the specifications quoted in the Schedule hereto and am/are fully aware of the nature of the goods required and my/our offer is to supply the goods strictly in accordance with the specifications and requirements.
3. A crossed Bank Draft in favour of the Comptroller of Finance, Rama Devi Women's University, Bhubaneswar for Rs..... (Rupees.....only) as Tender Fee is enclosed. The Draft is drawn on .....Bank payable at Bhubaneswar.
4. The following have been added to form part of this tender.
  - a) Schedule of requirements, quoting the make only duly signed and stamped (without indicating price)
  - b) Copy of registration certificate of the firm.
  - c) Copy of PAN/TAN/GSTIN.
  - d) Copy of last audited balance sheet.
  - e) Authorization letter from the manufacturer (if the items are quoted by a vendor).
  - f) Any other enclosure. (Please give details)

5 We undertake to execute all orders which have been placed to meet emergent requirements on priority basis.

6. Certified that the bidder is:

a) A sole proprietorship firm and the person signing the bid document is the sole proprietor/constituted attorney of the sole proprietor,

**OR**

b) A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/by virtue of general power of attorney.

**OR**

c) A company and the person signing the document is the constituted attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariable be duly attested by the person authorized to sign the bid document).

7. We do hereby undertake that, until a formal notification of award, this bid, together with your written acceptance thereof shall constitute a binding contract between us.

Yours faithfully,

(Signature of bidder)

Dated this day of \_\_\_\_\_

Address...

.....

.....

Telephone: \_\_\_\_\_

FAX \_\_\_\_\_

E-mail \_\_\_\_\_

Company seal



**RAMA DEVI WOMEN'S UNIVERSITY**

**TENDER FORM  
(Priced Bid)**

To \_\_\_\_\_  
The \_\_\_\_\_

Ref: Tender No ..... Dated-----

Sir,

Having examined the bidding documents and having submitted the techno commercial un priced bid for the same, we, the undersigned, hereby submit the priced bid for supply of goods and services as per the schedule of requirements and in conformity with the said bidding documents.

- We hereby offer to supply the Goods/Services at the prices and rates mentioned in the enclosed schedule of price.
- We do hereby undertake that, in the event of acceptance of our bid, the supply of Goods/Services shall be made as stipulated in the schedule of requirement and that we shall perform all the incidental services.
- The prices quoted are inclusive of all charges net F.O.R University.
- We agree to abide by our offer for a period of 180 days from the date fixed for opening of the bid documents and that we shall remain bound by a communication of acceptance within that time.
- We have carefully read and understood the terms and conditions of the bid document and we do hereby undertake to supply as per these terms and conditions. The Financial Deviations are only those mentioned in the statement of deviations from financial terms and conditions.

- Certified that the bidder is:

A sole proprietorship firm and the person signing the bid document is the sole proprietor/constituted attorney of sole proprietor,

**Or**

A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/by virtue of general power of attorney,

**Or**

A company and the person signing the bid document is the constituted attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariably be duly attested by the person authorized to sign the bid document.)

We do hereby undertake that, until a formal notification of award, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.

Dated this day of \_\_\_\_\_

**Signature of Bidder**

Details of enclosures

Full Address:

Fax No.

E-mail:

COMPANY SEAL

Price Schedule "A"

D.D. Details \_\_\_\_\_

Bank Name \_\_\_\_\_

Date \_\_\_\_\_

**EQUIPMENTS**

Item No.	Item Name & Description	Qty	Unit Price	Total Price	Taxes* and duties (if any) with rate & details	Delivery charges Other charges (if any)	Final Price F.O.R.at Rama Devi Women's University. All inclusive
1							

\*Rama Devi University doesn't have DSIR certificate. Tax may be calculated accordingly.

Total No. of Item(s) quoted \_\_\_\_\_

Seal and Signature of the bidder



**DECLARATION REGARDING BLACKLISTING / DEBARRING FOR  
TAKING PART IN TENDER.**

(To be executed & Attested by Public Notary / Executive Magistrate on Rs. 50/- non judicial  
Stamp paper by the bidder)

I / We \_\_\_\_\_ Manufacture / Partner(s)/ Authorized Distributor /agent  
of M/S. \_\_\_\_\_ hereby declare that the  
firm/company namely M/s. \_\_\_\_\_ has  
not been blacklisted or debarred in the past by Union / State Government or organization  
from taking part in Government tenders in India.

Or

I / We \_\_\_\_\_ Manufacture / Partner(s)/ Authorized Distributor / agent  
of M/s. \_\_\_\_\_ hereby  
declare that the Firm / company namely  
M/s. \_\_\_\_\_ was blacklisted or  
debarred by Union / State Government or any Organization from taking part in Government  
tenders for a period of \_\_\_\_\_ years w.e.f. \_\_\_\_\_ to \_\_\_\_\_.  
The period is over on \_\_\_\_\_ and now the firm/company is entitled to take part in  
Government tenders.

In case the above information found false I / we are fully aware that the tender / contract will  
be rejected / cancelled by the Rama Devi Women's University, Bhubaneswar.

In addition to the above, Rama Devi Women's University, Bhubaneswar will not be  
responsible to pay the bills for any completed / partially completed work.

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_  
Attested;

(Public Notary / Executive Magistrate)

### Check list for Terms and Conditions:

To be filled by the bidder and submitted along with the Technical Bid.

Sl no.	Terms and Conditions as per bidding documents	Attached (Yes/No)	Page no.	Remarks
1	Is tender fee attached?			
2	<b>Status of Bidder:</b> <ul style="list-style-type: none"><li>• Manufacturer or Authorized Agent of the Manufacturer</li><li>• Whether Public Undertaking, Public Ltd., Private Ltd. Company or Proprietary Firm. Whether registered under SSI</li></ul>			
3	Statements of annual turnover			
4	Whether rates quoted are inclusive of all taxes or not.			
5	Affidavit to the effect that the bidder is not blacklisted by any Govt. agency or have no pending case either Civil or Criminal against them.			
6	<b>Compliance Statement</b> with relation to the technical specification as mentioned in the bidding document duly supported by the original catalogue.			