



**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR**  
A Central University established by the Central University Act, 2009 No. 25 of 2009  
Website: [www.ggu.ac.in](http://www.ggu.ac.in) Phone: 07552-260413 Fax: 07552-260154, 260148

Tender Notice No: DST01PHYGGV NOTICE INVITING TENDER Date: 23/11/2016  
Sealed tenders are invited for supply, installation & commissioning of the following equipment at **Department of Pure & Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur for DST-SERB project (SR/FTP/PS-197/2012) (P. I.: P. Das)** from the original Equipment Manufacturing Company or their authorized partners/agents/distributors for (i) **DC current source** (ii) **two channel Nano Voltmeter** (iii) **High temperature chamber furnace with programmable control**. An EMD @3% of price quoted shall be submitted along with **tender fee of Rs. 500/-** for each.  
Detail specification and tender documents are available in university website, which may be downloaded and submitted along with tender fee & EMD. Separate tenders are to be submitted for each item. Last date of submission of tender **22.12.2016 at 4:30 PM**.  
**Principle Investigator** **Head, Pure and Applied Physics**



## GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR

(A Central University established by the Central Universities Act, 2009 No. 25 of 2009)

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Tender Notice No: DST01PHYGGV

Date: 23/11/2016

**Tender for Supply, installation & commissioning of equipments at Department of Pure & Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur for DST-SERB project vide # SR/FTP/PS-197/2012 (P.I.: Pradip Das)**

1. Sealed tenders are invited for supply, installation & commissioning of the following equipments at Department of Pure & Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur from the Original Equipment Manufacturing Company or their authorized partners/agents/distributors.

Item No.	Equipment	Qty	EMD (Rs.)	Tender Fee (Rs.)
1	DC current source	One	3% of price quoted	500/-
2	Two channel Nano voltmeter	One	3% of price quoted	500/-
3	High Temperature Chamber Furnace with programmable control	One	3% of price quoted	500/-

2. The detail specifications of the above items are given at Schedule-I. Separate tenders should be submitted for each item i.e. if any vendor wants to bid for more than one item should submit separate tender for each item.
3. EMD and Tender Fee as mentioned against each item should be submitted in the form of Demand Draft in favour of "Registrar, Guru Ghasidas Vishwavidyalaya" payable at Bilaspur (C.G.) Technical Bid.
4. Completed tender along with all the documents must reach the, **Dr. Pradip Das**, PI, DST-SERB (**SR/FTP/PS-197/2012**), Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur – 495009 (C.G.) on or before **22.12.2016 (4:30 p.m.)** through Speed post/Registered post/Courier Service only. Each tender should be super scribed with a) Tender Notice No. b) Item No. c) Name of equipment.
5. Technical Bids will be opened on **22.12.2016 at 5.30 PM.** at Department of Pure and Applied Physics, Guru Ghasidas University, Bilaspur.
6. Financial Bid will be opened on **23.12.2016 at 11 AM.** at Department of Pure and Applied Physics, Guru Ghasidas University, Bilaspur.
7. University reserves the right to reject the tender without assigning any reason.

Principal Investigator

Head (Pure and Applied Physics, GGV)

## **TERMS & CONDITIONS AND OTHER POINTS FOR CONSIDERATION**

### 1. **Eligibility criteria**

- A) Vendor should be an OEM or authorized partner/ agent/ distributor of the OEM. Documentary proof in support of being a manufacturing company or authorized partner/distributor/dealer must be submitted along with the technical bid.
- B) The Vendor must have supplied similar goods to reputed organization to their full satisfaction in last 3 years and furnish credentials and list of the organizations.

### 2. **Two Bid System Tender**

Vendor 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 superscripted a) Tender Notice No. b) Item No. c) Name of the equipment and shall be sent to Dr. Pradip Das, P.I., DST-SERB (SR/FTP/PS-197/2012), Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur – 495009 (C.G.) on or before **22.12.2016 (4:30 p.m.)** through speed post/Registered post/Courier.

The University is not responsible for non-receipt of tenders within the specified date and time due to any reason including postal holidays or delays

**Envelope I (Technical Bid):** The vendor must submit the following documents in

Envelope-I (Technical Bid):

- a) Detailed technical specifications and literature/manuals of the goods/services to be supplied.
- b) Technical compliance statement with deviation, if any
- c) Authorized partner/dealer/distributor certificate from the original manufacturer.
- e) Credentials and list of organizations where the vendor supplied similar items in last 3 years.
- f) Documentary proof in support of PAN, VAT/TIN No. and Service Tax No.
- h) Prescribed Tender Fee in the form of DD in favour of “Registrar, Guru Ghasidas Vishwavidyalaya” payable at Bilaspur (C.G.)
- i) Prescribed EMD in the form of Demand Draft in favour of “Registrar, Guru Ghasidas Vishwavidyalaya” payable at Bilaspur (C.G.)
- j) Duly acknowledged “Terms & Conditions and other points of Consideration” of this tender.

