

I/3479/2024



ରମାଦେବୀ ମହିଳା ବିଶ୍ୱବିଦ୍ୟାଳୟ, ଭୁବନେଶ୍ୱର

Rama Devi Women's University, Vidya Vihar,
Bhubaneswar, Odisha-751022, Ph.no-0674-2542644,
Email-registrar@rdwu.ac.in, Website- www.rdwu.ac.in

No. 5301Dt. 8.8.24

TENDER NOTICE FOR SUPPLY OF EQUIPMENTS AND SERVICE CONSUMABLES

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 equipment (Qubit 4 Fluorometer with Quant 4 starter kit wifi Box) and service consumables (Whole Genome Sequencing (WGS) and SNP analysis of plant samples) under "two bid system" for the SERB core grant project (CRG/2023/000218) to the Dept. of Biotechnology, Rama Devi Women's University. Tender papers with specification of the items for the project can be obtained from Rama Devi Women's University website www.rdwu.ac.in. The tender papers should reach to the Registrar, Rama Devi Women's University, Vidya Vihar, Bhoi Nagar, Bhubaneswar-751022 by 20.08.2024 through speed post/registered post/by hand. The authority reserves the right to accept/cancel any tender(s) without any reason thereof.

Memo no. 5302 /Dt. 8.8.24

Copy to P.I Dr R.K Joshi, Assoc. Prof. Biotechnology/CPGC/HoD,
Biotechnology/OIC, Website/OIC, Purchase/COF for information and necessary action.

Shapaba
08/08/2024
REGISTRAR

Memo no. 5303 /Dt. 8.8.24

Copy to P.S to V.C for kind information of the Hon'ble Vice Chancellor.

Shapaba
08/08/2024
REGISTRAR

Shapaba
08/08/2024
REGISTRAR

I/3479/2024

TERMS & CONDITIONS

1. Sealed 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 20.08.2024, 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, 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 Equipments/ service consumables for the SERB Core 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.

- 17/3479/2024
7. Notwithstanding the above, the university reserves the right to buy some of the consumable items from a vendor/dealer who would quote for lesser price even without having authorized dealership with due assurance to supply the items as per terms and conditions.
 8. A document listing similar installation and maintenance certificates from the competent authority of the concerned organizations should be enclosed with the technical bid.
 9. The financial bid should contain details of items including the quoted price along with all taxes and charges if any.
 10. 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:

CONSUMABLES

Sl no.	Cat no.	Description	Make	Qty	Unit Price	Discount (%)	Discounted price	GST (%)	GST value	Final Unit price
1										

11. The supplier must ensure the delivery of the items within 30 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

Rohapatra
08/08/2024
REGISTRAR

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

RDWU-33012/3/2024-DEPT OF BIOTECH-RDWU

I/3479/2024

(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	Qubit 4 Fluorometer with Quant 4 starter kit wifi Box	Annexure I	1
2	Whole Genome Sequencing (WGS) and SNP analysis of plant samples	Annexure II	As mentioned in Annexure-II

Annexure – I (EQUIPMENT)**ITEM: QUBIT 4 FLUOROMETER WITH QUANT 4 STARTER KIT WIFI BOX****Detailed specification**

1. **Item type:** Qubit Fluorometer (A proprietary product of ThermoFisher Scientific).
2. **Type:** Qubit 4 quantitation starter kit with WiFi

PHYSICAL CHARACTERISTICS

Instrument type	Benchtop fluorometer
Instrument dimensions (W x L x H)	13.6 x 25 x 5.5 cm 5.4 x 10 x 2.2 in.
Operating power	100-240 VAC, 1.0 A/1.2 A
Frequency	50/60 Hz
Electrical input	12 VDC, 2.5 A
Installation site	Indoor use only
Operating temperature	10-40° C
Operating humidity	20-80% (non-condensing)
User interface	5.7-inch color touchscreen

TECHNICAL SPECIFICATIONS

1/3479/2024

Dynamic range	5 orders of magnitude
Processing time	<5 seconds/sample
Light sources	Blue LED (peak ~470 nm); Red LED (peak ~635 nm)
Excitation filters	Blue LED (430–495 nm); Red LED (600–645 nm)
Emission filters	Green (510–580 nm); Red (665–720 nm)
Detectors	Photodiodes: measurement capability from 300–1,000 nm
Calibration type	2- or 3-point standard
Sample chamber	Accommodates one Qubit Assay Tube
Tube type	Qubit Assay Tube
Warm-up time	<35 seconds
Sample data storage	1,000 samples

