



NAVSARI AGRICULTURAL UNIVERSITY

NAVSARI AGRICULTURAL UNIVERSITY
ERU CHAR RASTA, NAVSARI, GUJARAT-396 450

Dr. T. R. Ahlawat
PI & NODAL OFFICER
NAHEP-CAAST, NAU

Contact: 02637- 283452
Email: caastnau@gmail.com

No. NAU/DR/NAHEP-CAAST/U-2/ ¹²¹ /2022

Date: 25/01/2022

To,

Reputed supplier

Dear Sir/Madam,

Subject: Invitation of quotation for purchase of Gel documentation system with computer accessories and software

The Principal Investigator and Nodal Officer, NAHEP-CAAST Sub-Project, Navsari Agricultural University, Navsari invites most competitive quotations in sealed envelope under National Agricultural Higher Education Project (NAHEP) CAAST sub-project entitled "Establishment of Secondary Agriculture Unit for Skill Development in Students and Farmers at NAU, Navsari" for below given from reputed sellers.

You are invited to submit your most competitive sealed quotation for purchase of Gel documentation system with computer accessories and software

Sr. No.	Particulars	Quantity
1	Gel documentation system with computer accessories and software	
	Gel Documentation System for fluorescence and visible applications, Includes Acquisition and Analysis Software, with Large 302nm 230V 50Hz, UVT	1
	UV to Blue light converter, Size 25x30cm suitable for DNA safe dyes	1
	Technical Specifications include:	
	Camera – <ul style="list-style-type: none">The camera should be 5MP with effective resolution of 15.3MP having no image quality compromise for bigger prints.The sensor should capture data of 12 & 16 bit with grayscale of 65536.It should have high quantum efficiency @ 425nm should be 52%.Should have motor driven zoom lens with 7 position filter wheel and aperture of F1.2 with feedback.	
	Dark hood – <ul style="list-style-type: none">The system should be capable for DNA gels, Protein gels, Colony counting, Colorimetric blots, films applications with trans UV light, Blue Light converter and white light converter and most importantly it must be upgradable with Chemiluminescence, multiplexing, RGB and Infrared applications.The Gel Documentation system with large image area of 32.5x24.1cm.It should be equipped with large 302nm 25x30cm UV transilluminator, Blue Light converter and White light converter to cover wide range of applications including Ethidium Bromide, RunSAFE, SYBR™ stains, Gel Red™, SYBR Safe, Gold and Green, GelGreen and UltraSafe blue, as well as protein gels stained with colorimetric stains such as Coomassie and Silver stains.The dark hood should be equipped with integral white LED lighting for sample positioning, visible light applications and colorimetric markers.	

