



OPEN TENDER

Under Two bid system

(GFR 150 AND 152)

Second Call

Guru Ghasidas Vishwavidyalaya, Bilaspur (A Central University) invites Expression of Interest from reputed Original Equipment Manufacturing Companies or their authorized Indian partners/suppliers/distributors to supply various laboratory equipments /instruments/ accessories in the Department of Biotechnology, under UGC-SAP (DRS-I) project. The interested bidder should submit bids in two parts (Part A–Technical and Part B– Financial) for supply, installation, fabrication & commissioning of the items listed in Schedule-I, II & III in bid document. EOI cum tender bid fee of Rs 1000/- (Rs one thousand only Non- refundable) by Demand Draft drawn in favor of “**Registrar, Guru Ghasidas Vishwavidyalaya**” payable at Bilaspur (C.G.) to be submitted along with bid.

Important

Last date and time of submission of sealed tender
3.00 pm, 29.03.2017
Date of opening of tender
4.00 pm, 29.03.2017
Tender Fee Rs 1000/- (Non refundable)
* EMD @ 3% of total estimated amount (Refundable)

Those bidders who have participated in earlier tender No 05/UGC/SAP date 08.02.2017 have to submit the tender fee and all relevant document again. They may however need not submit EMD, if already submitted and may submit a copy of the EMD

Seal and signature of bidders



Salient Features

1. Bids in two parts (Part A – Technical and Part B – Financial) for supply, installation, fabrication & commissioning of the items listed in **Schedule-I, II & III** in Tender notice can be submitted by Speed post/Registered post only by super scribed the envelope “BID FOR ITEM No. EOI No. to “**The Coordinator, UGC-SAP (DRS-I), Department of Biotechnology, Guru Ghasidas Vishwavidyalaya, KONI, Bilaspur-495009 (C.G.)** India and should reach on or before **15.00 hrs on**
2. **DUE & OPENING DATES:** The tenders will be opened on 29.03.2017, 4.00 pm. at the office of Program Coordinator in the in project purchase committee (PPC) meeting. Willing bidders or their representative can attend the meeting.
3. In case opening date happens to be a holiday, the tender will be opened on next working day at the same time & location. The price bids of two bid tender system shall be opened after technical presentation and evaluation of technical bids. The date of opening of price bids shall be informed to the bidders found suitable in technical evaluation.
4. Date of opening of financial bids will be intimated later on through the bidders email.
5. **Two Bid System:** bidders will place the “Technical Bid” and “Financial Bid” in the separate sealed covers. Thereafter, both the envelopes should be placed in a big envelope duly sealed and super scribed “BID FOR ITEM No Tender No.”
6. The University is not responsible for non receipt of tenders within the specified date and time due to any reason including postal delay or holidays.
7. For any query pertaining to this bid document, correspondence be addressed to :
Coordinator, UGC-SAP (DRS-I), Department of Biotechnology, GGV, KONI, Bilaspur-495009 (C.G.) India.
8. **Envelope I (Technical Bid):** The vendor must submit the following documents in Envelope-I

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(Technical Bid):

- a) Bidder Profile Annexure-I
- b) SPECIFICATIONS: Specifications are basic essence of the product. It must be
- c) ensured that the offers must be strictly as per our specifications.
- d) **At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. The specification of the quoted model in the quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer.** Therefore the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation.
- e) Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party.
- f) Technical compliance statement with deviation, if any

S. N.	Name of specifications/ part / Accessories of tender enquiry	Specifications of quoted Model/Item	Compliance Whether "YES" Or "NO"	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
1	2	3	4	5	6

- g) Authorized partner/dealer/distributor certificate from the original manufacturer.
- h) EOI cum tender bid fee of Rs.1,000/- by Demand Draft drawn in favor of **"Registrar, Guru Ghasidas Vishwavidyalaya"** payable at Bilaspur (C.G.)
- i) **EMD/Bid security @3% of total estimated amount in form of demand**

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draft/BG/FDR in favor of “The Registrar, Guru Ghasidas Vishwavidyalaya, Bilaspur” payable at Bilaspur (C.G.). The bid security will be returned back without any interest to unsuccessful bidder and to the successful bidder after execution of purchase order in the format prescribed in GFR.

