PERIYAR UNIVERSITY

SALEM- 636011, TAMIL NADU

NAAC **A** Grade -State University- NIRF Rank 90

Ref.No.PU/R/PL&D3/Biotech/5125-I/2018Date: 04.02.2019

TENDER NOTIFICATION

Sealed Tenders are invited by the Registrar, Periyar University, Periyar Palkalai Nagar, Salem – 11 for the **Purchase of Gel Documentation Unit andELISA Reader for DST "FIST-Program" Project in the Department of Biotechnology** from reputed firms.

The detailed tender documents with specifications terms and conditions etc., can be downloaded from the University website **www.periyaruniversity.ac.in**. The last date for receipt of the tender in this office is **20.02.2019 at 2.00 p.m.**

TENDER SUMMARY

Tender Ref. Number	PU/R/PL&D3/Biotech/5125-I/2018, Date: 04.02.2019
Tender Document Cost (Rs.) (Downloadable One)	Rs. 3360/- [(Demand Draft drawn in any Nationalized bank in favour of the Registrar, Periyar University, payable at Salem) [(Separate DD)]
Amount of EMD (Rs.)	1% of the quoted value [(Demand Draft drawn in any nationalized bank in favour of the Registrar, Periyar University, payable at Salem) [(Separate DD)]
Tender Cover Submission	upto2.00 p.m. on20.02.2019

REGISTRAR i/c

PERIYAR UNIVERSITY

SALEM – 636011, TAMIL NADU, INDIA

NAAC **A** Grade -State University- NIRF Rank 90

From	To
The Registrar Periyar University Periyar Palkalai Nagar Salem – 636 011.	

No.PU/R/PL&D3/Biotech/5125-I/2018 **Date:**

NAME OF THE SUPPLY: **Purchase of Gel Documentation Unitand ELISA Reader for DST - "FIST Program" Project in the Department of Biotechnology**

Tender Conditions

01) Sealed tenders will be received by the Registrar upto**2.00 p.m. on 20.02.2019** for the **"Purchase of Gel Documentation Unitand ELISA Reader for DST - "FIST Program" Project in the Department of Biotechnology"** asper the specifications given in the tender schedules.

02) The tender shall be submitted in sealed cover superscribed as "**Tender for Purchase of Gel Documentation Unitand ELISA Reader for DST - "FIST Program" Project in the Department of Biotechnology"** for use of Periyar Universitydue on **20.02.2019 at 2.00 p.m**.

03) If the last day fixed for the receipt of tender happens to be a holiday tenders will be received on the next working day upto 2.00 p.m.

04) Each tender shall accompany with an**Tender Document Cost of Rs. 3360/-.** The Tender Document Cost in the form of the Demand Draft drawn in any nationalized bank in favour of the **Registrar, Periyar University, payable at Salem.** (Separate DD)

05) Each tender shall accompany with an **EMD at 1% of the Instrument Value**. The EMD in the form of the Demand Draft drawn in any nationalized bank in favour of the **Registrar, Periyar University, payable at Salem.** Tenders without E.M.D. will be summarily rejected. E.M.D. will not carry any interest.

06) **Tenders received late will be returned to the tenderer unopened.**

07) The entries in the tender schedules shall be as for as possible without scoring and corrections and over writings and shall be legible. The unavoidable correction or scoring shall be attested by full signature of the tenderer. The tenderer should sign on each page of the tender document.

08) **In the tender schedule, the tenderer should quote his rate and tax for each item separately in figures and words in the corresponding column.**

09) If the rates quoted in the schedule differ in words and figures, the lowest quoted rate will be taken.

10) No revision of rates will be accepted. Rates quoted shall be firm.

11) The rates quoted shall be for delivery at University Campus inclusive of charges such as packing and forwarding. Discount if any should be indicated prominently. The tenderer is solely responsible till delivery in good condition.

12) **The tenderer should produce the materials as per the specifications given in the tender schedule.**

13) Tender shall be submitted only in this official form and the tenderer should sign on each page of the tenderer enclosed without any omission. Tenders with price variation will not be accepted.

14) The tender shall be valid for a period of One year from the date of opening. Tenderer should not withdraw his tender after the tenders are opened. In case the tender is withdrawn after opening, the E.M.D. will be forfeited.

