

GOVT. COLLEGE OF ENGINEERING & TECHNOLOGY, BIKANER
SCHEDULE - G

NIT NO. :-CET/STORE/2014-15/01

Tender for :- Material Science Lab Equip. for Mech. Dept.

Estimated Cost:- Rs. 708000/-

Sale of Tender :- Up to 12 Noon 12/8/2014

Earnest Money:-Rs. 14160/-

Last date of Tender Submission:-2.00 PM, 12/8/2014

Tender Cost:- Rs. 200/- (By Hand)

Opening Date of Tender:- 3.00PM, 12/8/2014

Tender Cost:- Rs. 240/- (By Post) (D.D.)

Bid Validity: 90 days from bid opening date

Delivery period:- 45 Days from order

S. No.	Name of Equipment	Specifications	Qty	Rate
1.	High Temp Tube Furnace with Cryostat circulating bath	<p>Maximum Temp.: 1400° C / 1650°C Working Temp.: 1600° C Temp. Accuracy: ±1° C</p> <p>Heating Elements: Molybdenum Disilicide (MoSi2) heating elements or equivalent</p> <p>Inner Chamber: Ceramic Refractory</p> <p>Insulation : Ultra high purity alumina low thermal mass insulation.</p> <p>Body : Made of mild steel duly Powder Coated Tube Material : High Purity Alumina Tube Size : Inner Dia. =40-50 mm Zone length =100-200 mm/Overall length=500mm soft start Facility and Step Down Air Cooled Transformer.</p> <p>Gas Purging : couplers with cooling attachment for purging of gases Temp. Control : Microprocessor based PID Digital Programmable Controller. Dual Display of Set & Actual Temp. with soft touch keys. With Thermocouple break Protection & Cold junction compensation. CE Mark to meet EMC regulations.</p> <p>Sensor : Pt-Pt/ Rh</p> <p>With Safety like : High Speed Semi conductor Safety Fuse for over load protection.</p> <p>automatic tripping Over current and short Circuit Protection:= High Temp. alarm Control panel := Separate Control Panel with all Electrical Accessories, can be placed On the side or bottom of the furnace. Power Supply : 415 volts, three phase AC supply.</p>	1	

		<u>CRYOSTAT CIRCULATING BATH :-</u> Bath volume (Lt.) :- 5-10Lt. Temp.Set Range:- (-)10°C to 30°C With accuracy ±0.2°C Controller-PID Microprocessor Controller Insulation:-Polyurethane foam/equivalent Pump-Capacity / Height-5-10 Lt. / min Safety-Over Current fuse / Over Temp. cut off Refrigerant-CFC Free		
2	Ball mill	For mixing and grinding electrically operated having capacity from up to 1-5 Kg fitted with at least ½ HP Motor Gear unit drive with minimum 80 RPM. The jar is made of mild steel and having mild Steel balls of dia 15-25 mm To operate on 220 volts 50cy Ac only.	1	
3	HYDRAULIC PRESS (HAND OPERATED):-	Compact Laboratory Hydraulic Press Capable of Producing force about, 10 Ton, Hand-Operated, for Die Pellet with Pressure guage, and lever without Die. With 05 set of die and plunger between 5 to 20 mm range.	1	
4	Ferric chloride reagent		05 Lit	
5	Hydrochloric acid		01 Lit	
6	Methanol		01 Lit	
6	Sample polishing machine with drier	Motor- 0.75kW to 01 kW 2 wheels with guards Wheel size- 8 to 12 inches Water inlet & outlet facility with flexible tap Speed of wheels -50 to 500 rpm in both directions Drier temperature range-30 to 70° C With Emery paper set of 10 pieces of each of grade 40,80,150,240,600	01	
7	Emery papers	Grade 40,80,150,240,600	100 pieces of Each grade	

Terms and conditions:-

- . All page of tender should be signed and stamped.
- STCC is compulsory. Party may be asked for the sample/demo.
- Tenderer must be manufacturer / Authorized Dealer/ Supplier having authorization of said make.
- Mention basic rate of items & taxes if any separately.
- Rate includes loading & Unloading at concerned lab./ workshop & FOR College of Engineering & Technology, Bikaner
- Tender will be finalized item wise.
- Successful firm has to submit agreement on stamp paper of Rs. 500 (Form 17) along with SD money @ 5% of order value.
- Committee has right to cancel tender of all or any item.
- In case of any clarification same can be clarify from store.
- Without EMD tender will be rejected.
- EMD and form charges should be in favor of Principal College of Engineering & Technology, Bikaner in shape of DD/Banker Cheque only.
- Order will be given in installment as or when required.
- Conditional Tender will not be accepted.