

Dr. Rajendra Prasad Central Agricultural University

Pusa, Samastipur - 848 125

Website: www.rpcau.ac.in

NIQ No: - 01/ARIS/Pusa

Date: 06/06/2022

1. Dr. Rajendra Prasad Central Agricultural University (RPCAU) invites Notice Inviting Quotation (NIQ) for Supply, Implementation, Operationalization & Maintenance of Smart Board at RPCAU, Pusa Campus, Samastipur.
2. Interested Agencies/Firms may download the complete NIQ Document from website www.rpcau.ac.in

Sr. Information

Details

1. Website for details of proposal/Tender www.rpcau.ac.in
 2. Last date (deadline) for submission of NIQ 05:00 PM on 21.06.2022
 3. Date of Presentation by eligible bidders to be notified later
3. The firms will be selected based on the criteria and procedures described in the NIQ document.
 4. No proposal will be accepted without non-refundable NIQ document fee of Rs. 10,000/-. No liability will be accepted for incomplete NIQ document.
 5. RPCAU reserves the right to accept or reject any or all proposals without incurring any obligation to inform the affected application/s of the grounds.
 6. The NIQ document complete in all respect in the prescribed format shall reach to the **Controlling Officer, ARIS Cell, RPCAU, Pusa** latest by 21.06.2022 through registered/speed post/Courier.

**Controlling Officer
ARIS CELL (HQ), RPCAU**



Notice Inviting Quotation (NIQ)

For

**Supply, Implementation, Operationalization &
Maintenance of Smart Board at RPCAU, Pusa
Campus, Samastipur**

[NIQ No -01/ARIS/Pusa Dt - 06/06/2022]

**Dr. Rajendra Prasad Central Agricultural University,
Pusa, Samastipur - 848 125**

DISCLAIMER

This NIQ is not an offer by Dr. Rajendra Prasad Central Agricultural University (RPCAU), Samastipur but an invitation to receive NIQs from bidders. No contractual obligation whatsoever shall arise from the NIQ process unless and until a formal contract is signed and executed by duly authorized Officer of RPCAU with the bidder.

1. NOTICE INVITING QUOTATION

The Dr. Rajendra Prasad Central Agricultural University Invites, Notice Inviting Quotation (NIQ) for “Supply, Implementation, Operationalization & Maintenance of Smart Board at RPCAU, Pusa Campus, Samastipur” in the prescribed format from Company registered under Indian Company Act, 1956.

Notice Inviting Quotation completed in all respects should be submitted **up to 1700 HRS on 21.06.2022.**

2. INTRODUCTION

The Dr. Rajendra Prasad Central Agricultural University abbreviated, RPCAU, formerly Rajendra Agricultural University, is a public central agriculture university and is recognized as Institute of National Importance by Government of India. It is located in Pusa, Samastipur district, Bihar.

3. COST OF NIQ

The copy of the NIQ may be received from the University website www.rpcau.ac.in. Cost of NIQ is ₹10,000/- (non-refundable) vide Demand Draft/ Bankers Cheque in favor of Comptroller, RPCAU, Pusa payable at PNB, RAU Pusa (Branch Code : 4512) to be paid with the tender documents. The tender received without proper NIQ cost shall be summarily rejected. No other mode of payment will be accepted.

4. CRITICAL INFORMATION

Applicants are advised to study this NIQ document carefully before submitting their proposals in response to the NIQ Notice. Submission of a proposal in response to this NIQ shall be deemed to have been done after careful study and examination of this document with full understanding of its terms, conditions and implications.

Applicants are requested to adhere to important dates mentioned as under

Sr.	Information	Details
1.	Last date (deadline) for submission of NIQ Proposal hard copies at Controlling Officer, ARIS Cell RPCAU, Pusa, Samastipur	Up to 05:00 PM on <u>21.06.2022</u>
2.	Date of Presentation by the bidders	To be notified later

5. ABOUT THE PROJECT

5.1 Main objective of this project:

Highlighting of Agriculture Education Museum theme of Dr. Rajendra Prasad Central Agricultural University by running the live videos, AV Clips, various activities of the university, documentaries keeping the visitors aware regarding new schemes contribution of RPCAU, educating farmers on various initiatives taken by the RPCAU /government. To help agriculture education museum to showcase the RPCAU contribution in the field of agriculture sciences.

