

DEPARTMENT OF BOTANY,

GURU GHASIDAS VISHWAVIDYALA, KONI, BILASPUR (C.G.) 495009

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LIMITED TENDER ENQUIRY (Under GFR 151 of 2005)

Subject:- Limited tender enquiry for the supply of Equipments / Instruments for Research Project in the Department of Botany.

Sealed quotations are invited from the registered manufacturers/ suppliers in the University. The competitive rates for the supply and installation of instruments/ equipments with the desired specifications as mentioned ahead Bidder must carefully peruse the general terms and conditions for the supply of the equipment/ instrument'

The sealed quotations with specifications and offer price should reach to Dr. S K. Pandey, P.I. of the Project, Department of Botany, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur-495009 within 21 days from the publication of LTE on University's website through speed /registered post only.

S.No.	Description/Specification of the article	Quantity
01	Name: Dynamic Enclosure systems Description/Specification of the instrument: A. The cuvette system Size: 0.60 m in height, 0.35 m of diameter in cylindrical shape (internal volume of nearly 58 L) made of Teflon (lateral covering as well as outer covering) with 4 PVC rods for connecting the Teflon foil (sheet). Parts: Teflon tape, Teflon coated propeller fan, inlet and outlet ports calibrated rotameter for measuring. B. Mini-pump: 1. Inlet and outlet flow (able to measure flow rate of 100	01

ml/min vacuum pump (mini-pump) having flow rate of 100 ml/min. 2. **Accuracy of constant flow rate**= within $\pm 5\%$ of the set flow rate. 3. **Built-in flow meter**= mass flow sensor. 4. **Pump type** = double diaphragm type. 5. **Display**= liquid crystal display device. 6. **Communications (USB)** = loading and setting by exclusive communications software. 7. **Suction/Exhaust port diameter**= outside dia. 6mm and 8mm (tube used inside dia. 5mm and 7mm). 8. **Operating temperature/Humidity**= 0-40⁰C/ 10-90% RH. 9. **Dimensions**= 108(w) \times 67(d) \times 95(h), including lithium-rechargeable battery. 10. **Weight**= approx. 0.35kg (0.65kg including lithium-rechargeable battery).

C. Temperature control unit

Temperature range: 16 to 27⁰C, **BEE Rating:** Inverter; **Type:** Split; **Noise Level Indoor:** 45 DB; **Noise Level Outdoor:** 41DB; **Inverter AC:** Yes; **Timers:** Yes; **Auto Restart:** Yes; **Remote control:** Yes; **Tonnage:** 1.5

D. Data acquisition System

Processor: Intel Core i7-6500U; Intel[®] HD Graphics 520 (2.5 GHz, up to 3.1 GHz, 4 MB cache, 2 cores) Memory: 16 GB DDR3L-1600 SDRAM (2 x 8 GB); Hard drive: 2 TB 5400 rpm SATA, Operating System; **OS:** Windows: 10 home 64, Display: 15.6" diagonal FHD anti-glare WLED-backlit (1920 x 1080), Graphics: NVIDIA GeForce 940M (4 GB DDR3L dedicated), integrated 10/100 BASE-T Ethernet LAN, 802.11b/g/n (1x1) and Bluetooth[®] 4.0 combo (Miracast compatible), Battery: 4-cell, 41 Wh Li-ion

E. Data output device

Monochrome Laser; **Speed:** Up to 18 / 19cpm (A4 / LTR); **Resolution:** Speed priority mode: 600 x 400dpi - Resolution priority mode: 600 x 600dpi; **Halftones:** 256 levels; **Warm up Time (From Power On):** 10secs. or less; **Recovery Time (From Sleep Mode):** 2secs. or less (Copy) 0.3sec. or less (Print); **First Copy Time (FCOT):** 12.0 / 11.8secs.

