

TENDER DOCUMENT

FOR

**Supply of Equipment for College of Engineering and
Centre for Biodiversity Studies**

Last date for selling of the
the tender document : February 25, 2012 up to 11:00 hrs

Last date and time for submission
of tender document : February 25, 2012 up to 1600 hrs

Opening of the Bids : February 27, 2012 at 11: 00 hrs

SERIAL NUMBER :
ISSUED TO :
DATE :



**BABA GHULAM SHAH BADSHAH UNIVERSITY RAJOURI,
JAMMU AND KASHMIR**

Phone 01962-241009

Website: www.bgsbuniversity.org,

Email: bgsbu@rediffmail.com



**BABA GHULAM SHAH BADSHAH UNIVERSITY
RAJOURI (J&K)**

TENDER FORM

(Tender Notice No: BGSBU/Estates/12/100 dated 04.02.2012)

1. Name of the Tendering Firm :
2. PAN No. :
3. Service Tax Registration No :
4. Experience in providing Lab. Equipment to Universities/Govt. Institutions:Year
.....Month(s) (*Attested copies of the relevant certificates must be enclosed*)
5. Details of the experience as mentioned in S.N.4 above.

S.No	Name and address of University/ Govt. Institutions	From	To
1			
2			
3			
4			
5			
	Total		

6. Turnover last three years :
(Enclose preferably audited copies of Loss/Profit A/C)

Year 2008-09 Rs.....

Year 2009-10 Rs.....

Year 2010-11 Rs.....

7. Declaration of tendering Firm :

I/We M/STendering firm for
.....(Lab. Equipment) in the BGSB University, do hereby solemnly affirm that we shall
abide by the University rules/conditions of the contract. I/We are aware that the BGSB University
reserves right to cancel any/all of the tenders without any obligation for explaining the reasons of the
decision of cancellation. I/We also understand that the BGSB University is the final authority to decide
any dispute arisen out of the tender process in question

Signature of the Tenderer :

Address of the Tenderer (with seal) :



Ghulam Shah Badshah University, Rajouri (J&K)

TENDER NOTICE FOR SUPPLY OF EQUIPMENT

For and on behalf of Registrar BGSB University, sealed tenders affixed with Rs. 5/- revenue stamp are invited from Registered Firms, Authorised Dealers, Distributors & Manufacturers for supply of **Equipment** for following **laboratories**:

- A. College of Engineering and Technology**
 - i) Electrical and Renewable Engineering
 - ii) Civil Engineering
 - iii) Electronics & Communications Engineering
- B. Centre for Biodiversity Studies.**
 - i) Molecular Biology lab
 - ii) Biotechnology Lab
 - iii) Biochemistry Lab
 - iv) Ecology Lab

The detailed tender document can be had from the office of the Deputy Registrar (HR& Planning) BGSB University, Rajouri on payment of Rs 1000/- in the shape of Bank Draft favoring Registrar BGSBU, Rajouri, payable at Rajouri. The tender document can also be downloaded from the University website i.e., www.bgsbuniversity.org. Tender document downloaded from the University website shall be accepted with bank draft of Rs. 1000/- towards the tender cost. The tender should be submitted in two separate envelopes (Technical Bid & Price Bid) & both envelopes should be sealed in a single larger envelope.

Completed tender should reach the office of the Registrar BGSB University, Rajouri, on or before February 25, 2012 along with Earnest Money of Rs. 10,000/-for each group/ Lab. (*without which the tender shall not be entertained*). Tenders should be opened by the committee in presence of tenderers who wish to be present on a date to be notified separately.

No: BGSBU/Estates/12/100
Dated: 04.02.2012

Sd/-
Deputy Registrar
(HR & Planning)

Details/Requirements for Submission of Tenders:

The Competitive Bidding shall be held in accordance with two cover bidding system i.e. Cover-A (Technical/Pre-qualification Bid) and Cover-B (Price Bid).

The tenders are to be furnished in two sealed covers (Cover-A and Cover-B) duly signed by the tenderer clearly superscribing the following information on them:

- Envelope No (Cover-A or Cover-B)
- Name of Work
- Name and Address of Tenderer with phone numbers
- Due date of receipt of tenders.