	<ul style="list-style-type: none"> • Hinged door with magnetic catch with safety switch to prevent accidental UV exposure when door is open and must have UV override option as well for gel cutting applications. • Weight of the unit should not exceed 37 kgs and dimensions should not exceed 57x82x45cm (WxHxD). • The unit must have Safety Requirements for Electrical Equipment for measurement, Control, and Laboratory Use - Part 1: EN61010-1: 2001, General requirements Following the provisions of Directives 73/23/EEC (Low Voltage) and 89/336/EEC (EMC) as amended by 93/68/EEC (CE Marking). <p>The system should be complete with license free image acquisition and analysis software.</p> <p>Acquisition Software –</p> <ul style="list-style-type: none"> • The software should be CFR compliant. • It should give various options to user to select the Epi light source, trans light source, applications, stains/dye selection, protocols selection etc. for better results. • Dynamic Field Function should be there based on powerful algorithms which corrects for uneven illumination from the light source. This results in an image with a flat, even background whilst maintaining GLP compliance. • The acquisition software should give full control to the user to select the exposure and manual capture. • The images after capturing can be enhanced, edited and should be transferred to the provided analysis software for further analysis. <p>Analysis Software –</p> <ul style="list-style-type: none"> • License free software should be provided to run in a standard windows environment and provides an application driven and time-saving workflow for running a variety of life-science applications. • The software should have option to select the sample format, sample type, matrix type, dye type and lighting type which gives user the complete access. • The analysis software automated lane and band detection, pre-loaded DNA ladder standards; simple quantification and automated report creation; perfect in a GLP environment. • It should have a 3D view control too. • The software provided should be able to perform 1D gel analysis, MW/BP calculation, Colony counting, Adding molecular weight & ladders, Band matching with dendrograms, Spot and slots blots, Band quantification (automatic and manual). • The gel window should be divided in to 4 portions showing image with lanes and bands, peaks molecular weight tables, and curve for easy identification. • It should create dendrograms showing relationships between matched tracks. • The software should give to match peaks on different tracks. • Software should be automatic as well as should give complete control to the user to create configurations, band selections, lane creation and reports generation. • There should be a separate option in the software for analysis of high throughput gels. Here too it should give automatic results as well user control to select the bands and their width to check with or without backgrounds. • It should include colony counting with options for different analysis types & sizes, frame adjustments, sensitivity selection, class split and showing counts. • Automatic and manual band quantification is must, and should include raw volume, % of raw volume, Calibration quantity, background level, mean pixel value, radius etc. • It should have Spot blot analysis where user can choose from different analysis types, spot types and image types. • Image output options should be JPEG, PNG and TIFF. • It should allow user to export data to image files, excel or word format. 	
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1. The quotation should be as per enclosed terms and conditions **forwarded by hand/post/courier on/or before the closing date in the name of Principal Investigator and Nodal Officer, NAHEP-CAAST Sub-Project, O/o Directorate of Research, Navsari Agricultural University, Navsari – 396 450, Gujarat. Please mention “Quotation for purchase of Gel documentation system with computer accessories and software at (NAU-CAAST) (Unit-2)” on the top of the envelope**

2. Government of India has received a financing from the International Bank for Reconstruction and Development (IBRD) in various currencies towards the cost of the National Agricultural Higher Education Project (NAHEP) and intends to apply part of the proceeds of this Loan to eligible payments under the contract for which this invitation for quotations is issued
3. Payments will be done through Cheque/PFMS after receiving **Gel documentation system with computer accessories and software** and bill in favour of the billing firm
4. We look forward to receiving your quotations and thank you for your interest in this project.
5. **For any Quarries contact on 9408083819**



**Principal Investigator & Nodal Officer
NAHEP-CAAST Sub-Project**

Terms and Conditions of Quotation/Tender

1. **Bid Price**
 - a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - b) All duties, taxes and other levies including transportation or delivery charge payable on the object/tendered item shall be included in the total quoted price.
 - c) The rates quoted by the bidder shall be fixed for the duration of the contract period and shall not be subject to adjustment on any account.
 - d) The prices shall be quoted in Indian Rupees only.
 2. One bidder can submit only one quotation/tender.
 3. **Validity of Quotation/Tender**

Quotation/tender shall remain valid upto March 31st, 2022 from the date of the submission of bid/quotation.
 4. **Evaluation of Quotation/Tender**

The purchaser will evaluate and compare the quotation/tender which are substantially responsive on technical and financial ground *i.e.* which

 - a) are properly signed; and
 - b) confirm to the terms and conditions and specifications