#### **Envelope II (Price Bid):**

The vendor must submit the Price Bid information mentioning all taxes/duties FOR University campus, Bilaspur. 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.

### 3. **Offer validity period**

The offer should hold good for a period of 120 days from the closing date of the tender. Any offer falling short of the validity period is liable for rejection.

4. **Earnest Money:**  
Earnest money as prescribed of each item must be submitted in the form of Bank Draft, in favour of the Registrar, Guru Ghasidas Vishwavidyalaya, Bilaspur will be attached along with Technical Bid (Envelope-I) by each bidders. The tenders will not be entertained in absence of above EMD.
5. **Performance Guarantee:**  
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 60 days beyond the date of completion of all contractual obligations of the vendor, including warranty obligations. EMD amount may be adjusted with the Performance Guarantee.
6. **Cost:**  
The Cost of the equipment should be inclusive of all taxes and statutory levies. Labour / installation charges, packing, insurance, freight etc. should be mentioned separately (inclusive of all taxes liveable on them). Price to be quoted CIF Kolkata and in case of local firms they should quote 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. The University is **exempted from payment of custom and excise duty** on Scientific and technical equipment/instruments by DSIR, Govt. of India. Necessary certificate will be issued on demand.
7. **Technical inspection and Performance Evaluation:**  
University reserves the right to carry out a technical inspection and performance evaluation (benchmarking) of the offers made by shortlisted vendors. The shortlisted vendors may be asked to come and give out presentation / demonstration.
8. **No commitment to accept lowest or any tender:**  
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 work. University will not be obliged to meet and have discussion with any vendor, and or to listen to any representations.
9. **Short listing of Vendors:**  
University will create a shortlist technically qualifying vendors and the financial bid of only these vendors 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 a discrepancy between word and figure, the amount indicated in words will prevail.
10. **Warranty**  
The vendor shall provide comprehensive on-site Warranty for the system/equipment supplied against the work order for a period of 2 years from the date of installation and commissioning of the system/equipment. This would cover the hardware, hardware components, system software, equipment and accessories supplied by the vendor at the place of installation.

11. **Delivery period:**  
For imported goods the complete delivery, installation & commissioning of both the systems should be made within 12 weeks from the date of issue of order. For indigenous goods it is 8 weeks.
12. **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.
13. **Jurisdiction**  
All disputes will be subject to Bilaspur jurisdiction only.
14. **Custom Clearing:**  
After arrival of the goods at Kolkata 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 Kolkata to Guru Ghasidas University campus is also the responsibility of authorized agent. All charges/ expenses incurred in this process 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 PAYABLE BY THE UNIVERSITY UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLERANCE/ FREIGHT / INSURANCE ETC**
15. 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 %.
16. The categories of items and quantity indicated in the Tender Document are tentative. 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.
17. The bids will be opened on due date and time indicated in presence of the tenderers, if any present on the occasion, if the date of the opening is declared holiday the tenders will be opened on next working day.
18. For imported goods, the payment will be made through Letter of Credit. No advance payment will be made. Payment will be made after the receipt, inspection and installation/testing of the goods.
19. University reserves the rights of accepting in full or part/not accepting the tenders without assigning any reason.
20. Any addition/deletion/modification of this tender made before the due date of the tender will be displayed in university website only.

(Signature of the authorized representative of the bidder)

Principal Investigator

Head (Pure and Applied Physics,GGV)

## Bidder Profile

S.No.	Details	
1	Name of the firm	
2	Tender bid fee details Name of the bank Amount Date	
3	Registered office address Telephone number Fax number Email	
4	Correspondence / Contact address	
5	Details of contact person (Name, designation etc.) Telephone number Fax number Email	
6	Is the firm a registered company? If yes, submit documentary proof. Year and place of the establishment of the company	
7	Bidder's bank details Name of the bank A/c no IFSCCode	
8	Is the firm 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	Which type best describes your firm? Manufacturer 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)	

### Financial Information Summary

S.No.	Name of the Bidder	Turn over (Rs) Total of 3 financial years			Average turn over for three years

Note: Please enclose certificate issued by CA in this regard.

**Seal and Signature of Bidder**

**DECLARATION**

1. I, ....., Son/Daughter of Shri.....  
Proprietor/Partner/Director/Authorised Signatory of M/s  
..... am competent to sign this declaration and execute  
this tender bid document.
2. I have carefully read and understood all the terms and conditions of the Tender bid and here by  
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 of directors anywhere in India.

Signature of Authorised person

Date:.....

Full Name.....