Cover-A (Technical/Pre-qualification bid):

This Envelope should contain the following information:

- i) Earnest money deposit in the form of CDR for an amount of 10,000/- for each Lab./group, issued by any scheduled bank.
- ii) Product catalogues, information brochures etc. should be enclosed with the pre-qualification bid.
- iii) Attested photocopies of latest and valid sales tax, Service Tax and Income Tax clearance certificates including PAN/TIN documents.
- iv) Details of works of similar nature/type and magnitude carried out by the tenderer, documentary proof.
- v) Any other relevant information with regard to specific work which the tenderer would like to present.
- vi) Each page of the documents submitted should be duly signed by the tenderer or his authorized signatory.

Cover-B (Price Bid):

The Cover-B should contain:

- i) The rates quoted for the tendered items should be duly pasted with transparent tape.
- ii) The rates quoted should be inclusive of all relevant taxes, octroi, freight, handling charges and/or other duties and overheads etc.
- iii) The tenderer should quote the rates for all the items as per advertised list/quantity schedule/unit and not for any part of the items or otherwise.
- iv) Each page of the submitted price bid must duly be signed by the tenderer or his authorized signatory.
- v) This envelope should contain only the cost offer of the tenderer which should be written clearly and legibly, both in figures and words. The tenderer should not quote in any case the cost offer anywhere directly or indirectly in envelope-A.

The aforesaid sealed envelopes (Cover-A and Cover-B) shall then be put together in another envelope which shall also be sealed and superscribed with the name of the work.

GENERAL TERMS AND CONDITIONS:

1. The tenderer should submit rates and technical specifications of each item listed in the bill of quantities. The number of items will be need based and can change without assigning any reason thereof.
2. The agency should submit the complete tender with an earnest money of Rs. 10,000/- (must be issued separately for each Lab./group) in the shape of CDR. Tender received without CDR shall be rejected.
3. The items are required to be supplied F.O.R BGSB University Campus, Rajouri.
4. The agency is required to quote clearly for each item being quoted. The agency should quote based on the price list of the respective company (original manufacturer) and should offer a discount, if any, on the price list of the company.
5. The rates to be quoted by the agency should be valid for one year from the date of the placement of order (for Rate contract) & same should be clearly mentioned in their technical offer.
6. The agency/tenderer should quote the rates of the items in figures as well as in words.
7. Conditional tenders shall not be accepted. This tender document is non-transferable. Bid once submitted shall not be allowed to withdraw; failing which the Earnest Money Deposit shall be forfeited.
8. All corrections or alterations in the quotation must be duly countersigned by the authorized signatory, without which tender will not be considered.
9. Tenders can be submitted either **by post or by hand**. In the event of tender received after due date and time due to postal delay, the University will not be responsible for such delay and such tenders/bids will not be considered by the University.
10. The tenders should be submitted with detailed Technical specification of each item as well as the rates in a sealed envelope super scribed with the type of items tendered for along with tender notice number & date, e.g. **“Tender for supply of Equipment for College of Engineering and Centre for biodiversity Studies labs in response to Tender Notice No. BGSBU/Estates/12/100 dated 04.02.2012”**.

11. The University reserves the right to accept or reject any quotation at any time prior to award of contract, without thereby incurring any liability towards the affected Tenderer(s) or any obligation to inform the affected Tenderer(s) of the grounds for the University's action.
12. The Central Purchase Committee of the University will do the evaluation of the bids submitted by the bidding agencies on the specified date. Rates of the technically successful tenderers which will be compared and ranking of the tenderers will be done according to the price quoted.
13. University shall be under no obligation to accept the lowest or any other quotation received in response to this tender notice and shall be at liberty to reject any or all offers including those received late or incomplete without assigning any reason whatsoever.
14. The University reserves the right to accept or reject any quotation or reject all quotations at any time prior to award of contract, without thereby incurring any liability towards the affected Tenderer(s) or any obligation to inform the affected Tenderer(s) of the grounds for the University action.
15. The supply of items has to be made within a period of 15 days from the date of issue of supply order by the BGSBU. In case firm fails to supply articles within the specified time, 0.5% cost of the whole supply for every week as late supply will be deducted from the bill to the maximum of 5% after which the order will be cancelled and earnest money deposited shall be forfeited.
16. In case the tenderer wants to be represented by someone authorized by him to follow up the tendering process/procedures and act on his behalf, he shall submit a duly executed power of attorney in original in the name of such representatives/s along with its two certified copies. The power of attorney shall also include the power to refer disputes to arbitration.
17. Any change in design/specifications found necessary during execution/installation, shall be undertaken by the tenderer on the same rates, terms and conditions as provided for such items. The rate for any extra item, if undertaken, shall be analyzed and approved by the Competent Authority. The same shall be binding on the tenderer.
18. The successful tenderer to whom the work gets allotted shall provide on site warranty, as per manufacturer's policy for all the products equipment etc supplied, installed or commissioned. This warranty shall however not be less than one year in any case.