The quotation/tender would be evaluated for all the items altogether enlisted in tender document floated by the purchaser.
 5. **Award of contract**
 - a) The purchaser will award the contract to bidder whose quotation/bid found most responsive on the basis of technical and financial ground and who has offered the lowest evaluated quotation/bid price.
 - b) Notwithstanding the above, the purchaser reserves the right to accept or reject any quotation/bid and to cancel bidding process reject all quotation/tender at any time prior to the award of contract.
 - c) The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation/tender validity period. The terms of the accepted offer shall be incorporated in the purchase order.
 6. Payment shall be made after successful supply of the quoted item/s *i.e.* **Gel documentation system with computer accessories and software** abiding the norms of NAU and NAHEP-World bank.
 7. Normal commercial warranty / guarantee shall be applicable to the supplied goods.
 8. Account Details of the bidders
- The bidder must provide the following information**
- **Name of the Bank and Branch:**
 - **Bank Account No:**
 - **Account Type:**
 - **IFSC Code:**
 - **Postal Address (with PIN Code):**
 - **E-mail and Phone:**
9. The supply of Gel documentation system with computer accessories and software should be consigned to "College of Forestry, ACHF, Navsari Agricultural University, Near Eru Char Rasta, Navsari-396450" by Courier/Post.
 10. The original documents/bills/invoice are to be dispatched through any means of recorded delivery *i.e.* Registered post/Speed post/Courier to the address of the purchaser/consignee.
 11. Provide the certificate of authorize dealership, if applicable.
 12. If the material found to be defective/damaged or not as per specifications then the materials will not be accepted under any circumstances.
 13. The bidder/Vendor/Supplier concerned must have the **PAN number** (*i.e.* Permanent Account Number). The self-attested Xerox copy of the PAN Card duly signed with seal of the Vendor/Supplier should be submitted along with bid/Quotation.

14. While the purchaser and the vendor shall make every effort to resolve disputes amicably by direct informal negotiation, even then in any disagreement or dispute arising between them under or in connection with the contract shall be settled under the court of law within its jurisdiction at Navsari, Gujarat. The resultant contract will be interpreted under Indian laws.
15. The bill price inclusive of all taxes CGST/SGST and charges for delivery / transportation if any at the NAU, Navsari; **however CGST/SGST should be mentioned separately in the bill.**
16. NAU, Navsari reserves the right to accept or reject the item/s quoted by the bidder without assigning any reasons thereof.
17. **You are requested to provide your offer on or before 15/02/2022 by 17.00 hrs.**
18. I/we hereby declare that I/we have gone through the terms and condition mentioned in the above tender document and I/we accept above terms and conditions.

Note: Kindly make note of your materials/items/goods covered under TDS: Yes/No if No please justify.....

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**Signature of Supplier
Seal/Stamp**

Quotation

To,
The Principal Investigator and Nodal Officer
NAHEP-CAAST Sub-Project
 O/o Directorate of Research, University Bhavan
 Navsari Agricultural University
 Eru Char Rasta, Navsari- 396450.

Subject: Quotation for Purchase of **Gel documentation system with computer accessories and software**

Reference: No. NAU/DR/NAHEP-CAAST/U-2/¹²²/2022

Date: 25/01/2022

Dear Sir,

In response to above referred subject, we are submitting our offer for purchase of **Gel documentation system with computer accessories and software**. The details are as under:

- | | |
|--|------------------|
| 1. Name of the bidder: | |
| 2. Complete address of the Bidder: | |
| 3. Bank Name: | 4. A/C No: |
| 5. Name of Branch: | 6. IFSC Code: |
| 7. PAN Number: | 8. Account type: |
| 9. GSTIN : | 10. Contact: |

FORMAT OF QUOTATION

Sr. No.	Particulars	Qty.	Comply (Yes/No)	Total amount including 5% GST and Transportation charges (Rs.)	Total amount including 18% GST and Transportation charges (Rs.)
	Gel Documentation System for fluorescence and visible applications, Includes Acquisition and Analysis Software, with Large 302nm 230V 50Hz, UVT	1			
	UV to Blue light converter, Size 25x30cm suitable for DNA safe dyes	1			
1	<p><u>Technical Specifications include:</u></p> <p>Camera –</p> <ul style="list-style-type: none"> The camera should be 5MP with effective resolution of 15.3MP having no image quality compromise for bigger prints. The sensor should capture data of 12 & 16 bit with grayscale of 65536. It should have high quantum efficiency @ 425nm should be 52%. Should have motor driven zoom lens with 7 position filter wheel and aperture of F1.2 with feedback. <p>Dark hood –</p> <ul style="list-style-type: none"> The system should be capable for DNA gels, Protein gels, Colony counting, Colorimetric blots, films applications with trans UV light, Blue Light converter and white light converter and most importantly it must be upgradable with Chemiluminescence, multiplexing, RGB and Infrared applications. The Gel Documentation system with large image area of 32.5x24.1cm. 				