Place: .....

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 Bid document
2. Certificate as per above must be submitted only on non – judicial stamp paper of suitable amount.



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

### **Financial Bid**

For indigenous items

Item No.	Name of the instrument and specifications	Unit price	CST/VAT/Tax if any	Total Unit Price

For Foreign items, if quoted

Item No.	Name of the instrument and specifications	Name of the manufacturer	Unit price	CST/VAT/Tax if any	Total Price	Unit

Other terms and conditions required should also be enclosed with the bid

## Detailed specifications of the equipment

Item No	Item	Parameter	Specifications	Quantity
01	DC CURRENT SOURCE	Functions	Provide for Delta Mode Resistance; Differential Conductance; Pulse measurements.	1
		Range	2 nA – 100 mA.	
		Programming Resolution	100 fA – 10 uA.	
		Accuracy	0.4% + 2pA. TO 0.1%+50uA.	
		Output Resistance / Capacitance	>10 T Ohms / <100pF (2nA; 20nA).	
		Voltage Compliance.	100mV – 105V Programmable	
		Output Power.	11 W.	
		Program Memory	Upto 64K	
		Output.	3- Lug Triax Connector.	
Hardware Architecture.	Should provide for Guarded measurement. Common mode Voltage 250 V RMS. IEEE-488.2 & RS232 Interface; Ethernet; Digital I/O; External Trigger Input / Output. Safety Interlock capability.			
2	NANOVOLTMETER (Two Channel Nano-Voltmeter.)	Functions	Provide Measurements for: Delta Mode; Differential Conductance; Pulse; Ratio; Temperature; Maths; Analog Output.	1
		Display.	7 1/2 Digits.	
		Range: Channel 1 / Channel 2.	10 mV – 100V / 100 mV – 10V DC	
		Resolution: Channel 1 / Channel 2.	1 nV – 10 uV / 10 nV – 1uV DC	
		Accuracy	+ / - 0.002%.	
		Input Resistance.	>10 G Ohms. (>10MOhms on 100V range)	
		DC Input Bias Current.	<60 pA (-10 to5V); <120 pA ( 5 to10V) DC	
		Noise @1sec response.	25 nV Pk-Pk. (10mV Range)	
		Noise @100 Ohms Source Resistance.	8 nV Pk-Pk.	
		Program Memory	1024 Readings.	
		Temperature Measurement.	Using Thermocouples type: J;K;N;T;E;R;S;B.	
		Temperature Range	-200 Deg.C upto +1800 Deg.C.	
		Temperature Display.	Deg. C; F; K.	
		Input.	Miniature Limo Connector.	
		Input protection.	150V Pk-Pk.	
		Channel Isolation.	>10 G Ohms.	
		Earth Isolation.	350 V Pk-Pk.; >10G Ohms & <150pF.	
		Analog Output	+/-1.2V max.; 1KOhms; with adjustable gain.	
		Triggering.	Should provide for delay upto 99 Hrs.	
Hardware Architecture.	Should provide for Math functions (Rel; Min-Max; Ave; Std.Dev; Pk-Pk; limitTest; mX+b) IEEE-488.2 & RS232 Interface; External Trigger Delay.			
Power requirement	230V AC, +/- 10%; 50Hz- 400Hz.			
0 3	High Temperature	Chamber volume	1.5 liter Approx	1

Chamber Furnace with programmable control	Max. temperature	1550°C
	Heating time to Tmax.	Not more than 40 Minutes
	Inner chamber dimensions	Not less than 125 x 125 x 150 mm (wxdxh)
	Power	Not more than 3.5 kW, Single Phase connection
	Weight	Not more than 20 kg
	STANDARD FEATURES	<ul style="list-style-type: none"> <li>• PID based Microprocessor temperature controller with clear, blue-white LCD display with data input by numeric pad. Should have facility for at-least 9 Programs with 40 Steps each; Temperature &amp; time value entry in steps of 1°C &amp; 1minute respectively; Status messages not as codes but as clear texts. With features start time configurable; Operating hour counter; auto tune function; Temperature variable as °C &amp; °F; kWh meter; Real time clock; Skip-button for segment jump. Should have Interface for monitoring &amp; control software;</li> <li>• High-quality fiber material for furnace Chamber, selected for the high working temperature.</li> <li>• Should be heated by at least 4 SiC Heating elements placed vertically on sidewalls with ease of replacement of heating rods.</li> <li>• Should have lift up door with hot surface facing away from the operator for ease of operations</li> <li>• Should have switching system with semiconductor relay, power tuned to the SiC rods.</li> <li>• Double-walled casing for low external temperatures and high stability</li> <li>• GLP &amp; GMP compliant Non-rust Textured Stainless sheet steel casing.</li> </ul>