

THE GANDHIGRAM RURAL INSTITUTE
(Deemed to be University)
Gandhigram – 624 302 - Dindigul District- Tamil Nadu.
(Ministry of Education, Govt. of India)
Accredited by NAAC with ‘A’ Grade (3rd Cycle)

DEPARTMENT OF BIOLOGY

Dr. M.R. RAJAN
PROFESSOR & HEAD



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Ref: Bio/2023-2024/

Date: 31.08.2023

To
The Companies concerned

Sir/Madam,

On behalf of the Gandhigram Rural Institute (Deemed to be University), Gandhigram, sealed bids / quotations / tenders are invited from the Registered / Reputed Suppliers, competitive quotation is invited towards purchase of **ELISA Reader and Washer** for the use of Department of Biology, the Gandhigram Rural Institute (Deemed to be University), Gandhigram – 624 302, Dindigul, Tamil Nadu.

Name of the Item with specifications		Additional specification
ELISA reader and washer specifications		
Performance parameters:		
Application	ELISA reader and washer – Semi automated platform for ELISA which detects/ measures the presence / concentration of an Antibody or Antigen in Sample	1. Programmable washing time, volume and soaking time 2. Elisa Reader and washer shall be adjustable for different micro plate geometric 3. Design of Elisa reader and washer should eliminate overfilling and contamination 4. USB Port 5. RS 232 port
Type of Reading	Plate	
Type of model	Bench Top	
Computer System	The system supplied with compatible OS and analysis software	
Method of assay	Semi Quantitative and Quantitative	
Reader specification:		
Detection Method	Absorbance	1. Automatic filter selection 2. Variable speed and plate/strip shaking capability
Wavelength range in nm	400 – 750	
Light Source	LED	
Standard Filter	405,450,492,630 nm with provision to add three more filters and automatic filter selection	
Reading Speed	96 wells/ 30 seconds	
Dynamic range in OD	0 to 4.0	
Number of samples at Time	96	
Capability of reading maximum number of assay / Test per batch	8-12	
Read Method/Mode	End point, Kinetic and area scanning under computer control	
Curve fit Modes	LIN/LIN,LIN/LOG,LOG/ LOG, Auto curve	
Blanking facility	Air wise, Well wise	
Wells Reading Capability	U or V bottomed micro plates	

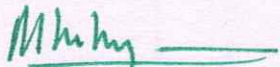
Washer Specifications		
Wash cycle	0-6	1. Availability of low buffer alarm 2. Removable and autoclavable plate carrier 3. Non pressurized bottle to minimize the risk of spillage 4. Substitute bottle of different size 5. Wash bottle with full bottle alarm 6. 8-12 Bottle channel manifold, all tubing sets, wash, rinse and waste bottles maintenance kit to be provide
Residual volume in ul/well for solid bottom plate washing	8	
Washer buffer capacity in liters	2	
Soak time in hours	1	
Capability to wash plates	Flat. U or V Bottom micro plate	
Fluid delivery Method	Internal positive displacement syringe pump	
Washer manifold	8 or 12 way manifold	
Process security		
Data processing	Semi quantitative, quantitative and qualitative	1. Interfacing with computer include desktop PC running windows based OS 2. Plate reading and data analysis software 3. Two sets of manual and technical maintenance manual in original to supplied

Terms and conditions:

4. The rate should clearly indicate the unit / numbers.
5. The rate should include GST and also packing and forwarding charges.
6. The period up to which the materials / equipments are guaranteed / warranty period Should be indicated separately.
4. The amount chargeable as Annual Maintenance Charges (AMC) after guarantee / Warranty period.
5. The nearest service point should also be indicated in the offer.
6. The offer should be as far as possible from ready stock.
7. Where the offer is not from ready stock, the period before which supply will be effected should be indicated.
8. The mode of payment should be specified.
9. Mentioned GST No. / PAN. No. in your quotation. The price quoted should be in Net (including freight charges if any).
10. Payment will be made only after receipt of items and duly certified by the officers concerned / within a week of the satisfactory completion of the work.
11. Validity of offer should be normally for 30 days from the date of the offer. If otherwise, the period should be specifically mentioned in the offer.
12. Quotations should be addressed to:

**The Registrar,
 Gandhigram Rural Institute (Deemed to be University),
 Gandhigram – 624 302.
 Dindigul District , Tamil Nadu.**
13. The Hard copies of the quotations should be sent in a sealed envelope should be superscripted as “Quotation for purchase of ELISA reader and washer for the Department of Biology and sent to:

**The Head,
 Department of Biology,
 Gandhigram Rural Institute (Deemed to be University),
 Gandhigram – 624 302.
 Dindigul District, Tamil Nadu.**
14. The quotation will be **received up to 03.00pm on or before: 19.09.2023.**
15. The quotation will be **opened at 04.00pm on 20.09.2023** in front of vendors.


 (Dr. M.R. RAJAN)
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