15) The E.M.D. of the unsuccessful tenderers will be refunded on theirrequest immediately after the disposal of tender by the competent authority.

16) **The successful tenderer shall also furnish security deposit at 2% of the value of the order. The Security Deposit will be refunded after one year from the date of supply of materials.**

17) In case of failure by the tenderer to supply items demanded within the period prescribed, the Registrar shall have the power to purchase from others in lieu of rejected or not delivered goods, the excess cost and expenses will be worked out and recovered from the tenderer.

18) Successful tenderer should execute an agreement on stamp paper to the value of `20/- within seven days from the date of receipt of intimation about acceptance of the tender. Failure to execute the agreement in the stipulated time will entail in forfeiture of the E.M.D.

19) Any dispute arising out of this contract shall be settled only on the court having jurisdiction of Salem.

20) The authority competent to accept the tender reserves the right to reject the tender without assigning reasons thereof.

21) Regarding the acceptance of supply with reference to the specifications and quality of materials supplied, the decision of the Registrar shall be final. The rejected materials should be removed within 15 days at Tenderer's cost.

22) This University's General rules for the supply of the materials and works will apply on this purchase also.

23) The goods should be supplied within 15 days of the receipt of order.

24) If the tenderer fails in the due performance of his supply within the time fixed, the tenderer is liable to pay as liquidated damages upto 2% per month for the supply value of such portion of the materials as have not been delivered.

25) The tender schedule is not transferable and it should be used only by the tenderer to whom it is officially issued.

26) Percentage of payment to be withheld for the effective performance of the contract, provided that withheld amounts do not exceed ten percent of the total value of contract.

27) The cost must include the warranty maintenance for 5 years from the date of intallation.

28) Complete address of the firm including year of establishment, Phone No., Fax No., E-mail address etc., may be furnished.

29) The tenderers shall be responsible for erection & installation of the equipment at destination site and for making it fully operational. Payment and terms and conditions if any for the same would be specified by the tenderer separately.

30) Canvassing in connection with tender/quotation is strictly prohibited.

31) The tenderer should produce solvency certificate at the time of submitting tender form.

32) List of details of works executed and list of customers shall be attached.

33) The Company TIN/GST/PAN/CST Numbers must be mentioned in your Quotation.

This tender is submitted subject to agreeing to the above conditions.

Details of Tender Document Cost (DD) Enclosed

S.No.	Demand Draft No. / Date & Name of the Bank	Amount

Details of EMD Enclosed

S.No.	Demand Draft No. / Date & Name of the Bank	Amount

TENDER SCHEDULE

Purchase of Gel Documentation Unitand ELISA Reader for DST - "FIST Program" Project in the Department of Biotechnology

The quantities given below are approximate and are likely to be increased/reduced.
The rates should be quoted for the brand mentioned only.
The rates should be inclusive of all taxes. Taxes must be exhibited separately in the bill. If not, deduction of tax(GST) will be made at the final payment.
The Unit rates noted below are those governing payments.
The rates quoted are for delivery at the University Campus

Sl. No.	Description of the Equipment	Qty.	Rate in Rs.	Amount in Rs.
1.	Gel Documentation Unit	1 No.		
2.	ELISA Reader	1 No.		

Specfications enclosed as Annexure

Annexure

Sl. No.	Description of the Equipment
1.	**Gel Documentation Unit** Technical Specification • Quick and accurate gel and blot imaging and analysis • Automated, hands-off routines that require no training • The software can save and recall all the steps in the workflow for repeatable and reproducible results • System optimization at setup, which provides image data that are always accurate, reproducible, and free of imaging artifacts • A wide range of applications with special accessories that preserve sample integrity for downstream research while ensuring user safety • Comprehensive, automated, quantitative analysis of protein and DNA samples in seconds Reports with customized and organized data • Quick publication-quality results • Focused images at all times, regardless of zoom level or sample position • Appropriate, automatic, and consistent flat fielding correction of image data for every application • Automatic correction of imaging artifacts **Applications** Chemiluminescence : No Fluorescence* : Yes (stain-free imaging* and UV-excitable dyes)*requires Bio-Rad stain-free gels Colorimetry/densitometry : Yes Gel Documentation : Yes (FlamingoTM, OrioleTM, SYPRO Ruby, Coomassie, Fluorescent Orange, or Krypton Stains; ethidium bromide, GelGreen, Gel Red, SYBR® Safe, SYBR® green, or SYBR® Gold dyes; Bio-Rad stain-free gels) **Hardware Specification** Maximum sample size 11.2 x 15 cm (4.4 x 6 in) Maximum image area 11.2 x 15 cm (4.4 x 6 in)