(A4 / LTR); **Paper Source:** 150sheet cassette; **Paper Weight:** 60 to 163g/m2 (cassette); **Paper Output:** 100 sheets (face down); **Zoom:** 50 - 200% in 10% increments; **Copy Size:** Platen- Up to A4 / LTR; **Copy Features:** 2 on 1, ID Card Copy; **Copy Memory:** 64MB (Shared); **Printer Type:** Monochrome Laser; **Print Speed:** Up to 18 / 19ppm (A4 / LTR); **First Printout Time (FPOT):** 7.8 / 7.7secs. (A4 / LTR); **Print Language:** UFR II LT; **Print Resolution:** Up to 600 x 600dpi, 1200 (equivalent) x 600dpi; **Print Memory:** 64MB (Shared); **Scan Type:** CIS; **Scan Resolution:** Optical-Up to 600 x 600dpi, Driver enhanced: Up to 9600 x 9600dpi; **Colour Depth:** 24bit; **Document Size Platen:** Up to A4; **Output File Format:** Windows, Hi-Compression PDF, Searchable PDF, PDF, JPEG, TIFF, BMP Mac: PDF, JPEG, TIFF, BMP, PNG; Pull Scan Yes, USB; **Standard Interface:** USB 2.0 Hi-Speed; **USB Function:** Print, Scan; **Compatible Operating Systems:** 1 Windows 8 (32 / 64bit), **LCD Display:** 7 Segment (1 digit) LED; **Dimensions (W x D x H):** 372 x 276 x 254mm (With the cassette closed) 372 x 371 x 254mm (With the cassette opened); **Weight :** w/CRG: 8.2kg w/o CRG: 7.6kg; **Power Consumption:** Max: 960W During Operation: 450W Standby: 2.5W Sleep: Approx.1.4W

F. Pure air gas cylinder

Air, Ultra Pure Carrier Grade, Size 300 Cylinder with pressure/flow control regulator

LIMITED TENDER ENQUIRY

GENERAL TERMS AND CONDITIONS OF THE SUPPLY

1. The sealed quotation be superscripted with "**Quotation for supply of Equipments under Research Project**".
2. **Quantity:** The quantities mentioned (in page-1) are indicative and may be altered at the time of placing the purchase order.
3. **Product Leaflet/ Handbook:** Duly certified copy of the Technical brochure/leaflet etc. of the quoted equipment/ instrument must be submitted along with the quotation, by the bidder.
4. **Authorization Certificate:** It is desired that the bidder submits, self attested authorization certificate from the principal manufacturer, for which the rate has been quoted.
5. **Discount, if any:** special concession/discount (if any) applicable for educational institutions, if any, must be clearly mentioned in the price bid.
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, at the time of supply. Bidder must clearly mention if any basic custom duty/ excise duty etc. is chargeable, in spite of the GGV is exempted by DSIR certificate.
7. If the item is under DGS&D rate contract, the quoted price should not be more than the DGS&D rate
8. **FOR GGV:** The rate should be quoted on F.O.R University campus, Koni, Bilaspur basis. No packing/ forwarding, unloading, transit insurance charges will be paid extra to the bidder by GGV. All extra charges have to be borne by the supplier/bidder only.
9. **No Installation charges:** The Equipment/ Instrument must be delivered, installed and demonstrated without any extra charges from the GGV.

10. Validity of the offered Rate: The quoted rate should be valid for a minimum period of 90 days from the last date of receipt of the tender, as notified.

11. Delivery period: The Equipment/ Instrument, ordered will have to be delivered and installed in the Department at GGV, within 60 days from the issue of the Purchase Order.

12. Liquidated Damages (LD): Any delay in supplying the ordered equipment/instrument from the stipulated date of delivery will attract LD, which 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: At least one year comprehensive on-site warranty shall be applicable to the supplied equipment/instrument for all manufacturing defects from the date of satisfactory installation, commissioning, demonstration by the supplier and acceptance by GGV.

14. Performance security: The successful bidder must submit performance security of 5 % 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 01 year (12 months) or more period as offered by the bidder, Performance Security will be released without any interest on demand.

15. Payment: Bidder should not ask for advance or part payment prior to supply and successful installation. Payment to the firm shall be made, only after the supply in good condition, installation and demonstration of the equipment/instrument at GGV.

16. CST/VAT etc: CST/VAT/OCTROI/ basic custom duty etc. must be clearly mentioned along with the quoted offer, weather to be paid extra or not. GGV shall pay the same as per prevailing government rules, if mentioned in the price bid. No taxes shall be paid if not mentioned in the bid and any correspondence in this regard shall be not entertained after the price bids are opened.

17. Unsealed quotations: Quotation must be sealed properly. Unsealed envelopes/ offers are liable to be rejected by GGV.

18. Offer after due date: GGV shall not be responsible for late postal delivery and any offer received after the due date shall be summarily rejected by GGV. Your Sealed offer must reach on or before the scheduled due date only by the speed/registered post.

19. GGV has all the rights reserved to accept / reject any /all the quotation(s) and not to procure any/all the equipments/instruments, without assigning any reason(s) thereof.

20. The bidder should check the university website www.ggu.ac.in on a regular basis for any updates.

PI of the project
(Dr. Sudhir Kumar Pandey)
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