5.2 Time Frame:

The maximum time for complete establishment of the Smart board system in RPCAU is 45 Days from the date of award of contract including testing and implementation of the integrated Smart Board solution.

5.3 Scope of Work:

Installation of LED Wall measuring 6^{1/2} feet x 6 feet at Dr. Rajendra Prasad Central Agricultural University premises, Samastipur & its maintenance.

With the specification mentioned here under:

Sr. No.	PARAMETERS	Desired Requirements	Compliance Yes/No
1	Pixel Pitch	3mm	
2	Pixel Led	1R1G1B	
3	Power Supply	DC 4.5V ~ 5 V	
4	Pixel Density (dots/m2)	100000-120000	
5	Module Resolution (PX x PX)	64 x 64	
6	Module Size (mm)	192 x 192	
7	Cabinet Resolution	1536*1536 (Min)	
8	Cabinet Material	Aluminium/Mild Steel	
9	Refresh Frequency (Hz)	1800-2000	
10	Brightness nits	500-900	
11	White Balance Brightness	600-800	
12	Cabinet Avg. Power Consumption (W/sqm)	120-150	
13	Horizontal View Angle (degree)	140-160	
14	Vertical View Angle (degree)	140-160	
15	Cabinet Max. Power Consumption (W/sqm)	400-450	

16	Standard Color Temperature	6500K (1000K~9500K Adjustable)	
17	Video Support	2K HD, 4K UHD	
18	Audio Support	20W-30W	
19	Input Voltage	AC 110 / 220V+/-10%	
20	Frame Frequency	40-70	
21	Working Environment	Indoor	
22	Life-span (hrs)	40000-60000	
23	Storage Temperature/ Humidity Range (°C/RH)	- 20°C - 50° C	
24	Working Temperature/ Humidity Range (°C/RH)	10°C - 50° C	
25	Grayscale available	Yes	
26	Features	Video Display, Animation Display, Images, Presentations, Graphics etc.	
27	Modes of Operation	Online, Offline data streaming	
Video wall Processor			
28	Specification for Control Unit	Configurable video wall processor that shall support the real-time window display of multiple video, graphic, pictures and streamed input sources on a single or tiled video display.	
		Video Wall Processor to drive 2 number of 2x2 matrix Video walls	
		Redundant Design: Redundant Power supplies, in case of indirect power	
		Redundant Design: Redundant Fans	
		Raid1 redundant setup with either 1000 GB HDD or more Hard Disk Drive.	
		1Gb/s LAN port	
		Outputs: DVI/HDMI suitable for driving 2 VW sets of 2x2 Panels	
		Inputs: 2 DVI/HDMI with Audio and 4K resolution. System should be able to simultaneously show	

		<p>multiple sources (available from LAN) on each Video wall. Processor should have Key board and Mouse Control for controlling the Video Wall Layouts.</p>	
		<p>Layout: It should be possible to create layouts comprising of screen scrapped content of Workstations, DVI inputs, Web sources, URLs configured as sources. Layouts can be pre-configured or changed in real time.</p>	
29	Scheduling	<p>It should be possible to schedule specific Layout based on time range (from.....to.....).</p>	
30	Zoning	<p>It should be possible to create two zones.</p>	
31	Processor	<p>Processor is to be mounted in Equipment room which is away from Videowalls. Bidder to visit the site and estimate cable requirements.</p>	
32	Redundancy for Video Wall Processor	<p>Functionalities must be offered to avoid Video Wall going blank in case of Video Wall Processor goes down, for redundancy. Video Wall should continue to display contents based on pre-configured layout, without downscaling of Display Content, even if Video Wall Processor goes down.</p>	