- j) Attested copy of PAN card, Service Tax, CST/VAT registration papers
- k) Banker’s Solvency Certificate.
- l) Audited statement of accounts and IT returns for the last three years
- m) Authorized Distributors/Vendors must submit appropriate authorization certificate and letter from their OEMs, for participation in the said tender.
- n) Name and address of past satisfactory supplies with minimum two POs to whom such items/stores have been supplied should be mentioned in the technical bid.
- o) Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories.**
- p) A write up on service and maintenance capability, mitigation of risks or breakdown and replacement capability, with the escalation support matrix suggested for the University. Vendors must indicate their sales and support service center in India and their plan to address issues about services, maintaining minimum service inventory etc.
- q) The OEMs/Vendors need to submit a certificate during opening of technical bids that they are not currently debarred or blacklisted in GGV for any supplies, products or services, or at present in any national organization or educational institute/university.
- r) Offer should be a page numbered and signed by an authorized signatory giving his/her name and designation below the signatures with Signed copy of the tender document, company seal, agreeing to the terms & conditions and declaration.**

8. **Envelope II (Financial Bid):**

- a) The vendor must submit the Price Bid information mentioning all taxes/duties

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FOR University campus, Bilaspur as per Annexure-II. The price should be quoted in words and in figures, without any errors, erasures or alterations. Unit price of each product and accessories should be quoted separately. Maximum educational discount for University as could be offered should also be mentioned.

The bidders should mention in the quotation, the rate/amount of five year comprehensive annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period.

- b) Please quote best minimum prices applicable for a premiere research institution, **leaving no scope for any further negotiations on prices.**
- c) **Bidders has to submit an undertaking, stating that the firm has not quoted the price lower than the price quoted in this bid , in the recent past if the same is discovered by GGV them recovery may be made accordingly at the time of making payment to the firm.**
- d) Copies of **at least last two-supply orders** received from other customers or details of last two supplies made to other customers preferably in India for the same item/model **are to submitted with the offer** giving reasons of price difference of their supply order & those quoted to us, if any.
- e) The party must give details of identical or similar equipment, if any, supplied to any UNIVERSITY lab during last three years along with the final price paid and Performance certificate from them.
- f) **Purchaser's Right to Accept Any Bid And To Reject Any Or All Bids:** The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Purchaser's action.
- g) **Notification of Award:** Prior to the expiration of the period of bid validity, the Purchaser will notify the successful by that the bid has been accepted by way of a Purchase Order.
- h) **Modification and Withdrawal of Bids -** The Bidder may modify or withdraw its

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bid after the bid's submission; provided that written notice of the modification or withdrawal is received by the Purchaser prior to the deadline prescribed for submission of bids. No bid may be modified subsequent to the deadline for submission of bids. A withdrawal notice may also be sent by telex or cable or fax or e-mail but followed by a signed confirmation copy, post marked not later than the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the bids.

9. **Offer validity period:** Bid shall remain valid at least for a period of **120 days** after the date of financial bid opening prescribed by the Purchaser. A bid valid for a shorter period may be rejected by the Purchaser as non-responsive. In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses there to shall be made in writing (or by cable, telex, fax or e-mail).
10. **Performance Guarantee (PG):** Performance Security for an amount of 5% of the order value may be furnished in the form of an Account payee Demand Draft, Fixed Deposit Receipt from a Commercial bank or Bank Guarantee from a Commercial bank in an acceptable form by the successful bidder. Performance Guarantee is to be furnished within 21 days after notification of the award and it should remain valid for a period of 90 days beyond the date of completion of all contractual obligations of the bidders, including warranty obligations. If the bidders fails to deposit the above PG then same may be deducted from the final bill.
11. The Cost of the equipment should be inclusive of all taxes and statutory levies. Labour, installation charges, packing, insurance, freight, pre installation requirements etc. should be mentioned separately (inclusive of all taxes on them).
12. **Price to be quoted FOR Guru Ghasidas University Campus, Bilaspur.** Unit price of each product and accessories should be quoted separately. Maximum educational discount for University as could be offered should also be mentioned. Conditional and incomplete offer will be liable to be rejected. Duties and Taxes are to be quoted

