



गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ0ग0)

(A Central University established by the Central Universities Act, 2009 No. 25 of 2009)
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No. 501/ Store/LTI-PHY/2013

Bilaspur, Date:15/7/2013

Limited Tender Enquiry

To,

Subject:- Limited tender enquiry .

Please quote your competitive rates for supply & installation of the articles as mentioned below in the prescribed proforma Annexure -1 so as to reach to the office of Head, Pure and applied Physics, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur – 495009 (C.G.) on or before 08/08.2013 upto 3.00 PM through Speed post/Registered post/Courier only. The Sealed quotation must be submitted by registered vendor of GGV, Bilaspur only.

| Item No. | Instrument with Specification | Qty. |
|----------|--|------|
| 1. | Residual Gas Analyzer (RGA) Mass Range : 1 to 100 amu Mass Filter Type: Quadrupole Mass analyser Detector Type: Faraday Cup or a better system Resolution : Better than 0.5 amu @ 10% peak height Adjustable to constant peak width throughout the entire mass range Sensitivity (A / Torr) : 2×10^{-4} Minimum detectable partial pressure: 10^{-10} Torr Operating Range : 10^{-4} Torr to UHV Probe Mounting Flange: 2.75" CF Indicators: LED indicators for operational conditions Power Input: 240 V, +/- 5%, AC, 50 Hz Software: Windows based application software Warranty: At least One year onsite warranty, Support after the warranty period Display Modes : Numeric , Bar Graph, Pressure vrs. Time Analog I/O: 4 configurable analog ports No. of Channels: 8 channels with programmable setpoint, polarity, hysteresis, delay, audio signal and text messages. Input Signals: Total pressure (CM Gauge), partial pressure (RGA), voltage (analog I/Oports), time (internal clock), TTL and gauge status. Output Signals: Relay & TTL level Interfaces: RS-232, USB, GPIB and Ethernet Documentation: Operation Manual and detailed documentation | 1 |
| 2. | Oscilloscope Analog Channels : At Least 4 Digital Channels : At Least 16 Bandwidth: 100 MHz Sampling Rate : Better than 2 GS/sec Record Length : Better than 5 M points Connectivity: USB Host, USB device, LAN, Video out, GPIB Software: PC Communications software, LABView Signal Express, Serial Bus : Standard Features, RS 232/422/485 Warranty: Onsite Warranty for at least one year With AC Probe Specifications: 1000:1, | 2 |

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|-----|---|----|
| | Input resistance 100 mega-ohm, Input capacitance ~ 3 pf, Max input voltage 20 kV) | |
| 3. | Picoammeter Current range: 1 pA-1 mA Ranging: Automatic and manual Display: Five and Half digit Accuracy: Better than 0.5% Operating voltage: 210-240 V AC | 01 |
| 4. | Vacuum Cleaner Operation: 230V AC. 50 Hz Maximum Input Power: More than 1000 w Suction: More than 15000 pascals Wet and dry cleaning with attachment | 01 |
| 5. | Megohm Meter (500 V) Range 0.1MΩ -10 GΩ Test voltage 1000V Auto Discharge | 2 |
| 6. | Line cable tester Sensitive to magnetic field, Battery operated, LED display | 2 |
| 7. | Multi meter (digital) At least 5 $\frac{1}{2}$ digit, measure AC/DC voltage, AC/DC current, Accuracy better than 0.1%, current range 0-10 A, voltage 1000V Resistance 100MΩ, resistance measurement sensitivity- 1 mΩ | 2 |
| 8. | Desktop Computer Processor: Intel Core i5 processor Operating system: Windows® 7 Home Premium 64 RAM: 4GB Hard Drive Capacity: more than 500GB Controller Interface type: SATA Warranty support: 1 Year Graphics: Onboard Graphics System Display: 18.5" LED display Regular accessories: Wireless mouse, keyboard etc. | 6 |
| 9. | Printer Laser printer- Black & white All model and make | |
| 10. | Computer - Workstation: Intel Xeon E-3 processor based workstation CPU: Intel Xeon E3-1240/1245, 3.3 GHz, 8 MB L3 Cache Chipset & Motherboard: Intel C-206 Chipset on intel/OEM motherboard Memory: 16 GB (2 X 8GB) Hard Disk Drive: 320 GB SATA Storage controller: Integrated 4 channel serial ATA controller with RAID Graphic Card: 512 NIVIDA Quadro 400, 512 MB or ATP Firepro V2270 Keyboard: Standard Mouse: Optical PCI Slots: 4PCI/PCI Express Bays: Total 4 bays with minimum 2 internal and 1 external Ports: 6 USB 2.0, rJ-45, audio in, audio out, mic. In Cabinet: Mini tower Optical Drive: 8 X DVD writer Networking features: Integrated 10/100/1000 Operating system: MS Windows 7 professional 64 bit OS Certifications: red hat or suse or ubuntu Linux Safety specifications: FCC for EMI and UL for safety Security: Integrated panel lock or pad lock | 01 |