Specifications of Display Wall Management Software			
		Minimum Performance Specifications	
33	Layout	The software should be able to pre-configure various Display Layouts and access them at any time with a simple mouse click or schedule/timer based.	
34	Sources	The software should be able to display multiple sources anywhere on video wall in any size.	
35	Display	The software should be able to create layouts and launch them as and when desired.	
36	Layout Scheduler	All the Layouts can be scheduled as per user requirements.	
37	Layout Scheduler	Software should support auto launch of Layouts according to specified time event by user.	
38	Layout Management/ Configuration	It should be possible to create layouts comprising of screen scrapped content of Workstations, DVI inputs, Web sources, URLs configured as sources. Layouts can be pre-configured or changed in real time.	
39	Scheduling	It should be possible to schedule specific Layout based on time range.	

- a. SS Fabrication of the Structure to Support LED Wall
- b. Installation of Servo 2.5 KVA, 200~260V for LED Wall longevity & protection against voltage surge.
- c. Integrated AV System for information dissemination.
- d. ACP, for contemporary aesthetic of the site location.
- e. The products must have 1 Year onsite warranty duly endorsed by the bidder.

6. INSTRUCTIONS TO THE BIDDERS

6.1 Completeness of Response

- 6.1.1 Bidders are advised to study all instructions, forms, requirements and other information in the NIQ documents carefully. Submission of the bid shall be deemed to have been done after careful study and examination of the NIQ document with full understanding of its implications.
- 6.1.2 The response to this NIQ should be full and complete in all respects. Failure to furnish all information required by the NIQ documents or submission of a proposal not substantially responsive to this document will be at the Bidder's risk and may result in rejection of its Proposal.
- 6.1.3 The response to the NIQ should be submitted in hard copies at receiving section of RPCAU either by Speed Post/registered post/Courier only in sealed envelope. Bids submitted by any other method shall be rejected.
- 6.1.4 The enveloped should be superscripted as "NIQ for Supply, Implementation, Operationalization & Maintenance of Smart Board at RPCAU, Pusa Campus, Samastipur".
- 6.1.5 All Documents submitted with the NIQ should be properly signed and page numbered with Index at the front. Failing so RPCAU reserves the right to reject the submitted NIQ.

6.2 NIQ Proposal Preparation Costs

- 6.2.1 The bidder is responsible for all costs incurred in connection with participation in this process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by RPCAU to facilitate the evaluation process.
- 6.2.2 RPCAU will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

6.3 Other Terms and Conditions

- 6.3.1 This NIQ does not commit RPCAU to award a contract or to engage in negotiations.
- 6.3.2 Presentation of available existing solution / Software developed by the qualified bidder will be reviewed by an evaluation committee of RPCAU and marks will be awarded by the committee based on the parameters mentioned in point 8 of the NIQ.

6.4 Issue of Corrigendum

- 6.4.1 At any time prior to the last date for receipt of NIQ, RPCAU may, for any reason, at its own initiative modify the NIQ Document by a corrigendum.
- 6.4.2 Any such corrigendum shall be deemed to have been incorporated into this NIQ.
- 6.4.3 In order to provide prospective Bidders reasonable time for taking the corrigendum into account or for any other reason, RPCAU may, at its discretion, extend the last date for the receipt of NIQ Proposals.

6.5 Right to Terminate the Process

- 6.5.1 RPCAU may terminate the NIQ process at any time without assigning any reason. RPCAU makes no commitments, express or implied, that this process will result in a business transaction with anyone.
- 6.5.2 This NIQ does not constitute an offer by RPCAU. The bidder's participation in this process may result in short listing the eligible bidders.

6.6 Consortium

Consortium is not allowed.

6.7 Submission of Responses

- 6.7.1 Proposal Submission can be done only from the Submission start date and time till the proposal Submission end date and time given in the NIQ. Bidders should start the Bid Submission process well in advance so that they can submit their proposal in time. Once the Bid submission date and time is over, the Bidders cannot submit their tender. For delay in submission of tender due to any reasons, the Bidders shall only be held responsible.
- 6.7.2 NIQ proposal shall consist of supporting proofs and documents as defined in the Pre- qualification section.
- 6.7.3 Bidder shall submit all the required documents as mentioned in the annexures including various templates (Form 1, Form 2 & Form 3) and Power of Attorney etc. (if applicable). It should be ensured that various formats mentioned in this NIQ should be adhered to and no changes in the format should be done.