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- separately. Ad valorem rates thereof should be clearly indicated with reference to the relevant Acts and Rules. It may be noted that the University is exempted from paying Excise Duty vide Government Notification No. 10/97 dated 01.03.1997 [Registration No.: TU/V/RG-CDE (710)/2015, dated 31.03.2020]. The University shall not issue C or D forms. CST and VAT may be charged at applicable rates.
12. University reserves the right to carry out a technical inspection and performance evaluation (bench marking) of the offers made by shortlisted vendors. The shortlisted vendors may be asked to come and give out presentation / demonstration.
13. **INSPECTION:** The inspection of the system will be done by our technical expert /Scientist in the presence of firm's representative. In case of receipt of the material in short supply or damaged condition the supplier will have to arrange the supplies/ replacement of goods free of cost pending the settlement of the insurance case wherever applicable on FOR at the lab or CIF basis till satisfactory installation of the system. The supplier **should arrange for physical Inspection of the items directly or through their authorized representative within seven days of arrival of the consignment failing which they will be responsible for the losses.** After the shipment is effected, the supplier/its representative/Indian agents must remain in touch with the lab/instt. to ascertain the date of arrival of consignment.
15. **No commitment to accept lowest or any bid:** University shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers including those received late or incomplete offers without assigning any reason what so ever. University reserves the right to make any changes in the terms and conditions of the bid in benefit of the university.
16. **Short listing of Vendors:** University will create a shortlist of technically qualifying vendors and the financial bid of only these bidders will be opened. University reserves the right to decide whether the items being quoted are as per the requirement of the University and are of standard/leading brands in the market. University reserves the right to decide which offer best suits the requirement of the university. Further, after opening financial bids of the short listed tenders, if there is any discrepancy between word and

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- figure, the amount indicated in words will prevail.
- 17. Warranty:** The equipment/instrument must be guaranteed/warranted for a period of at least **two year, if not specifically mentioned otherwise in the specifications sheet, from the date of its satisfactory installation/commissioning** against all manufacturing defects. If the equipment is found defective during this period the whole equipment or part thereof will have to be replaced/repaired by the supplier free of cost at the lab. Or at site of the supplier for which 'to and fro' expenses will be borne by the supplier. However, if the items are guaranteed for a period of more than two year, it may be specifically mentioned in the quotation. Availability of spare parts of the equipment/instrument must be guaranteed for a period of at least five years from the date of supply. The warranty period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in warranty services.
 - 18. Delivery period:** For imported goods the complete delivery, installation & commissioning of both the equipments/instruments should be made within 12 weeks from the date of issue of order. For indigenous goods it is 8 weeks.
 - 19. Installation and Commissioning:** Free of cost at University. The OEM must ensure timely installation of the complete unit with necessary support to the indenters, as per details and lists to be made available by the Stores Section or the indenting Departments/Centers/Schools.
 - 20. Conditional Offer** may not be accepted.
 - 21. Past Performance of the bidders will be judged at the time of Technical Evaluation.**
 - 22.** Firm has to quote their rates only on the format attached at Annexure-II. Rates quoted on other format or specifications not be accepted.
 - 23. Relevant documents of the OEM shall be enclosed, along with the Technical Bid. Any explanation on this account shall be supported with documentary evidence from the principals.**
 - 24.** The University does not bind itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the University.

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25. **FORCE MAJEURE:** The Supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative mean for performance not prevented by the Force Majeure event.

27. **Custom Clearing:** After arrival of the goods at Airport/Seaport, Indian agent or Indian subsidiary of the principal firm is solely responsible for getting the material clearance from customs. University will provide all custom documents for custom clearance on the demand of agent. Transportation from airport to Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) campus is also the responsibility of authorized agent. All charges/ expenses incurred in this process of custom clearing will be reimbursed to firm after submitting the bill along with documentary proof in original. Please note that the freight forwarder or clearing agent should be approved from IATA. **NO DEMURRAGE / WHARFAGE CHARGES WILL BE PAYBALE BY THE UNIVERSITY UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLEARANCE.**

28. The vendor should adhere with all seriousness to the time schedule provided by the University. The **Liquidated Damage** will be applicable at the rate of **0.5%** per week. The purchaser has the right to cancel the purchase order when LD accumulates to 10 % and appropriate penalty to a maximum up to 5% of the order value may be imposed upon the bidder.