HARDWARE

Display	5.7 in. capacitive touchscreen with high-resolution color display
Data ports	USB cable port (type mini-B); USB drive port (type A)
Networking capabilities	Transfer data directly to computer using a USB cable or wirelessly using the supplied Wi-Fi adaptor
Power supply	AC adapter with country-specific power cords
USB drive	4 GB

3. **Sample volume:** 1 to 20 μ L
4. **Application:** sdDNA Quantification, RNA Quantification, Protein Quantification
5. **Should include:** Qubit 4 Fluorometer, 1 international power adapter, USB drive, Qubit Assay Tubes (500 tubes), Qubit dsDNA HS (high sensitivity) Assay Kit (100 assays), Qubit dsDNA BR (broad range) Assay Kit (100 assays), Qubit RNA IQ (integrity and quality) Assay Kit (75 assays), Qubit RNA HS (high sensitivity) Assay Kit (100 assays), Qubit RNA BR (broad range) Assay Kit (100 assays), Qubit Protein BR Assay Kit (100 assays), Qubit 4 System Verification Assay Kit (50 assays), Wi-Fi Dongle, Assay Kit.

I/3479/2024

Annexure – II (SEQUENCING SERVICE)**ITEM: WHOLE GENOME SEQUENCING (WGS) AND SNP ANALYSIS OF PLANT SAMPLES****Detailed specification**

Number of samples:	4 (Leaf samples of plants)
Sequencing type:	WGS & SNP genotyping
Platform:	Illumina NextSeq 500 or HiSeq2500
Software usage:	As required

Service description and Expected deliverables**A. DNA extraction and quality check**

1. DNA quality check shall be done using Qubit Fluorometer, Agarose Gel Electrophoresis & Tape Station analysis.

B. Library preparation:

1. Tagmentation based WGS library preparation shall be done for sequencing on Illumina Platform.

C. Sequencing:

1. Sequencing should be performed on Illumina platform using 150x2 chemistry to generate 5x genome coverage per sample (Genome size-16 Gb).

D. Bioinformatics Analysis and deliverables:

1. Primary Statistics report - QA/QC results.
2. Basic statistics after data filtering and reference assembly including the number of clean reads (Raw reads with low qualities (scores < 30) will be filtered out.
3. Alignment statistics & Coverage analysis
4. Variant analysis - SNP variants shall be identified from each of the four libraries separately using SAMTOOLS and GATK 3.3 including specific position, reference base and altered base, quality of SNP, SNP types (transition/transversion), read depth and sequences having the SNP.
5. Variant annotation
6. Calculation of SNP indices for all samples across individual chromosomes with 1Mb interval and 1kb sliding window. Delta SNP index analysis for identification of the trait specific candidate mapping region. SNP plot to be provided.
7. Euclidean distance value of each SNP calculated for association with trait of interest and plotted against the genetic map of supplied plant genome.
8. Protein sequences retrieved from BLASTX shall be used to find Gene Ontology (GO) terms, and enzyme and pathway details using Blast2GO suite or any other suite.
9. FASTAQ files should be uploaded on the FTP server of NCBI.

I/3479/2024

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 onBank 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)

1/3479/2024

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

I/3479/2024

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 _____

Details of enclosures

Signature of Bidder

Full Address:

Fax No.

COMPANY SEAL

E-mail:

I/3479/2024

Price Schedule "A"

E.M.D. _____

D.D. Details _____

Bank Name _____

Date _____

QUBIT 4 FLUOROMETER WITH QUANT 4 STARTER KIT WIFI BOX

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							

WHOLE GENOME SEQUENCING (WGS) AND SNP ANALYSIS OF PLANT SAMPLES

Sl no.	Description	Qty	Unit Price	Discount (%)	Discounted price	GST (%)	GST value	Final price
1								

Total No. of Item(s) quoted _____

Seal and Signature of the bidder

I/3479/2024

**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	Status of Bidder: <ul style="list-style-type: none"> • Manufacturer or Authorized Agent of the Manufacturer • Whether Public Undertaking, Public Ltd., Private Ltd. Company or Proprietary Firm. Whether registered under SSI 			
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.			