6.7.4 The NIQ proposal submitted by bidder should be a complete document. The document should be page numbered, must contain the list of contents with page numbers and shall be signed on each page by the Authorized Representative of the bidder.

6.7.5 NIQ document submitted by the bidder should be concise and contain only relevant information as required.

6.7.6 The response to the NIQ should be submitted in hard copies at receiving section of RPCAU either by Speed Post/registered post/Courier only in sealed envelope. Bids submitted by any other method shall be rejected.

6.8 Bid Submission Format

6.8.1 The entire proposal shall be strictly as per the format specified in this Invitation for Notice Inviting Quotation and any deviation may result in the rejection of the NIQ proposal.

6.8.2 The bids submitted by fax/e-mail etc. shall not be considered. No correspondence will be entertained in this regard.

6.8.3 RPCAU shall not be responsible for any delay or non-submission of the documents. No further correspondence on the subject will be entertained.

6.8.4 RPCAU reserves the right to modify and amend any of the above-stipulated condition/criterion depending upon project priorities vis-à-vis urgent commitments.

6.9 Short listing Criteria of NIQ

6.9.1 RPCAU will shortlist bidders who meet the Pre-Qualification criteria, experience in execution of similar project for organizations and evaluation of demo to be given by the bidders before the evaluation committee of RPCAU.

6.9.2 Any attempt by a Bidder to influence the NIQ evaluation process may result in the rejection of its NIQ Proposal.

6.10 Evaluation Process

6.10.1 RPCAU will constitute an Evaluation Committee to evaluate the responses of the Applicants.

6.10.2 The Evaluation Committee constituted by RPCAU shall evaluate the

responses to the NIQ and all supporting documents & documentary evidences. Inability to submit requisite supporting documents or documentary evidence, may lead to rejection of the NIQ Proposal. The Committee may seek additional documents as it deemed necessary.

6.10.3 Each of the responses shall be evaluated to validate compliance of the applicant according to the Pre-Qualification criteria, Forms and the supporting documents specified in this document.

6.10.4 The bidder will be required to make presentation before the Proposal Evaluation Committee on technical and operational aspects including the demonstration of their existing integrated solution to evaluate its suitability for the assignment.

6.10.5 The decision of the Evaluation Committee in the evaluation of responses to the Notice Inviting Quotation shall be final.

6.10.6 The Evaluation Committee reserves the right to reject any or all proposals.

6.11 Payment Terms: No payment shall be made in advance for this work. Payment under the contract shall be made as per following terms

- a. Selected bidders will be notified accordingly.
- b. Payment of 50% amount of Invoice raised against receipt of goods in proper, satisfactory condition shall be made within 60 days from the date of receipt of invoice. Balance payment will be made after successful installation and commissioning.
- c. **Security deposit** of 5% of the work order for the successful bidder in the form of Demand Draft/Bank Guarantee in favor of Comptroller, RPCAU, Pusa must be submitted to the University for the period of 18 months.