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29. The specification & quantity indicated in the **Schedule-I**. University reserves the right to increase or decrease the quantity or delete some or all of items depending on the needs of the University without assigning any reasons.
30. The bids will be opened on due date and time indicated. Tendered or his/her authorized representative (with proper authorization letter) for attending opening of technical bids. In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timings will however remain unchanged. Please Note that the University remains closed on Saturday & Sunday.
31. **PAYMENT CONDITION:**
FOR INDIGENEOUS SUPPLIES: Payment on Bill Basis after supply: For local supplies the payment will be made only after satisfactory installation, commissioning and performance of the equipment at GGV, Bilaspur and after certification by our technical expert/scientist. However, supplier will be required either to submit **performance bank guarantee for 5% amount of the total value of equipment, after installation of the material, valid up to 60 days after the expiry of warranty period or the equivalent amount shall be released after expiry of the satisfactory warranty period.**
FOR IMPORTS: The payment against imports shall be made through irrevocable LC. L/C will be opened for 100% FOB / CIF value. 90% of LC amount shall be released on presentation of complete and clear shipping documents and remaining 10% shall be released after installation/demonstration/commissioning, subject to submission of PBG of equivalent amount to cover the warranty period. The PBG should remain valid up to 60 days after the expiry of warranty period. In case of non-submission of PBG after installation/ demonstration/commissioning, remaining payment i.e. 10% will be released only after the completion of warranty period. **You are requested to mention the exact product/import code (i.e. HS code) in your quotations.**
33. University may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. The University at its discretion may change the quantity/upgrade the criteria/drop any item or part thereof at any time before & after placing the Purchase Order.
34. A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process. Late or delayed/Unsolicited quotations/offers shall not be considered at all. These will be returned to the firms as it is. Post tender revisions/corrections shall also not be

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- considered.
35. The bids (technical and price bids) once submitted shall be the property of the University and shall not be returned to the bidders in future.
 36. **Resolution of disputes:** University and the vendor shall make every effort to resolve amicably, by direct informal negotiations, any disagreement or dispute arising between them under or in connection with the contract. If after thirty days from the commencement of such informal negotiations, University and the vendor have been unable to resolve amicably a resolution by formal arbitration the Vice-Chancellor of University shall appoint a sole Arbitrator of the dispute who will not be related to the vendor and whose decision shall be final and binding. In case of any dispute, the decision of the HVC of this University shall be final and binding on the bidders.
 37. **Jurisdiction :** All disputes will be subject to Bilaspur (C.G.) jurisdiction only. The University has all the rights reserved to negotiate, if the quoted rate for the item finalized by GGV seems to be higher.
 38. All correction/corrigendum will be given in our website only. Please visit university website regularly for any information/updates regarding this tender.

Program Coordinator
UGC-SAP (DRS-I)

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FORMAT TO BE FILLED BY THE MANUFACTURERS / INDIAN AGENTS (ON BEHALF OF THEIR FOREIGN PRINCIPLES) OR THEIR AUTHORIZED COUNTRY DISTRIBUTORS/ REPRESENTING DEALERS/ REGIONAL AGENCIES, SUBMITTING TENDER

Bidder profile (Technical)

Sr. No	Details	
1.	Name of the Firm	
2.	EOI Fee Details	
	Name of Bank	
	Amount	
	Date	
3.	Registered Office address	
	Telephone Number	
	Fax Number	
	e-mail	
4.	Correspondence/ contact address	
5.	Details of Contact person	
	(Name, designation, address etc.)	
	Telephone Number	
	Fax Number	
	e-mail	
6.	Is the firm a registered company? If yes, Submit Documentary proof.	