19. Any clarification required by the tenderer in regard to the technical data given in tender document may be sought from the Office of the Registrar or Dy. Registrar (HR&P), BGSBU, Rajouri.
20. The University shall not be responsible for any loss due to flood, earthquake, mutiny, violence, riot or other government action or other natural calamity etc to the men or material engaged by the tenderer during execution of work. In case of injury/death of any skilled or unskilled labor employed by the tenderer on the work, the tenderer himself shall be responsible for consequences and compensation thereof under rules in vogue in the state.
21. On installation/commissioning/completion of the tendered work/s, a competent officer or agency designated/engaged by the University shall have to certify, that all works executed by the tenderer have been done to their satisfaction. Final payments against the works thus carried out shall be made only after such certificate is issued by the competent designated authority.
22. Disputes, if any, are subjected to the jurisdiction of Rajouri Courts.
23. The University reserves the right to alter/ modify any or all conditions of this tender document.
24. Tender which do not fulfill any or all of the above conditions or incomplete, are liable for rejection.

Sd/-
Deputy Registrar
(HR & Planning)

Bill of Quantities
Laboratory/ Workshop Equipment

A. COLLEGE OF ENGINEERING AND TECHNOLOGY

**1. Electronics and Communication Engineering
(VLSI/DSP Laboratory)**

S.No	Equipments/Tools	Quantity
1	ALTERIA (SOFTWARE) with simulator	1
2	CPLD (Complex Programmable Logical Device)	6
3	DSP Starter Kits TMS320C67	4
4	Image Daughter Cord ND-Tech 6713/6416	2
5	Audio Daughter Cord ND-Tech 6713/6416	2
6	PC i5 Processor, 3GHz, 6MB cache	10
8	Soldering Work Station	1
9	Triple Power Supply 3A	5
10	Communication Kits	5

**2. Electrical Engineering & Renewable Energy Laboratory
(Control System Laboratory)**

S. No.	Name of Item	Quantity
1	Stepper Motor	3
2	AC Servo Motor	1
3	DC Control Position	1
4	PID Controller	5
5	Temperature control system	3
6	DC Speed Control System	3
7	Relay Control System	3

3. (Renewable Energy Laboratory)

S. No.	Name of Item	Quantity
1	Solar Power pack	2
2	Solar CFL Lantern	2
3	Solar LED Lantern	2
4	Solar Street Lamp	2
5	Advanced Solar Charge Controller	2
6	LED Lamps	2
7	Solar Cooker Demonstrator	2
8	Bio Energy Trainer	2

4. Civil Engineering (Geology Lab.)

S.No.	Equipments	Quantity
1	Walkers Steel Yard Balance	02
2	Jolly's Spring Balance	02
3	Beam Balance	02
4	Mineral samples like: Quartz, Topaz, Calcite, Gypsum, Asbestos, Graphite, Orthoclase, Fluorite, Biotic Talc, and Barite.	2 each
5	Common rock samples like: Granite, Basalt, Sand Stone, Lime Stone, Marble, Slate, Quartzite, Gneis, Schist	2 each