7. PRE-QUALIFICATION CRITERIA

7.1	Eligibility Criteria	Documents Required to be Submitted
1	The Applicant must be a Company registered under Indian Company Act, 1956.	<ul style="list-style-type: none"> • Copy of Certificate of Incorporation
2	The agency should have valid registration with appropriate statutory authorities as required under law. A copy of all such registrations such as PAN and GST, etc. must be enclosed.	<ul style="list-style-type: none"> • Copy of GST Registration Certificate. • Copy of PAN Card
3	The agency should have been in the Software Development field for at least 5 Years.	<ul style="list-style-type: none"> • Proof of commencement of business • List of clients.
4	Reference, information and certificates from the respective clients certifying technical, delivery & execution capability of the bidder should be signed and the contact numbers of all such clients.	<ul style="list-style-type: none"> • Details of clients and certificates from them to be provided
5	The bidder should have average annual turnover of at least Rs. 1.0 Cr (Rupees One Crore Only) during the last three financial years (2018-19, 2019-20 and 2020-21) from Software development, IT Services & related activities.	<ul style="list-style-type: none"> • Audited Balance Sheet and Profit & Loss Statement by a Statutory Auditor/Chartered Accountant.
6	The agency should have at least 3 Work Order of Similar App Development	<ul style="list-style-type: none"> • The bidder must give an undertaking on its letter head that it has the necessary expertise along with Copy of work order.
7	The firms having black-listed/ debarred in participating in any procurement activities by any State or Central Government or any other govt. organization in India are not allowed to bid.	<ul style="list-style-type: none"> • Undertaking to this effect shall be submitted by the bidder on his letter head that the agency has not been blacklisted / debarred from participating in tender/bids by any State or Central Govt. organization in India. • Refer (Annexure-I)

Note: Apart from the above documents, the bidder is required to submit the Power of Attorney in the name of the Authorized Signatory.

8. EVALUATION CRITERIA

A. Technical Evaluation Criteria

Eligible bidders would be given an opportunity to present a demo of its product before a panel formed by RPCAU. Based on the live-demo of the presentation, marking would be done by RPCAU panel. Presentation should include the criteria mentioned in the below table.

Sr. No	Criteria	Max Marks	Marks Obtained
1.	Understanding of Requirements, Approach and Methodology will be evaluated based on quality of the solution, Presentation/discussions with bidder and the solution's ability to meet the requirement. Demonstration of developed Software Solution & App for Citizen Information. Adequacy of proposed approach & methodology for application development/ customization, operations/ execution, managed services and maintenance.	25	
2	Annual average Turnover of the last 3 years More than 2.0 Crore - 25 Marks Between 1.75 Cr -2.0 Cr - 20 Marks Between 1.50 Cr -1.75 Cr - 15 Marks Between 1.25 Cr - 1.50 Cr - 10 Marks Between 1.0 Cr -1.25 Cr - 05 Marks	25	
3.	Experience of Information Dissemination over Live Data for More than Seven years - 25 Marks More than Three years - 15 Marks Minimum Three years - 10 Marks	25	
4.	Demonstration of similar projects implemented (Copy of Work order to be enclosed) More than Seven projects - 25 Marks More than Three projects - 15 Marks Minimum Three projects - 10 Marks	25	
	Total Score	100	

Bidders who score minimum 75 marks in the technical criteria as per the table above will be eligible for opening of the financial bid.

B. Financial Evaluation Criteria

- a. The Financial Bids of only technically qualified bidders will be opened.
- b. The Bidders, who has submitted the lowest financial bid, shall be selected as the L1 and shall be called for LOI.
- c. Only fixed price financial bids indicating total price for all the deliverables and services specified in this bid document will be considered.
- d. Any conditional bid would be rejected.
- e. Financial bids shall be submitted as per the format at **Form 3: FINANCIAL PROPOSAL TEMPLATE**.
- f. Details of the taxes and duties leviable on the basic cost to be indicated clearly in the financial bid.
- g. Errors & Rectification: Arithmetical errors will be rectified on the following basis: "If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail".

BID SUBMISSION FORMS

The bidders are expected to respond to the NIQ using the forms given in this section and all documents supporting Pre-Qualification / NIQ Criteria.

Proposal / Pre-Qualification Bid shall comprise of following forms:

Form 1: Covering Letter with Correspondence Details

Form 2: Details of the Bidders Operations and Consulting

Form 3: Template to be used for submitting Financial Proposal

Annexure - I Self Declaration - Non-Blacklisting

Form 1

Covering Letter on Letterhead of the Bidder with Correspondence Details

To,

Controlling Officer
ARIS Cell (HQ),
Dr. Rajendra Prasad Central Agricultural University
Samastipur

Subject: NIQ for “Supply, Implementation, Operationalization & Maintenance of Smart Board at RPCAU, Pusa Campus, Samastipur”.

