

**BUNDELKHAND UNIVERSITY, JHANSI**  
**TENDER NOTICE (Re Tender)**

- Sealed tenders are invited from reputed manufactures or their - authorized dealers for supply of equipments for Institute of Engineering & Technology, Bundelkhand University, Jhansi.
- Last date and time of submission of Tender Form February 27, 2009 (01:00 PM).
- Date and time for opening the tender February 27, 2009 (04:00 PM).
- Work: Supply of lab instruments for Institute of Engineering & Technology, B.U., Jhansi.
- Earnest money - 2.5% of the quoted amount.

**(1) Department of Instrumentation Engineering**

S.N.	Items	Qty.	Make	Rate per unit (Rs.)	Total Amount (Rs.)
1	CRO 20 MHZ with Function Generator up to 100 KHz	2			
2	Digital Multimeter (3-1/2 digit), with reading hold switch, backlight switch transistor testing facility	6			
3	Sensor Trainer Kit Master unit	1			
4	Experiment panel of displacement Sensing Transducers Covering LVDT, inductive, capacitive and resistive with power supply	1			
5	Extension board	10			
6	Phonocardiograph Trainer	1			
7	Soldering Iron	5			
8	Soldering wire (kg)	2			
	<b>Total Cost (Rs.)</b>				
	Amount in wards.....				

*[Signature]*

**(2) Department of Mechanical Engineering**

S.N.	Items	Qty.	Make	Rate per unit (Rs.)	Total Amount (Rs.)
<b>Department of Mechanical Engineering</b>					
1	Evaporative Cooler	1			
2	Universal Testing Machine, 20 tons capacity	1			
<b>Total Cost (Rs.)</b>					
Amount in wards.....					

**(3) Department of Electronics & Communication Engineering**

S.N.	Items	Qty.	Make	Rate per unit (Rs.)	Total Amount (Rs.)
1	Kelvin double bridge kit	2			
2	Electronics component tester kit	1			
3	IC Tester Kit	1			
4	Transducer (PT - 100, J- Type & K - Type)	1			
<b>Total Cost (Rs.)</b>					
Amount in wards.....					

**(4) Department of Biotechnology Engineering**

S.N.	Items	Qty.	Make	Rate per unit (Rs.)	Total Amount (Rs.)
1	Fermenter (Bioreactor), 05 Liter working Vol.	1			
2	Immunelectrophoresis Apparatus (With power supply)	1			
<b>Total Cost (Rs.)</b>					
Amount in wards.....					

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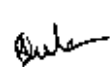
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**(5) Department of Biomedical Engineering**

S.N.	Items	Qty.	Make	Rate per unit (Rs.)	Total Amount (Rs.)
1	Electronics Components/ Ics	(a) IC AD 0808			
		(b) AD 7523			
		(c) 8751			
	Microcontroller				
	<b>Total Cost (Rs.)</b>				
	Amount in wards.....				

**(Specifications)****Technical Specification for the instruments listed before  
(Department wise)****(1) Department of Instrumentation Engineering**

1	Microcontroller based 20 MHz 2 Channel 2 Trace Dual Trace Oscilloscope with Component & Continuity Tester with Function Generator
2	3½ Digit Digital Multimeter (manual Ranging)
3	Sensor Trainer Kit (master unit): The unit is to be quoted if the serial no. 10, 11, 12, 13, 14, and 15 are modular type and are of master unit supporting type.
4	LVDT Trainer <ul style="list-style-type: none"> <li>• Functional blocks indicated on board mimic</li> <li>• 3½ determine linear range of operation of strain measurement</li> <li>• To determine LVDT displacement measurement jig with micrometer.</li> <li>• Onboard excitation generator</li> <li>• Amplitude adjustment for excitation generator</li> <li>• High repeatability and reliability</li> </ul>
5	Power extension boards: with 4 nos. of 5A/5pin socket and chord length of at least 5 meter.
6	Phonocardiograph Trainer (features) <ul style="list-style-type: none"> <li>• Provides amplified phonocardiogram output</li> <li>• User selectable filter section</li> <li>• On Board variable gain control facility</li> <li>• Separate test-points to observe waveforms after each block</li> <li>• Buffer stage for oscilloscope display</li> <li>• With real time PCG acquisition software</li> <li>• Self contained and easy to operate and accessories included Real time PCG acquisition software, stereo cable, phonocardiogram sensor, manual main cords.</li> </ul>
7	Soldering Iron: 25 watt/220V with wit changing option
8	Soldering wire: 20/22 SWG four (4) units of 500gm roll



## **(2) Department of Mechanical Engineering**

1	Universal Testing Machine: <ul style="list-style-type: none"><li>• 20 Tons Capacity</li><li>• with load stabilizer</li><li>• Brinell test attachment</li><li>• Bend test attachment</li><li>• Shear, tensile, hardness, compressive test attachment</li><li>• and wide range of other accessories.</li></ul>
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## **(4) Department of Biotechnology Engineering**

1	Fermenter (Bioreactor) <ul style="list-style-type: none"><li>• 5 Liter working vol.</li><li>• Top drive of agitator</li><li>• Steam generation through and electric heater</li><li>• Pressure Gauge</li><li>• Pressure Release valve</li><li>• Removable Baffle Assembly (four wings of baffle)</li><li>• Air filter</li><li>• Thermostatically controlled water cooling device one touch coupling jacket</li><li>• Sparger</li></ul>
2	Immuno electrophoresis apparatus: <ul style="list-style-type: none"><li>• With power supply</li><li>• Thin layer electrophoresis supplied with all micro immunological accessories</li></ul>

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## TERMS AND CONDITIONS:

1. Tender shall be accepted only on tender form. Additional information if any should be provided by attaching additional sheets.
2. Complete specifications of the equipment should be given. Leaflet, picture, dimensions and other relevant data should be provided.
3. Instruments quoted should be of mentioned makes and specifications.
4. Installation and supply shall be accepted at University campus only.
5. (A) Excise/ sales tax exemption shall be provided by the supplier whenever applicable.  
(B) Tax if any should be mentioned in the quotation along with firm's registration number and authorized stamps.
6. University reserves the right to accept/ cancel all the tenders without specifying any reason.
7. Earnest money should be paid in the form of Demand Draft only in favour of the **Finance Officer, Bundelkhand University payable at Jhansi.**
8. Validity of quoted rates shall be for one year from the receipt of supply order.
9. Income tax return, PAN Card, Experience Certificate, past three years balance sheet, F/L, A/C and self verified proof address should be produced with tender.
10. Before the payment, the installation of items will be examined by two technical expertise's from the university.
11. If the equipments item is not supplied as per specification, the firm/ supplier will be liable for the penalty clauses recommended by university.
12. Supplied equipments standard below the minimum specified will not be considered.

Signature of Supplier  
With address and rubber stamp

(Bhagwan Singh)  
Registrar