<ul style="list-style-type: none"> • It should be equipped with large 302nm 25x30cm UV transilluminator, Blue Light converter and White light converter to cover wide range of applications including Ethidium Bromide, RunSAFE, SYBR™ stains, Gel Red™, SYBR Safe, Gold and Green, GelGreen and UltraSafe blue, as well as protein gels stained with colorimetric stains such as Coomassie and Silver stains. • The dark hood should be equipped with integral white LED lighting for sample positioning, visible light applications and colorimetric markers. • Hinged door with magnetic catch with safety switch to prevent accidental UV exposure when door is open and must have UV override option as well for gel cutting applications. • Weight of the unit should not exceed 37 kgs and dimensions should not exceed 57x82x45cm (WxHxD). • The unit must have Safety Requirements for Electrical Equipment for measurement, Control, and Laboratory Use - Part 1: EN61010-1: 2001, General requirements Following the provisions of Directives 73/23/EEC (Low Voltage) and 89/336/EEC (EMC) as amended by 93/68/EEC (CE Marking). <p>The system should be complete with license free image acquisition and analysis software.</p> <p>Acquisition Software –</p> <ul style="list-style-type: none"> • The software should be CFR compliant. • It should give various options to user to select the Epi light source, trans light source, applications, stains/dye selection, protocols selection etc. for better results. • Dynamic Field Function should be there based on powerful algorithms which corrects for uneven illumination from the light source. This results in an image with a flat, even background whilst maintaining GLP compliance. • The acquisition software should give full control to the user to select the exposure and manual capture. • The images after capturing can be enhanced, edited and should be transferred to the provided analysis software for further analysis. <p>Analysis Software –</p> <ul style="list-style-type: none"> • License free software should be provided to run in a standard windows environment and provides an application driven and time- 				
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	<p>saving workflow for running a variety of life-science applications.</p> <ul style="list-style-type: none"> • The software should have option to select the sample format, sample type, matrix type, dye type and lighting type which gives user the complete access. • The analysis software automated lane and band detection, pre-loaded DNA ladder standards; simple quantification and automated report creation; perfect in a GLP environment. • It should have a 3D view control too. • The software provided should be able to perform 1D gel analysis, MW/BP calculation, Colony counting, Adding molecular weight & ladders, Band matching with dendrograms, Spot and slots blots, Band quantification (automatic and manual). • The gel window should be divided in to 4 portions showing image with lanes and bands, peaks molecular weight tables, and curve for easy identification. • It should create dendograms showing relationships between matched tracks. • The software should give to match peaks on different tracks. • Software should be automatic as well as should give complete control to the user to create configurations, band selections, lane creation and reports generation. • There should be a separate option in the software for analysis of high throughput gels. Here too it should give automatic results as well user control to select the bands and their width to check with or without backgrounds. • It should include colony counting with options for different analysis types & sizes, frame adjustments, sensitivity selection, class split and showing counts. • Automatic and manual band quantification is must, and should include raw volume, % of raw volume, Calibration quantity, background level, mean pixel value, radius etc. • It should have Spot blot analysis where user can choose from different analysis types, spot types and image types. • Image output options should be JPEG, PNG and TIFF. • It should allow user to export data to image files, excel or word format. 				
<p>Above mentioned price must be include GST, Transportation and other charges if applicable</p>					

Gross Total Amount: Rs. (Including 5% GST and Transportation charges)

Gross Total Amount: Rs. (Including 18% GST and Transportation charges)

We agree to supply the above mentioned item in accordance with the technical specifications for a total contract price of Rs including 5% GST and/or including 18% GST (Amount in figure) (Rs..... including 5% GST / including 18% GST (amount in words) within the period specified in the Invitation for Quotation.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery. We hereby accepted Terms and Conditions (Dully sign accepted)

Signature of Supplier
Seal/Stamp