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	Year and Place of the establishment of the Company	
7.	Bidder's Bank Details Name of Bank	
	A/c No.	
	IFSC Code	
8.	Government/ Public Sector Undertaking propriety firm partnership firm (if yes, give partnership deed) Limited company or limited corporation member of a group of companies (if yes, give name and address, and description of other companies) Subsidiary of a large corporation (if yes give the name and address of the parent organization) If the company is subsidiary, state what involvement if any, will the parent company have in the project.	
9.	Is the firm registered with sales tax Department? If yes, submit valid sales tax registration certificate.	
10.	Is the firm registered for service tax with Service Tax department? If yes, Submit valid service tax registration certificate.	
11.	What type best describes your firm?	
	· Manufacturer	

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	· Supplier	
	· System Integrator	
	· Consultant	
	· Service Provider (pl. specify details)	
	others	
12.	Details of Empanelment Certificate /Purchase Order of any 3 PSUs / Govt. institutions, enclosed	
	1)	
	2)	
	3)	
13.	Have you ever been denied tendering facilities by any Government/ Department/ Public sector Undertaking? (Give details)	

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DECLARATION

1. I, ----- Son /Daughter of Shri -----
----- Proprietor/ Partner/ Director/ Authorised Signatory of M/s.
----- am competent to sign this
declaration and execute this EOI cum tender bid document.
2. I have carefully read and understood all the terms and conditions of the EOI cum tender
bid and hereby convey my acceptance of the same.
3. The information/ documents furnished along with the above application are true and
authentic to the best of my knowledge and belief.
4. I/ we/ am are well aware of the fact that furnishing of any false information/ fabricated
document would lead to rejection of my bid at any stage besides liabilities towards
prosecution under appropriate law.
5. Our firm is neither blacklisted by any Government Department nor any Criminal Case is
registered against the firm or its owner or partners or directors anywhere in India.
6. Each page of the tender document and papers submitted by my Company is
authenticated, sealed and signed, and I take full responsibility for the entire
documents submitted.

Signature of the Authorised signatory

Date : -----

Place : -----

Full Name : -----

Company Seal : -----

Mobile No :- -----

Note: 1. The above declaration, duly signed and sealed by the authorized signatory of the
firm/company, should be enclosed with the EOI cum tender bid document.

**2. Certificate as per above must be submitted only on non-judicial stamp paper
Rs. 100/- only.**

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Annexure-II

Financial Bid (To be sealed in a separate envelope)

Please quote rates for apparatus separately or in a list for the items in Schedule -I

For Indigenous Items

Item No.	Name of Instruments with Specification	Make & Model of the Instruments	Unit Price (in Rs)	CST/VAT/Tax (if any)	Custom/excise duty (if any)	Total Price *(F.O.R GGV,Bilaspur)

* Inclusive all viz.

CST/VAT/Tax/duties/custom/excise/packaging/forwarding/loading/unloading/commissioning/demonstration/Installation / freight/transportation etc.

For Foreign Items, if quoted

Item No.	Name of Instruments & Specification	Make & Model of the Instruments	Name of Manufacturer	Unit Price	CST/VAT /Tax (if any)	Custom/ excise duty (if any)	Total Price *(F.O.R GGV, Bilaspur)

* Inclusive all viz.

CST/VAT/Tax/duties/custom/excise/packaging/forwarding/loading/unloading/commissioning/demonstration/Installation / freight/transportation etc.

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LABORATORY EQUIPMENTS

Schedule- I

Item No.	Instruments	Specification	Qty.
1.	Binocular Microscope with Imaging system	<p>Illumination LED with lamp mount for easy lamp changing.</p> <p>ABBE Condenser with a spherical lens and iris diaphragm, to be used with objectives 4x to 100x and Phase contrast slider</p> <p>100% perfect "Koehler Illumination" by focusable & centering condenser and variable field diaphragm.</p> <p>Mechanical stage with double plate flat top with stainless steel slide holder</p> <p>Coarse and fine focusing with safety stopper</p> <p>Swiveling Binocular Photo tube (Trinocular tube).</p> <p>It should have the set of colour filters containing blue, green and yellow.</p> <p>Eyepieces with 10x magnification should have field of view 20 mm suitable for spectacle wearers also.</p> <p>High contrast Plan-achromatic objectives 4x/0.10, 10x/0.25, 40x/0.65 and 100x/1.25 oil. 40x and 100x front optics should be spring loaded.</p> <p>Optical System of Colour- corrected infinity optics</p> <p>Manufacturer Authorization should be available. Certificate of Compliance from standard agencies should be available.</p> <p>Microscope should be Upgradable for Fluorescence with LED Illumination. Battery Pack power supply for Fluorescence should be available as an option which should enable fluorescence observation in Field without main electric supply.</p> <p>High definition camera with mini HDMI connection for providing both 5 megapixel [2590x1940] resolution captured images on an SD card or with a PC and 1080i Live image resolution directly to an HD monitor.To be supplied with USB cable, HDMI Cable, SD card and</p>	10 (may vary)