	Excitation source	Trans UVB (302 nm)
	Illumination control	2 modes: Trans-UV, Trans-White UV tray: 280-400 max 300 nm Blue tray: 430-460, max 440 nm White tray: visible spectra Stain-free tray: requires Bio-Rad stain-free gels
	Detector	CCD
	Image resolution	1392 x 1040 pixels (1.4megapixels)
	Emission filters	Tray-based
	Dynamic range	>3.0 orders of magnitude
	Pixel density (gray levels)	4,096
	Dynamic flat fielding	Yes
	Instrument size (L x W x I-I)	43 x 28 x 38 cm (17 x 11 x 15 in)
	Instrument weight	7.3 kg (16 lb)
	Operation Range	
	Operation Voltage	110/115/230/240 V AC nominal
	Operation temperature	10-28°C (21°C recommended)
	Operating humidity	<70% noncondensing
	Automation Capability	
	Workflow automated selection:	Application-driven; user-selected or recalled by a protocol
	Workflow automated execution	: Controlled by a protocol via application-specific setup for image area, illumination source, filter, analysis, and reporting
	Workflow reproducibility:	100% repeatability via recallable protocols, from image capture to quantitative analysis and reports
	Autofocus (patent pending)	Precalibrated focus for any zoom setting or sample height
	Image flat fielding	Dynamic; precalibrated and optimized per application **U. S. patent 5,951,838
	Auto-exposure	2 user-defined modes (intense or faint bands).
	Computing output accessories:	Desktop Computer with Gel Doc software compatibility with operating system Windows 7 & 10 (32 Bits & 64 Bits)

2.	**ELISA Reader**	
	Technical Specification	
	Light source	Quartz-halogen lamp 6V/1
	Wavelength range	340 – 850 nm
	Filters	8-position filter wheel, the instrument is delivered with the following standard filters installed: 405 nm; 450 nm; and 620 nm. Additional filters can be ordered separately.
	Half-bandwidth of filters	3 – 9 nm
	Read-out range	0 – 6Abs
	Linearity (96-well plate)	0 – 3 Abs, ± 2% with normal mode 0 – 3 Abs, ± 2% with fast mode
	Resolution	0.001 Abs
	Accuracy (405 nm)	± 1% or 0.003 Abs, whichever is greater (0 – 2 Abs), ± 2% (2 – 3 Abs)
	Precision (405 nm)	CV ≤ 0.2% (0.3 – 3 Abs), CV ≤ 1.0% (3 – 4 Abs), normal mode
	Measurement speed	< 6 s, 96-well plate < 12 s, 384-well plate
	Optional incubator	Temperature range from ambient + 4° C up to 50° C
	Shaking	Linear shaking with three modes: slow, medium and fast
	Robotic compatibility	Yes
	Keypad and display	High contrast colour display (480 x 272 dots and 256 colours)
	User interface	Internal software or PC control with SkanIt Software
	Internal memory	At least up to 100 assay protocols and 100 test results, 96-well plate
	External printer type	HP PCL5 Communication, USB for computer connection, USB memory stick position for data export, USB for external printer.
	Mains input	100 – 240 V (50/60 Hz)
	Power consumption	Max. 100 W, standby 8 W
	Overall dimensions	ca. 210 mm (H) x 290 mm (W) x 400 mm (D)

	Weight	Weight 8.5 kg [18.7 lbs.]
	Safety specifications	Fulfils the following safety regulations: RoHS (Restriction of Hazardous Substances), CE mark, 2002/96/EC (Waste of Electrical and Electronic Equipment), FCC Part 15, Subpart B/Class B (July 2004)