

उद्यानिकी महाविद्यालय, दुर्गापुरा, जयपुर

वित्तीय तुलनात्मक निविदा विवर्णिका

इस कार्यालय की निविदा क्रमांक एफ. ()श्रीकनकृविवि/उद्या.महा./स्टोर/2025/1254 दिनांक 14.05.2025 द्वारा Lab equipments (Single Beam Atomic Absorption Spectrophotometer) खरीदने हेतु प्राप्त वित्तीय बोलियां आज दिनांक 11.06.2025 को 11.00 बजे निविदा समिति द्वारा खोलने की कार्यवाही की गई तत्पश्चात् तुलनात्मक विवर्णिका तैयार की गई जो निम्नानुसार है :-

S.No	Items with Specifications	Qty	Hitech Biochemical Corporation, Jaipur	Metro Trading Corporation, Jaipur	Vedant Sales Corporation, Jaipur	Motras Scientific Instruments Pvt. Lt., Manesar, Gurugram
1.	Single Beam Atomic Absorption Spectrophotometer Monochromator type: Czerny-turner Detector Type: Photo Multiplier Tube (PMT) Source Wavelength – Minimum 190 nanometer Source Wavelength –Maximum 900 nanometer (Automatic positioning) Wavelength Accuracy: (+/-) 0.2 nanometer Repeatability: 0.05 to 0.1 nanometer Baseline Drift: 0.004A/10 min Air Compressor: Oil-free air compressor for AAS Administrator and User Login: Yes (UP to 5 users) Diffraction grating (lines/mm): 1800 Wavelength setting and scanning: Automatic Slit width Adjustment Automatic Slit width range(nm): 0.2 – 1.2 nm automatic positioning; Resolution (nm/mm): 0.1 parts per million Light Source: Hollow Cathode Lamp (HCL) Type of HCL: Single Element Number of Single element HCLs supplied (inclusive in the scope of supply): 4 Measuring modes (K factor and standards): Transmittance, Absorbance, Concentration (Wavelength, time), Emission Detectable Elements using single element HCL: Cu, Fe, Zn, Mn Measurement level: %, ppm level Lifespan of Single element lamp (mA-Hr): 4000 Characteristic concentration (CC): 0.025µg/ml for Cu Servo voltage stablizer (5 KVA): 1 Printer: 1 Number of sockets on Turret: 4 and compatible with other minor element lamps. Automatic Burner diameter (mm): 100 Corrosion resistant Chamber: Yes	1	900000.00 + 162000 (18% GST) = 1062000.00 (Model – Systronics)	875000.00 including GST= 1032500.00 (Model – Systronics-AAS271)	844068.00 including GST= 996000.00 (Model – Systronics-AAS271)	819950.00 + GST 147591.00= 967541.00 (Model Motras Scientific – AAS plus Brand Motras)

Adjustable aerosol based nebulizer flow: Yes Time for analysis (sample): 20 second GENERIC; Display through PC or standalone; Display type : LED touchscreen or inbuilt display Test result printing: Through external printer, Connectivity USB, WIRELESS, WIFI, RS 232, Blue tooth, N/A, Safety sensors Pressure sensor, Flame Sensor, Flame Ignition Sensor, Burner interlock, N/A, Power failure protection Flame and furnace change over switch : Automatic Burner movement (lateral, horizontal & height) Automatic/manual Compatible with any PC with printer - Yes Type of gas cylinders : Acetylene Number of Regulators Supplied (inclusive in the scope of supply): 1 Number of Cylinders supplied (inclusive in the scope of supply): 1 (Acetylene) Capacity of each Acetylene cylinder with regulator (Litres): 40 Gas cylinders confirming to IS : latest with certificate Safety Features : Flame monitor sensor, Air pressure monitor, Power failure protection, Auto gas cut-off, nebulizer sensor and gas leak sensor should be inbuilt in the instrument Note : In future Vapor/Hydrite generator can be attach with this AAS and also compatible for analysis of heavy elements. Other accessories (inclusive in the scope of supply) : Fume hood with blower, Schematic diagram and instruction manual etc. Standards of each micronutrients – 1set Installation and demonstration - Yes Warranty : 1 Year on Instrument AMC : 2 Year after warranty on free of cost.				
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उपरोक्त तुलनात्मक विवरणिका तैयार करने के पश्चात् गठित निविदा समिति द्वारा पाया गया कि मैसर्स— Motras Scientific Instruments Pvt. Lt., Manesar, Gurugram की दर अन्य फर्मों की दरों से कम पाए जाने के कारण मैसर्स Motras Scientific Instruments Pvt. Lt., Manesar, Gurugram से उपर्युक्त प्रयोगशाला सामान क्रय करने की अनुमति करती है जिसे लाल गोले से चिह्नित कर दिया गया है।

Anu

(डा० अशोक चौधरी)
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संयोजक

Vijay

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पुस्तकालयाध्यक्ष एवं
सदस्य

Suresh
11/06/2025

(डा० सुरेश चन्द्र शर्मा)
सहायक कुलसचिव एवं
सदस्य

Suresh Kumar
11/06/2025

(सुरेन्द्र कुमार)
प्रयोगशाला सहायक एवं
सदस्य

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Suman
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(~~डा०~~ सुमन लता)
वित्त नियंत्रक प्रतिनिधी

श्रीमान अधिष्ठाता को अवलोकनार्थ एवं अनुमोदनार्थ प्रस्तुत है।

Approved
Beary
12.6.2025