
 <p>भा.कृ.अनुप ICAR</p>	<p>पादप कार्थिकी संभाग DIVISION OF PLANT PHYSIOLOGY भा.कृ.अ.प.—भारतीय कृषि अनुसंधान संस्थान ICAR-Indian Agricultural Research Institute नई दिल्ली—110012 (भारत) NEW DELHI - 110 012 (INDIA)</p>	 <p>भारतीय कृषि अनुसंधान संस्थान IARI 1960</p>
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फाईल संख्या: 21-12/AIC/SPRS/24-25/SFC

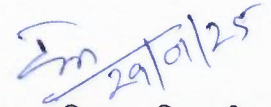
दिनांक.: 29-01-2025

**GeM के माध्यम से ई-खरीद हेतु सूचना**  
**NOTICE FOR E-PROCUREMENT THROUGH GeM**

Online GeM e- bid are invited from reputed Manufacturere/Supplier/Authorized dealer in two bid system (Technical and Financial) for purchase of scientific equipment **Surface Plasmon Resonance System with Accessories, Qty. 01 No.** for Agricultural Innovation Centre on behalf of Director, ICAR-Indian Agricultural Research Institute, New Delhi. Please visit [www.iari.res.in](http://www.iari.res.in) for details Rules and Regulation and log in [www.gem.gov.in](http://www.gem.gov.in) for online e-bidding.

जैम बिड का विवरण निम्नलिखित है / Details of Gem Bid are as follows:

जैम बिड संख्या / GeM Bid No.	GEM/2025/B/5882815
बिड जमा करवाने की तिथि एवं समय / Bid Submission start date and time	29-01-2025
बिड बंद होने की तिथि एवं समय / Last Date & Time for submission of bid	28-02-2025 15.00
बिड खुलने की तिथि एवं समय / Date & Time for opening of Technical Bid	28-02-2025 15.30
प्री बिड बैठक की तिथि एवं समय / Date of Pre-Bid meeting	10/02/2025 at 15:00

  
सहायक प्रशासनिक अधिकारी  
Asstt.Admn.Officer

## Specifications for Surface Plasmon Resonance System with accessories

1	<b>Detection Technology:</b> Surface Plasmon Resonance (SPR) or Grating-Coupled Interferometry (GCI).
2	<b>Applications:</b>
A	Kinetic and affinity measurements.
B	Assays involving small molecules, proteins/DNA/RNA/polysaccharides /lipids and cells.
C	Compatibility with crude samples, serum, and organic solvents.
3	<b>Data Presentation:</b> Real-time interaction analysis or real time monitoring with options for kinetic and affinity data.
4	<b>Sensitivity:</b> System should be highly sensitive for reliable detections or fragment binding sensitivity.
5	<b>Temperature Control:</b> System should have sample analysis temperature control 4-30°C or better.
6	<b>Sample Handling:</b> SPR System should have the capability of (8 samples or more) run per cycle.
7	<b>Flow Channels:</b> SPR system should have flow channels for minimum two flow cells or better.
8	<b>Association Rate Constant (ka):</b> System should have the association rate constant for kinetic rate analysis: $10^3 - 10^7 \text{ M}^{-1}\text{s}^{-1}$ or better.
9	<b>Dissociation Rate Constant (kd):</b> System should have the dissociation rate constant for kinetic rate analysis: $10^{-5} - 10^{-1} \text{ s}^{-1}$ or better.
10	<b>Automation:</b> SPR System should have automation of unattended operation for at least 24 hours or better.
11	<b>Sample and Buffer Handling:</b> SPR System should support injection volumes of 5–90 $\mu\text{L}$ or better.

12	<b>SPR system should have In-line degasser.</b>
13	<b>Software Features:</b>
A	Software should provide monitoring/data analysis/efficient data analysis.
B	Software should have automated features.
C	Software should have guided workflows or wizards for assay setup.
14	<b>Data Export:</b> System should have the compatibility with Excel files and report generation tools.