

DIVISION OF GENETICS
ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE NEW DELHI-110012
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File No. Gen/2022-23/31

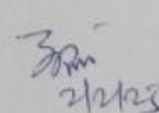
Dated: 02/02/23

E-PROCUREMENT THROUGH GEM TENDER NOTICE

On behalf of Secretary, ICAR/Director, ICAR-IARI, PD/Head/In—Charge, Division of Genetics invites online e-tenders through Gem Portal under custom bid system for purchase of the microplate reader (Spectrophotometer) 01 Nos. at DIVISION OF GENETICS , I.A.R.I., NEW DELHI-110012 , if necessary as per requirement in the interest of ICAR-IARI, subject to satisfactory performance of the Vendor and its willingness to continue on existing terms and conditions, as per requirements.

1. Tender Schedule:

Tender No.	Gem/2023/B/3067828
Date of release of tender through Gem portal	02/02/2023
Bid submission start date & time	02/02/2023 11:00AM
Last date & time for submission of bid	23/02/2023 11:00 A.M
Date & time for opening of technical bid	23/02/2023 15:30 AM
Cost of estimated bid value (in Rupees)	1500000/-
Address for Communication	Asstt.Admn.Officer, Division of Genetics, IARI, Pusa, New Delhi.12


सहायक प्रशासनिक अधिकारी/Assistant Administrative Officer
आनुवंशिकी संभाग/Division of Genetics
भा.कृ.अनु.प.-भारतीय कृषि अनुसंधान संस्थान
ICAR-Indian Agricultural Research Institute
नई दिल्ली/New Delhi-110012

Absorbance / Photometry:

- Measurement range in Photometry: 200-1000nm
- Linear measurement range in photometry:
0-4Abs at 450 nm, ±2% (96-well plate) and
0-3Abs at 450 nm, ±2% (384-well plate).
- Instrument should have on-board pathlength correction for direct quantification.
E.g. Nucleic acids and proteins.

Computer System for data processing

- Branded PC (HP/DELL), Intel Processor, dual core, speed >3.0 GHz.
- Operating System: Microsoft® Windows 10 Professional, 64 Bit.
- Memory: 8GB, DDR.
- Keyboard: 104 Key, USB Interface
- Mouse: Optical Mouse, USB Interface
- Video Card: Integrated card with min resolution 1440*900 Resolution
- Monitor: LCD, 19inch, 6:9 wide screen, min 1440*900
- Hard Drive: 250GB and above, SATA Interface
- Optical Drive: 16X DVD RW, SATA Interface
- Network Interface: 10/100 Base-T with RJ45 Socket- 2 Nos.
- Colour Laser Printer any make with USB interface.

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Safety Features:

- Orbital Shaking with adjustable timing, speed and diameter. Automatic safety control based on the shaking speed and plate format to avoid spilling of the liquid from wells.
- Database based software to run backups of all data, restore back up data (in case of hardware failure of original computer).
- No loss of already measured data even in case of power failure.
- Option for on-board dispensers, dispensing volume should be 1µl to 10,000 µl



Dr. K. K. Vinod
Principal Scientist
ICAR-Indian Agricultural Research Institute
New Delhi-110012

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Dr. Prabhu Kumar Bisht
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Dr. Harsha Bhatnagar
Division of Genetics
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with 1ul increments. Automatic safety control based on maximum well volume.

Data Analysis Software:

- Analysis software should be supplied with the instrument and has unlimited user system license.
- Software should have Inbuilt calculations, such as Blank Subtraction, Quantitative Curve Fit, Qualitative Classification, Spectral Analysis and Kinetic Calculations, as well as a comprehensive reporting tool.
- Both measured and calculated data can also easily be exported to other systems like Microsoft Excel for further data handling.
- User should be able to load the software in to multiple computer systems for data analysis.
- Software should have option for area selection . i. e different protocols at different area of the same plate.
- Database based software to run backups of all data, restore back up data (in case of hardware failure of original computer).
- Spectral scanning of all 96 samples or 384 samples should be able to view in single graph plot.

Pradyum
 डॉ. प्रदीप कुमार शर्मा / Dr. Prady Kumar Bhowmick
 आचार्य/Scientist
 Division of Genetics
 ICAR-JAARI, Pusa
 नई दिल्ली-110012

Harsha
 डॉ. हार्शा बोल्लिनेच्छी / Dr. Harsha Bollinecthi
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K. K. Vinod
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