

CENTRAL STORE (HQ)
Dr. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, BIHAR
PUSA, SAMASTIPUR-848125

No. : 628/CS, DRPCAU, Pusa

Date: 28/01/2021

NOTICE INVITING TENDER
For the supply and installation of Root Image
Analysis System to analyze washed roots

Sealed quotations are invited in two bid system – (1) Technical Bid & (2) Financial Bid **For the supply and installation of Root Image Analysis System to analyze washed roots** from Manufacturers / or their authorized dealers with sufficient work experience. The details can be downloaded from our website www.rpcau.ac.in The quotations should reach to the office of undersigned on or before 19.02.21 through registered post/ speed post only.

uday k
28.1.21

(Officer-in-Charge)
Central Store(HQ)

DRPCAU, Pusa , Samastipur, Bihar
848125

No. 628 /CS/DRPCAU

dated : 28 / 01 / 2021

Copy forwarded to Advertisement Manager, Hindustan Times, Muzaffarpur with a request to publish the above quotation notice (size 8 x 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.

uday k
28.1.21

(Officer-in-Charge)
Central Store(HQ)

CC to : O/I, ARIS Cell, DRPCAU, Pusa (alongwith the soft copy and hard copy) with a request to place the quotation notice and bidding documents on the University website www.pusavarsity.org.in.

uday k
28.1.21

(Officer-in-Charge)
Central Store(HQ)

Doc. No. 662
28/01/2021
cell

Notice Inviting Tender Document
For the supply and installation of Root Image
Analysis System to analyze washed roots

Scope of work:

The university intends to modernize its existing Root Image Analysis System to analyze washed roots for establishment of Soil Plant Atmosphere Continuum (SPAC) laboratory under Centre of Excellence on Water Management by equipping with Root Imager to increase efficiency as well as quality service of the laboratory. Therefore, it needs modern tools and machines to solve the purpose. The interested firms are requested to go through the NIT documents carefully and fill it accordingly.

"The NIQ 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 O/I, Central Store(HQ), DRPCAU ,Pusa Bihar for supply and installation of ***For the supply and installation*** _____.
2. The tender will be filled in two bid system Technical & Financial Bid. These bids should be kept in two separate sealed envelopes super scribing "Technical Bid for the supply of Root Image Analysis System to analyze washed roots -" and "Financial Bid for the supply of Root Image Analysis System to analyze washed roots " separately. Both the envelopes will then be put in to one envelop and sealed properly super scribing " Tender for the supply of Root Imager against inquiry No.----- Dated _____ .
3. Rates quoted should be F.O.R. DRPCAU, Pusa, Samastipur, Bihar inclusive of all taxes and charges. The rates must include packaging, forwarding, transit and installation 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.
4. Supply of the goods is acceptable on bill basis only.
5. Payment shall be made within 30 days from the date of receipt of goods in proper, satisfactory, working conditions i.e after successful installation and demonstration.
6. Tender documents must be submitted consisting of NIQ/Tender form/documents (technical and financial, terms and conditions of supply , special conditions if any. Schedule of quantities filled, completed & signed by tenderer.

7. Tender should be addressed to the Officer-in Charge, Central Store, DRPCAU, Pusa, Samastipur, Bihar
8. The Earnest Money in the form of D.D From Nationalized Bank (Rs.6000/-) should be drawn in favour of COMPTROLLER, RAU,PUSA payable at PNB, RAU, Pusa as the tender without proper EMD shall not be considered.
9. In terms of GFR 2017, tenderers may face legal action, if they amends tender, impair or derogates from the tender in any respect within the period of validity of this tender.
10. The supplier will have to attach a certificate to the effect that the material to be supplied will be of the same specification conforming to standered of the items specified .
11. The taxes which are not quoted in tender by the supplier will not be paid by the university under any cases.
12. The terms and conditions given by the supplier will not be binding on us, conditional tenders shall be rejected at the sole discretion of the competent authority of the university.
13. The date / period of delivery of stores must be clearly mentioned.
14. Any dispute arising in process of the tender, the matter shall be referred to the sole arbitrator who in such case will be the Vice-Chancellor of DRPCAU, Pusa whose verdict shall be final and binding on both the parties.
15. The tender so submitted shall be governed by the GFR 2017.
16. The tenderer may be called for technical discussion by the purchase committee duly constituted or nominated by the competent authority of this university.
17. The acceptance of tender will rest with the university who does not bind itself to accept the lowest tender and reserves itself the authority to reject or partially accept t, any or all the tenders received without assigning any reason.
18. The university reserves the right to place order for the scheduled quantity and or part thereof.
19. Tenders are likely to be rejected in case it does not confirm to the specifications, terms and conditions etc as laid down.
20. The tender must reach to the office of the Officer-in-Charge, Central Store(HQ), DRPCAU, Pusa, Samastipur, Bihar- 848125 on or before 19.12.21 through registered post/ Speed post only.
21. If a firm has the Proprietary article, the Proprietary Article Certificate should be submitted mentioning Make, Model, firm details as per PAC format of GFR- 2017.

