



MAHATMA GANDHI UNIVERSITY
Priyadarshini Hills, Kottayam-686560

Tender No: MGU/RUSA/SBS-Tender/2023-24/5-9

Dated: 17/10/2023

NOTICE INVITING TENDER

The Principal Investigator, RUSA Project No.5, School of Biosciences, Mahatma Gandhi University, Kottayam invites sealed tenders in original including all taxes for the installation of **Naturally ventilated Arch shaped Polyhouse** from reputed 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
	Address	Principal Investigator. RUSA Project No. 5 School of Biosciences Mahatma Gandhi University PD Hills Kottayam
3	Date and time of bid opening	31/10/2023, 11.00 am
4	Last date and Time of submission of tender with relevant documents.	30/10/2023, 5.00 pm

Duly filled up and signed tender schedule along with relevant documents should be sent to **The Principal Investigator, RUSA Project No.5, 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 super scribed 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 **The Principal Investigator, RUSA Project No. 5, School of Biosciences, Mahatma Gandhi University, Kottayam**, Email: jjshams@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.

Principal Investigator

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	90 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	3.5-4m 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)	30cm extension from both side walls
	Column pillars	2”2mm thick GIB class pipes
	Pillars	2”2mm thick GIB class pipes
	Cross	2”2mm thick GIB class pipes
	Support	1.5” & 1.25” 2mm thick GIB class pipes
	Arch	1.5” 2.0 mm thick GIB class pipes
	Purlins	1.25” 2mm thick GIB class pipes
11	Pillar pipes	65mm (diameter)
	Arch pipes	56mm (diameter)

	Archsupportpipes	20mm (diameter)
	Pillarconnecting cross pipes	40mm (diameter)
	Purling pipes &skirtingpipes	40mm (diameter)
	Antivirus net fixingpipe& rain guard, pipes&stay	25mm(diameter)
	Windreinforcemntpipes	40mm (diameter)
	Doorpipes	25mm (diameter)
12	Foundations	To be laid on terrace of 1 st floor with, 4x4 square plate with anchor bolt and then grouted with cementconcretemixtureof1:2:4 at a height of 2ft.
13	Door	Outerhingedoorof appropriate length and width according to structure.
14	Claddingmateri al(Poly film)	UVstabilized,IRreflective,230micron 7 layeredmultilayered poly film with anti-drip/mist,anti-dust,diffused having 85% light transmission and other properties.
15	Lightdiffusingnet	Movableusing50%red120 GSM
16	Fixing of claddingmaterial	All ends/ joints of poly film fixed with two way aluminium profileswithsuitablelockingarrangements.Aluminiumprofile-triplespringlocking, 0.9 mm thick with smoothedges.
17	Springinsert	Zig-zaghighcarbonsteelwithspringactionwireof2-3mmdiameteris used. Zig-zagwireshould beofpowder coated.
18	Side covering and ventilation	a. 40mesh insectproof, anti-viral netforsideventilation.(UV stabilized) b. Topventilation of1.2 mheight.
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, 4wayfoggerswithanti-leakmechanism and all other fittings of ISI quality
21	Sideprotectionwork	a. Sideprotection 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 **30.10.2023 at 5 pm**
2. The technical bid will be opened on **31.10.2023 at 11 am.**
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. The application fee must be as D.D. drawn infavour of **The Principal Investigator, RUSA Project No. 05, School of Biosciences, Mahatma Gandhi University, Kottayam.**
5. The DD/Cheque for EMD or any other must be drawn in of favour of **The Principal Investigator, RUSA Project No. 05, School of Biosciences, Mahatma Gandhi University, Kottayam** payable at SBI Mahatma Gandhi University Campus Branch.
6. A good record in service to other research institutes will be considered as a positive point for a particular company.
7. Laboratory floor space, electrical power requirements, earthing, room temperature/ humidity requirements etc. should be mentioned appropriately.
8. 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.
9. 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 allother expenses in whatsoever means.
10. Payment process will be initiated only after completion of the work.
11. 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.

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To,

**The Principal Investigator,
RUSA Project No.5,
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.

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To,

**The Principal Investigator,
RUSA Project No.5,
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