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		remote software - imaging software for image capture point to point measurement and annotation application. All pre-installation accessories should be provided by the supplier/vendor.	
2.	GC-MS	<p>Bench-top Gas Chromatograph system to be coupled with solid, metallic quadrupole based mass chromatographic system. Gas Chromatograph with Mass Analyzer is to provide all the needed data including Temperature, Pressure/ Flow parameter, and type of Carrier Gas, Carrier gas column pressure, flow rates, split flow, detector gas flow rates and all detector parameter. With Programmable pneumatic /electronic Control for injectors, detectors and complete system.</p> <ul style="list-style-type: none">❖ GC-main frame with Split / Splitless Injection port with EPC/AFC/PPC with Fast GC capability.❖ It should have minimum 9 ramps & 10 Plateau for Temperature programming purpose❖ Carrier gas head pressure setting should be more than 950 kPa provision for installing wide-bore and micro-bore columns (i.e., (>140 psi column head pressure or better to accommodate 0.1mm column to 0.53mm capillary column)❖ Carrier gas flow should be more than 10 ml/min❖ Oven heating rate minimum 100⁰ C / min or better❖ Split ratio should be more than 7,500:1❖ Injection Port heating up to 450⁰C❖ High power column oven heating within 5.0 mins from 50 to 450⁰C & cooling should with reverse manner within 3.5 mins (without any insertion or modification of GC Oven)❖ Mass Range 10 m/z to 1050 m/z or better❖ Resolution of R > 2M / Unit Mass Resolution❖ Scan rate should be minimum 12,500 amu /sec or more. Higher scan rates will be preferred.❖ Ionization modes: EI❖ System Ion source should have dual filament to change over	01

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		<p>automatically in case of failure.</p> <ul style="list-style-type: none">❖ Differential evacuation system with TMP vacuum pump of 250 L/sec. Preference will be given to higher capacity TMP to get maximum sensitivity and flow rates 10 ml/min or more for use of wide bore columns or two columns simultaneously.❖ Direct interface between GC & MS with independent heating up to 350⁰C.❖ Direct compatibility of connecting 2 different polarity of columns simultaneously into single MS without any manual interference of injection ports. Columns to be connected can be one polar and the other semi- polar.❖ Rigid Structure, Repeller type, heated lens stack Ion Source❖ Independent Ion source heating up to 300⁰C❖ Variable Ionization voltage from 10 to 200 eV❖ Variable Ionization current from 5 to 250 μA❖ Quadruple Analyzers should be of solid metal and rugged type or equivalent. The cleaning of pre-rods or pre-filters should be easy and can be easily done by user❖ Detector should be Electron Multiplier Tube with noise suppression lens❖ EI Performance Scan Sensitivity S/N Ratio > 800 for 1pg OFN m/z 272. Higher S/N ratio will be preferred as a performance check out of the mass chromatograph❖ System should have optional facility for automatic creation of method files with optimized dwell time.❖ System should have fast GCMS facility as to enhance productivity.❖ Standard samples for EI scanning facility❖ Auto liquid sampler with vial capacity of more than 10 vials would be preferred❖ System should have provision to mount additional 3 detectors like other than MS detector.	
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		<ul style="list-style-type: none">❖ Latest original licensed NIST version 2014 library to be offered.❖ System should be quoted along with original licensed metabolites and pesticide database• System should have facility to get retention time identical for all peaks simultaneously in minimum possible time, after changing column or column length. <p>Flame ionization detector–</p> <ul style="list-style-type: none">❖ Min temp range 450⁰C in 1⁰C increment❖ Automatic flame injection with 1.5 pgC/sec -Dodecane or 3pg C/sec (Nonane)❖ Flame out detection❖ Dynamic range 10⁶ or better• Soft ware in CD-ROM to be supplied with original license copy. Instrument control through MS WINDOWS based 32-Bit GCMS Software for control of GC temp., interface temp.; pressure and flow rates; split ratio; all MS parameters in SCAN and SIM modes; Start up and Shut down of vacuum system; User, Manual and Auto tuning; Adjustment of retention time should be automatic through S/W, and LRI Setting of Data Acquisition, Data Handling Parameters, Report Formats; Real Time Data Acquisition, display of chromatograms and mass spectra of data under acquisition, Snapshot Function; automatic analysis through Sample Schedule; Post Run analysis, Quantitation, Private and Public Library Search software; GLP / GMP, System Suitability, Audit Trail functions and FID signal integration capability• System should be easy to maintain by end user. Preferably it should have front access opening to reach filament, Ion source, and prefilters/prerods for easy maintenance to be done by the user. <p>Utilities and Accessories</p>	
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Seal and signature of bidders



