



MAHATMA GANDHI UNIVERSITY
Priyadarshini Hills, Kottayam-686560

Tender No:MGU/RUSA/SBS/Re-Tender-Polyhouse/2024-2025

Dated:31/05/2024

NOTICE INVITING TENDER

Director, School of Biosciences, Mahatma Gandhi University, Kottayam invites sealed tenders in original including all taxes for the supply and installation of scientific equipment from reputed dealers/ firms under the **RUSA Fund for the year 2023-2024.**

1	Name of the Structure	Naturally Ventilated Arch shaped Polyhouse (Detailed specifications given in Annexure-1)
2	Earnest money deposit (EMD)	1% of the estimated value.
3	Tender submission fee	0.2% of the cost of the equipment rounded to the nearest multiple of 100, subject to a maximum of 25,000/- + GST as applicable
4	Period of supply and Installation	Within 90 days from L/C opening date
	Address	Director School of Biosciences Mahatma Gandhi University PD Hills Kottayam
3	Date and time of bid opening	10 June 2024, 2 PM
4	Last date and Time of submission of tender with relevant documents.	11 June 2024, 5 PM

Duly filled up and signed tender schedule along with relevant documents should be sent to **Director, School of Biosciences, Mahatma Gandhi University, Kottayam** by speed post so as to reach before the date and time specified. The cover containing the document should be superscribed the **Name of the structure, tender number and last date of submission** of the tender.

Relevant documents may also be sent to: E-mail: jishams@mgu.ac.in

ELIGIBILITY CRITERIA

1	Bidder should be a company registered in India or Registered Partnership /proprietary firms	Copy of valid registration certificate/Copy of Certificates of incorporation
2	Should not have been blacklisted by any of the Government entities under state / central government.	Self-Certificate
3	The bidder should have a registered number of (i) GST where his business is located ii) Income Tax / PAN number.	Copies of relevant certificates of registration

Further details can be had from the office of **School of Biosciences, Mahatma Gandhi University, Kottayam**, Email: jishams@mgu.ac.in on all working days during working hours.

If relevant documents through speed post are not submitted with in time, the tenders will not be considered. The undersigned reserves the right to reject any or all the tender without assigning any reason whatsoever.



HOD/Director

Prof. (Dr.) Jisha M. S.
Principal Investigator
RUSA MRP, Project No. 0
School of Bio. sciences
Mahatma Gandhi University

N.B - Please see the Annexures

ANNEXURE-1

Technical Specification of the Structure

Sl. No.	Items	Description/Specification
1	Product	Naturally Ventilated Arch Shaped Poly house (with single ventilation alongside length)
2	Site	Terrace of 1 st floor of the building
3	Size	93.5 m ² approx.
4	Distance between consecutive column pipes	2.2 m (Total 10 pillars – 5 in each side)
5	Preferred Length	11 m
6	Preferred Width	8.5 m
7	Preferred Centre height	4.5-5.5 m (according to the terrace and building)
8	Preferred Side height	3.5-4 m from the ground level
9	Structure	Complete structure made of Galvanized Iron (GI) tubular pipes or equivalent section conforming Indian Standards having a wall thickness 2 mm
10	Roof extension (Rainguard)	30 cm extension from both side walls
	Column pillars	2" 2mm thick GI B class pipes
	Pillars	2" 2mm thick GI B class pipes
	Cross	2" 2mm thick GI B class pipes
	Support	1.5" & 1.25" 2mm thick GI B class pipes
	Arch	1.5" 2.0 mm thick GI B class pipes
	Purlins	1.25" 2mm thick GI B class pipes
11	Pillar pipes	65 mm (diameter)
	Arch pipes	56 mm (diameter)
	Arch support pipes	20 mm (diameter)

	Pillar connecting cross pipes	40 mm (diameter)
	Purling pipes & skirting pipes	40 mm (diameter)
	Antivirus net fixing pipe & rain guard, pipes & stay	25mm (diameter)
	Wind reinforcement pipes	40 mm (diameter)
	Door pipes	25 mm (diameter)
12	Foundations	To be laid on terrace of 1 st floor with, 4x4 square plate with anchor bolt and then grouted with cement concrete mixture of 1:2:4 at a height of 2ft.
13	Door	Outer hinge door of appropriate length and width according to structure.
14	Cladding, material (Poly film)	UV stabilized, IR reflective, 230 micron 7 layered multi layered poly film with anti-drip/mist, anti-dust, diffused having 85 % light transmission and other properties.
15	Light diffusing net	Movable using 50% red 120 GSM
16	Fixing of cladding material	All ends/ joints of poly film fixed with two way aluminium profiles with suitable locking arrangements. Aluminium profile- triple spring locking, 0.9 mm thick with smooth edges.
17	Spring insert	Zig-zag high carbon steel with spring action wire of 2-3 mm diameter is used. Zig-zag wire should be of powder coated.
18	Side covering and ventilation	a. 40 mesh insect proof, anti-viral net for side ventilation.(UV stabilized) b. Top ventilation of 1.2 m height.
19	Irrigation	Facilities for irrigation has to be established inside polyhouse
20	Misting/Fogging	Mist irrigation has to be established for entire area with booster pump set and filtration assembly, 4 way foggers with anti-leak mechanism and all other fittings of ISI quality
21	Side protection work	a. Side protection Iron mesh (1-1.5" size) has to be done along entire side area. b. Side protection of 1 foot height along the periphery of the structure (3 sides) using cement bricks with plastering.
22	Complete structure is to be assembled with bolts, nuts, screws and washers of SS 202 grade	