General terms & conditions of the supply

1. The sealed quotation should be superscribed with **“Quotation for supply & installation of Instrument/Equipments.**
2. The Sealed quotation must be submitted by registered vendor of GGV, Bilaspur only.
3. **Quantity:** The quantity mentioned above is indicative and may increase or decrease at the time of placing Purchase Order.
4. Technical brochure/leaflet etc. of the quoted items should be submitted along with the quotation.
5. **Discount, if any:** Special concession/discount applicable for Educational Institutions, if any, must be clearly mentioned at the time of submission of quotation.
6. **Excise duty exemption:** The University is exempted from Custom/Excise Duty by DSIR, Govt. of India vide letter no. TU/V/RG-CDE(710)/2010 dated 19-1-11. The Exemption certificate of the same shall be issued by the University on demand.
7. **If the item is under DGS&D rate contract, the quoted price should not be more than the DGS&D rate.**
8. The rate should be quoted on F.O.R. University Campus, Koni, Bilaspur basis. No packing/forwarding/loading & unloading charges will be paid extra.
9. The article must be delivered without any extra cost at the University and will also have to be installed free of cost.
10. **Validity of rate:** The quoted rate should be valid for a minimum period of 90 days from the date of opening
11. **Delivery period:** The article to be delivered & installed within 30 days from the issue of Purchase Order.
12. **Liquidated Damages:** Any delay in supplying the article from the stipulated date of delivery, will attract LD. Liquidated Damage will be applicable at the rate of 0.5% per week and limited to 10% maximum. The authority reserves the right to cancel the purchase order when LD accumulates to 10%.
13. **Warranty:** One year comprehensive on-site warranty shall be applicable to the supplied goods for all manufacturing defects from the date of satisfactory installation, commissioning, demonstration and acceptance.
14. **Performance Security:** The successful bidder must submit Performance Security of 5.0% of the ordered value, on the goods/services supplied irrespective of the origin, within fifteen days of issue of purchase order in form of Demand Draft /TDR/Bank Guarantee from any Nationalized Bank. Otherwise, the **same amount will be deducted** from the billed amount. On satisfactory completion of the warranty period of 1 year (12 months), **Performance Security** will be released without any interest on demand.
15. **The tender will be opened on same day i.e 08/08/2013 at 4.00 PM in the office of Head, Department of Pure & applied physics of university in presence of tenderer.**
16. **Payment:** 100% payment will be made after supply and installation of ordered quantity of article at our end in good condition. No advance or partial payment request will be entertained.
17. The unit price must be inclusive of all taxes, delivery charges, packing, forwarding, loading and unloading.
18. **CST/VAT** will be paid extra, if applicable provided it is made clear in the quotation.
19. Unsealed quotations will be rejected and quotations must reach on or before the due date through Speed post/Registered post / courier only.
20. University reserves the right to accept or reject any quotation without assigning any reason thereof.
21. The tenderer are requested to visit the university website www.ggu.ac.in regularly for any updates.

Rates of Instrument/ Equipments

Ref.: 501/ Store/ LTI-PHY/2013 dated 15/07/2013

| Items no. | Description/specification of the Minor Equipments | Qty. | Rate | Vat Taxes (if any) | Remark |
|-----------|---|------|------|--------------------|--------|
| | | | | | |

I ----- declare that the price will be valid for 90 days.

Date :

Signature and Seal of Tenderer

Mobile No. -----