B. TECHNICAL BID

Please furnish the following information in this part so as to enable the panel to decide about the qualification & the technical bid necessary documents/certificates from the appropriate authority must be attached in support of statement.

1	Application/forwarding letter for the stores to be supplied with brand name .	
2	Name of the applicant/Quotationer	
3	Address	
4	EARNEST MONEY DEPOSIT (EMD) Name of Bank	
5	Status of the Applicant/ quotationer (whether Manufacturers / distributers/authorized dealers/Reputed firms) certificate must be submitted from appropriate authority)	
6	PAC Certificate , if any	
7	GST Registration No.	
8	PAN No.	
9	ISO/ISI Certificates	
10	Indicate if you are on DGS&D Rate Contract or any other rate contract with Govt. Sector	
11	Annual Turn over, for the last three year	
12	Details of clients (attach list of users)	
13	Indicate after sales service available in Bihar (service station, technical personnel etc.)	
14	Rate validity period	
15	Technical Specifications of Root Image Analysis System to analyze washed roots	

	Name of Machineries	
	Root Image Analysis System to analyze washed roots	
	Specifications	
	<ul style="list-style-type: none"> ➤ Roots measured automatically after extraction from soil and washed ➤ Before Analysis, the roots are digitised with a scanner ➤ Analysis roots using desktop scanner, suitable for image acquisition of macroscopic objects like roots and leaves ➤ System should be scientifically accepted worldwide for research purpose <p>Scanner and software should have following features:-</p> <p><u>Scanner:-</u></p> <ul style="list-style-type: none"> ➤ Accessories to accelerate root positioning and scanning, ➤ A special lighting system to avoid shadows ➤ A permanent calibration to increase the measurement precision, ➤ Scanner Area : 20 x 30 cm ➤ Optical resolution: 4800DPI to measure root diameter of > 0.01mm. ➤ Provision for transparent trays for spreading washed roots in water. <p><u>Software:-</u></p> <ul style="list-style-type: none"> ➤ Software should be capable to measure global measurements (average root diameter, total root length, area, volume and number of tips); root morphology measurement as a function of user definable diameter classes; link, topology, architecture and color analyses. The color analysis can produce root and leaf morphology as a function of color/disease analysis. ➤ Root Scanner Software should be compatible with Window OS 	

Seen
12/11/2021

	<p><u>Measured Parameters:-</u> Root Morphology i.e. Total Length, Average diameter, Total area, volume, number of tips, forks & crossings, per diameter analysis (For total length, Area, Volume, Number of tips), disease/ color analysis (For total length, Area, Volume, Number of tips) ; link analysis ,Root topology, Root development classification, Root architecture with fractal color analysis</p> <p>➤ Recent 5 worldwide scientific publication should be attached with quote</p>	
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C. FINANCIAL BID

1	Forwarding Letter for the store to be supplied		
2	Name of the tenderer/quotationer		
3	Address		
4	Status of the applicant		
5	Mode of Supply Direct/through dealer/distributer if applicable		
	Name of Implement	UNIT PRICE	TOTAL PRICE
	Root Image Analysis System to analyze washed roots – 01 nos.		

CHECK LIST

1. Earnest Money Deposit
2. Covering letter
3. GST
4. VAT
5. PAC, if any
6. CATELOUGE
7. Annual Financial Statement
8. Service Network in Bihar
9. Authorization/Manufacturer license

S. Reddy
1.1.21

(Officer-in-Charge)
Central Store(HQ)
DRPCAU, Pusa , Samastipur, Bihar
848125