B. Centre for Biodiversity Studies

S. No.	Name	Specifications	NO.
1.	UV Transilluminator	With filter, 312 nm, 20x20cm size	
2.	Heavy Duty Professional Blender	3Hp High Efficient Motor 38,000 Rpm (TM-767 OmniBlend I) 2L Unbreakable Polycarbonate Jar, Variable Speed, Multi Function, Wet And Dry Application, Two In One Stainless Steel Cutting Unit, Double Protection: Overload Reset Button On Machine & Thermo Switch Protection On Motor.	
3.	Bomb Calorimeter	Housing Material Brass/ Stain steel, duly Nickle chromium plated water jacket, S.S Vessel S.S Bomb, Water Vessel Power Consumption:220/230V AC Supply, Single Phase +- 10% , 50Hz Duty Cycle	
4.	KelPlus Automatic Nitrogen Estimation System - Kelplus Automatic Twelve place macro block digestion system	Model-KES12 L + KELPLUS fully automatic Auto sequencing Distillation System (Classic-DX) Along with accessories	
5.	SDS-PAGE unit vertical	Midi and maxi vertical systems	
6.	ROCKYVAC	Code 7011; RockyVac™ 400,, Max power 80, Max Vaccuum -	

	Vaccum pump	650mm/Hg, 1450 rpm	
7.	Spectro-fluorophotometer RF-5301	150W xenon lamp, wavelength scale- 220-920 nm, wavelength accuracy ± 1.5 nm, About 20,000nm/min. 8-step selection of 0.02, 0.03, 0.1, 0.25, 0.5, 2, 4 and 8 seconds for 98% of the full scale. 2 steps of HIGH and LOW. (The sensitivity at HIGH is about 50 times that of LOW.) RS-223C interface, interface for autosampler, and interface for sipper unit. 667W x 530D x 270H mm; 43kg. 100, 120, 220, 240V; 50/60Hz; 400VA. 15-35°C 40-80% (Below 70% with temperature higher than 30°C).	
8.	Quartz Cuvettes for UV-Vis with lid for heating purposes	190-2500 mm, volume- 1ml; pathlength 10 mm	
9.	Peltier unit for UV-Vis	S-1700 Thermoelectric Single Cell Holder (Cat. No. 206-56000) (UV-1600/1700 series, 2400/2500 series, 3600, MultiSpec-1500 only) Cooling water specification: $20 \pm 2^\circ\text{C}$ · Water flow: 4.8L / min or more Temperature accuracy in cell (when room temperature is 25°C) Within $\pm 0.25^\circ\text{C}$ (0 to 25°C) Within $\pm 1\%^\circ\text{C}$ of set value (25 to 75°C) Within $\pm 2\%^\circ\text{C}$ of set value (75 to 110°C)	
10.	Manual-AFLP		
11.	Milli-Q Integral water purification system	Resistivity, $\text{M}\Omega\cdot\text{cm}$ @ 25°C > 5; TOC, ppb ($\mu\text{g/l}$) < 30; Bacteria, cfu/ml < 0.1 Particulates > $0.22\ \mu\text{m}$, Particulates/ml < 1 Pyrogens (endotoxins), EU/ml < 0.001 RNases, ng/ml < 0.01 DNases, pg/ μl	
12.	Acupipet-variable volume (2 sets)	Different volumes, T2, T10, T20, T200 and T1000	
13.	Protein Purification system	40 ml/min; optional F40 pump kit 80 ml/min; optional Maximizer valve system; 3,500 psi (23 MPa) at 10 ml/min 1,000 psi (6.6 MPa) at 40 ml/min; Standard 254 and 280 nm filters; optional 214, 365, 405, 436, and 546 nm filters; standard 5 mm analytical flow cell; optional 2 mm preparative flow cell; optional QuadTec UV/Vis detector, 4-wavelength simultaneous detection; Optional SV5-4 buffer-select valve, EP-1, Econo gradient pumps; Optional DynaLoop 25 ml, 90 ml loops, and/or C-96 autosampler; Optional AVR9-8 valves for ≤ 8 columns or additional AVR7-3 valve for 2 columns; 35 x 41 x 81 cm 13.8 x 16 x 31.8"; 4-40°C	
14.	Shaker hot water	Capacity 22.3 liters (5.9 gal.) Temperature Range Above ambient to +70C (+ 158F) or +95C	