1. Dimensions of Polyhouse may vary according to the site as it is situated in terrace.
2. The specifications given are for standard reference, changes may happen.
3. Slight change in financial bid may happen accordingly (1&2).
4. All other accessories for complete installation and functioning required.
5. 1 year or more warranty should be provided for the materials, fittings and equipments used.
6. 1 year or more service and maintenance warranty should be provided.
7. Service shall be available in Kerala and contact details should be provided.
8. Demonstration and Training on operation, application, calibration and troubleshooting of the equipment shall be provided by supplier without any additional cost at any time.

ANNEXURE-2

Terms and Conditions

1. Last date of submission of tender along with requisite fee, EMD and all documents is 10.06.2024 at 5 PM.
2. The technical bid will be opened on 11.06.2024 at 2 PM.
3. Tenders must accompany a copy of the "Annexure II and Annexure III" section of this document, signed and stamped on each page indicating that they agree to these.
4. The non-refundable application fee of 0.2% of cost with the chalan of 5% of it as GST must be accompanied with tender for each instrument. The application fee must be as D.D. drawn in favour of Director, School of Biosciences, Mahatma Gandhi University, Kottayam.
5. The DD/Cheque for EMD or any other must be drawn in of favour of Director, School Biosciences, Mahatma Gandhi University, Kottayam payable at SBI Mahatma Gandhi University Campus Branch.
6. Instrument should have a warrantee of at least three year and should have at least one Service engineer and one application scientist based in India with onsite training facility on the same quoted equipment. Training should include operation, handling and maintenance of system.
7. A good record in supply and service to other research institutes will be considered as a positive point for a particular company. User list of similar equipment supplied recently in India should be provided.
8. Laboratory floor space, electrical power requirements, earthing, room temperature/ humidity requirements etc. should be mentioned appropriately.
9. All necessary accessories should be supplied with the instrument, as per standard package offered, including complete set of service and operation manuals for diagnosis, trouble shooting, maintenance and electronic circuitry (hard and soft copies).
10. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid. The charges for extended warranty and/or Annual Maintenance Contract after the expiry of offered warranty period should also be specified in the financial bid.
11. The price of the equipment should be quoted in Indian rupee. The total price of the equipment quoted should be inclusive of GST & other taxes if any; material cost; transportation cost; loading and unloading cost; installation cost; labour charges and all other expenses in whatsoever means.
12. Payment process will be initiated only after supply of items as per tender specifications and satisfactory installation of the items.
13. It will be the responsibility of the supplier to deliver the ordered materials at School of Biosciences, Mahatma Gandhi University, Kottayam. All required materials for satisfactory installation are to be provided by the supplier at their own cost.

ANNEXURE 3:

TENDER FORM PART-I (TECHNICAL BID)

Date:

From,

M/s.

.....

To,

**Director,
School of Biosciences,
M.G. University, Kottayam, Pin-686560
Kerala, India.**

Dear Sir,

I/We have gone through the tendering conditions pertaining to the Tender and General Terms and Conditions of Contract and other requirement for delivery and complete Installation and Special Conditions of Contract contained herein with this tender document. I/we hereby agree to supply the stores conforming to the tender specifications incorporated in ANNEXURE 1 of the tender document and also agree to abide by your General Conditions of all Contra acts and Special Conditions of Contract contained in the ANNEXURE 2 of the Tender document.

You will be at liberty to accept any or more of the items of stores offered by us and I/we shall be bound to supply you the stores as may be specified in the Purchase Order/Contract.

I/We hereby agree to keep the price valid for your acceptance for a period of 30 days from the date of opening of Part-II (Financial bid) of the tender. Deviations to Technical specifications contained in ANNEXURE 1 of the tender documents are detailed in ANNEXURE-A to the tender form while deviations proposed to the General Special Conditions of Contract contained in ANNEXURE 2 are detailed in Annexure-B to this tender. Price applicable for the stores are indicated separately in a sealed envelope marked as financial bid of the tender.

I/We are also enclosing herewith all the leaflets catalogue etc. pertaining to the stores offered.

Yours faithfully

Stamp and Signature of the Tenderer

ANNEXURE 4:

TENDER FORM PART-II (FINANCIAL BID)

Date:

From,

M/s.

.....

To,

**Director,
School of Biosciences,
M.G. University, Kottayam, Pin-686560
Kerala, India.**

Dear Sir,

In response to your invitation and as per your tendering and contracting conditions, the prices applicable for the scope of supply contained in ANNEXURE-3 (TECHNICAL BID) of our tender are indicated in the format at annexure "A" to this tender.

We hereby agree to keep the price valid for your acceptance for a period of 30 days from the date of actual opening of Part-II (FINANCIAL BID) of the tender.

Yours faithfully,

Stamp and Signature of the Tenderer