Dear Sir,

With reference to your advertisement inviting “Notice Inviting Quotation for participation for Supply, Implementation, Operationalization & Maintenance of Smart Board at RPCAU, Pusa Campus, Samastipur”. We, the undersigned, offer to provide the services for the same, please find below the details of our agency for your consideration:

Sr. No.	Information	Details		
1	Name of the Contact Person			
2	Address of the Contact Person			
3	Name, designation and contact, address of the person to whom, all references shall be made regarding this NIQ.			
4	Telephone number of the Contact Person.			
5	Mobile number of the Contact Person			
6	Fax number of the Contact Person			
7	Email ID of the Contact Person			
8	Corporate website URL.			
9	Name of the Organization:			
10	Head of the Organization (with designation):			
11	Legal Status - Company			
12	Address of Head Office:			
13	Number of Offices (including Head Office): India & Abroad			
14	Annual Turnover (in Lakhs): (Last three Years)	2018-19	2019-20	2020-21
	i) Years of Operation (in Years):			
	ii) Date of commencement of Business:			
15	PAN Number			
16	GST Registration Number			

We are hereby submitting our Notice Inviting Quotation. We understand that you are not bound to accept any Proposal you receive.

We fully understand and agree to comply that on verification, if any of the information provided here is found to be misleading the short-listing process or unduly favors our company in the short-listing process, we are liable to be dismissed from the NIQ selection process or termination of the contract during the project.

We agree to abide by the conditions set forth in this NIQ.

We hereby declare that our proposal submitted in response to this NIQ is made in good faith and the information contained is true and correct to the best of our knowledge and belief.

Sincerely,

Signature: _____

Name of the Bidder: _____

Seal of the Organization: _____

Date: _____

Place: _____

Form 2

Details of the Bidder Operations and Consulting

Sr. No.	Information Sought	Details to be Furnished
1	Name and address of the bidding Agency	
2	Incorporation status of the Agency	
3	Year of Establishment	
4	Date of registration	
5	ROC Reference No.	
6	Details of registration with appropriate authorities for GST	
7	Name, Address, email, Phone nos. and Mobile Number of Contact Person	

Signature: _____

Name of the Bidder: _____

Seal of the Organization: _____

Date: _____

Place: _____

Form 3

Template to be used for submitting Financial Proposal

Sr. No.	Item	Unit Rate (INR)	Applicable Taxes (INR)	Total Amount (INR)
1	Installation of LED Wall measuring 6 ^{1/2} feet x 6 feet at Dr. Rajendra Prasad Central Agricultural University premises, Samastipur & its maintenance. With the specification mentioned hereunder: > LED Smart Board > SS Fabrication of the Structure to Support LED Wall > Installation of Servo 2.5 KVA, 200~260V for LED Wall longevity & protection against voltage surge > Integrated AV System for information dissemination. > ACP, for contemporary aesthetic of the site location. > Complete AMC of the solution for 3 years post warranty.			
Total Cost (INR)				

Signature: _____

Name of the Bidder: _____

Seal of the Organization: _____

Date: _____

Place: _____

Annexure - I

SELF-DECLARATION - NON-BLACKLISTING

To,

Controlling Officer,
ARIS Cell (HQ),
Dr. Rajendra Prasad Central Agricultural University,
Pusa, Samastipur - 848 125

Sir,

In response to the NIQ Ref No. _____ Dated _____. for Notice Inviting Quotation for Supply, Implementation, Operationalization & Maintenance of Smart Board at RPCAU, Pusa Campus, Samastipur, I/ We hereby declare that presently our Company/ Firm _____ is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State/ Central Government/ PSU.

I/We further declare that presently our Company/ firm _____ is not blacklisted and not declared ineligible for reasons other than corrupt & fraudulent practices by any State/ Central Government/ PSU on the date of Bid Submission.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Thanking you,

Signature: _____

Name of the Bidder: _____

Seal of the Organization: _____

Date: _____

Place: _____