	bath- Model 2568	(+203F) with optional gable cover Control Sensitivity +/- 0.02C Speed Control 30-150 RPM Stroke: 1.2cm to 3.81 cm (0.5" to 1.5") Internal dimensions: L 19.3" X W 13.2" External dimensions: L 31.3 " X W 16.5" X H 11.8" 115V 60 Hz 11 A	
15.	Abbe Refractometer	Abbe Refractometer Improved Model with in-built Electric Illumination and Digital Temperature Indicator Complete with following accessories Model: RSR-2A; For Refractive Index 0.001 by direct reading on scale & 0.0001 by estimation; For sugar solutions 0.5% direct reading on scale & 0.1% by estimations	
16.	Atomic absorption spectrophotometer AA-700	Double Beam (chopper mirror) Aberration corrected Czerny-Turner monochromator Holographic grating (1,600 lines/mm) 190-900nm Automated wavelength selection 0.2nm, 0.7nm Manual setting D2-Lamp method 2-Lamps simultaneously lit (manual turret) Emission, Non-BGC, BGC-D2 100HZ Nebulizer integrated impact bead and jacket tip Pt/Ir capillary Polypropylene Fixed back/forward position and burner height (Simple switching of Air/C2H2 and N2O/C2H2 burner) Titanium 10cm slot burner (Optional high-temperature burner) Manual setting of flow rate Automatic Air/N2O switching system Gas pressure monitoring to prevent flashback Automatic flame monitoring Safety interlock for misuse of burner Automatic flame extinguish when power failure Push ignite button Software based on MS Windows® 2000/XP W690 x D425 x H370mm, 38kg AC220V, 230V, 50/60Hz, 300VA (Requires transformer for AC115V) (Certification of CE marking) Temperature : 10-35°C Humidity : 45-80% (less than 70% when temperature is greater than 30°C) Burner Head of 10cm slot. Nebulizer assembly. Deuterium lamp. Drain tube. Teflon tube for sample suction. Hose assembly for Air. Hose assembly for C2H2. RS-232C connection cable (9P-9P). AC cable for 220, 230V.	
17.	Sonicator-740	Type B equipment; 100-240 VAC; 60 – 50 HZ frequency; Recharge smart Li ion battery; Maximum treatment time-29	

		minutes	
18.	Biophotometer	<p>Quantification of sample volumes from 'Nanolitres to Millilitres' within 2 seconds</p> <p>A compact analyzer for rapid and reliable analysis of ds/ssDNA, RNA, oligonucleotides, proteins. bacterial cell density/turbidity measurement, frequency of incorporation of fluorescent dyes (Ex. Cy3, Cy5) End point measurements at 340 nm, 405 nm, 490nm, Ex. Enzymatic activities & cell biological methods & direct measurement of single wavelength without further processing.</p> <p>It should have programmed methods for: ds/ssDNA, RNA, oligonucleotides, proteins. bacterial cell density/turbidity measurement, frequency of incorporation of fluorescent dyes (Ex. Cy3, Cy5, End point measurements at 340 nm, 405 nm, 490nm, Ex. Enzymatic activities & cell biological methods & direct measurement of single wavelength without further processing.</p> <p>Optional background correction at 320 nm for UV methods</p> <p>Automatic calculation of sample dilution</p> <p>Simple conversion using the "Conversion" key</p> <p>Up to 10 standards for colorimetric processes</p> <p>Xenon light source with extremely long service life (10 years)</p> <p>Storage of the last 100 results and all corresponding data</p> <p>Storage of all calibrations</p> <p>Sample and calibration data can be called up after being stored</p> <p>Calibration memory: For protein methods</p> <p>Results memory: For 100 results; absorption and ratio values, sample number, dilution date and time</p> <p>Interface: RS 232 C, serial for printer or PC</p>	
19.	Water bath (circulating)	<p>3Hp High Efficient Motor 38,000 Rpm (TM-767 OmniBlend I)</p> <p>2L Unbreakable Polycarbonate Jar,</p> <p>Variable Speed,</p> <p>Multi Function,</p> <p>Wet And Dry Application, Two In One Stainless Steel Cutting Unit</p> <p>Double Protection: Overload Reset Button On Machine & Thermo Switch Protection On Motor.</p>	
20	Water and soil analysis kit	<p>For following parameters</p> <p>PH, conductivity, TDS, D. O, salinity, turbidity, colorimeter and temperature, digital supplied with rechargeable battery</p>	