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		<ul style="list-style-type: none">• Gas cylinder for Helium, Hydrogen, Nitrogen and Air.• Cylinder Regulators for Helium, Nitrogen, Hydrogen, Zero Air• gas purification panel Helium, Nitrogen, Hydrogen, Zero Air along with Tubings, gas cylinder mounting bracket, gas cylinder carrier, capillary columns for biomass analysis (min. 3 No.), syringes, fittings and exhaust duct system.• 7.5 kVA UPS 30 Min back up• PC and Printer - 1 No. CPU with Inter Core i-5 2400 (3.1 Ghz) Processor with RAM of more than 4 GB, Hard Disk of 1TB, Professional 7 32 Bit. Monitor 22'' inch wide color LCD with the resolution 1680*1050 . Also PC should have at least 2 USB port. Laser Printer for A4 size paper or larger.• System should have at least two year warranty for GCMS System.• AMC for TWO years after the warranty period, needs to be quoted separately (optional)• Training should be provided on site. Supplier should have customer support lab for training and application support.• Vibration free table for GC-MS and a separate table of computers and accessories.• All pre-installation accessories should be provided by the supplier/vendor.	
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Program Coordinator
UGC-SAP (DRS-I)

Seal and signature of bidders



CHECK LIST

1. Technical Bid :-

- a. Bidder Profile Annexure-I
- b. Technical compliance statement with deviation, if any.
- c. Authorized partner/dealer/distributor certificate from the original manufacturer.
- d. EOI cum tender bid fee of Rs.1,000/- by Demand Draft drawn in favor of **“Registrar, Guru Ghasidas Vishwavidyalaya” payable at Bilaspur (C.G.)**
- e. Attested copy of PAN card, Service Tax, CST/VAT registration papers
- f. **EMD/Bid security @3% of total estimated amount in form of demand draft/BG/FDR in favor of “The Registrar, Guru Ghasidas Vishwavidyalaya, Bilaspur” payable at Bilaspur (C.G.).**
- g. Banker’s Solvency Certificate
- h. Audited statement of accounts and IT returns for the last three years
- i. Authorized Distributors/bidders must submit appropriate authorization certificate and letter from their OEMs, for participation in the said tender.
- j. Name and address of past satisfactory supplies with minimum two POs to whom such items/stores have been supplied should be mentioned in the technical bid.
- k. Copy of mandatory test reports, national testing/reliability and endurance test reports.

2. Financial Bid :-

- a. The bidders must submit the Price Bid information mentioning all taxes/duties FOR University campus.
- b. The party must give details of identical or similar equipment, if any, supplied to any UNIVERSITY lab during last three years along with the final price paid and Performance certificate from them.
- c. Copies of **at least last two-supply orders** received from other customers or details of last two supplies made to other customers preferably in India for the same item/model **are to submitted with the offer** giving reasons of price difference of their supply order & those quoted to us, if any.
- d. Bidders has to submit an undertaking, stating that the firm has not quoted the price lower them the price quoted in this bid , in the recent past if the same is discovered by GGV them recovery may be made accordingly at the time of making payment to the firm.

Seal and signature of bidders