

# **GYAN GANGA INSTITUTE OF TECHNOLOGY & SCIENCES, JABALPUR (M.P.)**

**(SPONSORED BY ALL INDIA COUNCIL OF  
TECHNICAL EDUCATION, INDIA)**

**TENDER NOTICE FOR THE SUPPLY OF LABORATORY  
EQUIPMENTS**

**UNDER  
MODERNISATION & REMOVAL OF OBSOLESCENCE  
SCHEME**

**for the**

**Department of Mechanical Engineering  
Department**

**Tender Notice-** Supply of Laboratory Equipment for the  
Department of Mechanical Engineering

**DUE DATE: 25/11/11**

# Section-I

## Tender Notice

**GYAN GANGA INSTITUTE OF TECHNOLOGY & SCIENCES, JABALPUR**  
**Notice Inviting Tenders/ Tender Under AICTE MODROB Scheme, Tender No.**  
**02/MODROB/ 11-12**

1	The director GGITS Jabalpur (MP) invites sealed tenders from manufacturer/ authorized dealers for supply of different laboratory equipments in Mechanical Engineering Department as per details available on our website, <a href="http://www.ggits.org">www.ggits.org</a> .
2	The tender document may be downloaded from our website <a href="http://www.ggits.org">www.ggits.org</a> or can be purchased from the account office, in person on payment of non refundable fee Rs. 500.00 in the form of D.D. in favour of DIRECTOR,GGITS Jabalpur , and payable at Jabalpur. The bid will be rejected in the absence of fee.
3	The date of commencement of sale of bidding document: <b>18.11.2011</b> . Last date of submission & opening of tender document is <b>25.11.2011</b> at <b>03.00 P.M.</b>
4	The submission of Tender, evaluation and award of contract shall be guided by the terms and conditions in the tender document.
5	The earnest money @ 2 % or more may be deposited along with the tender as mentioned in the tender document.
6	The terms and conditions of supply as decided by the institute shall be binding on the supplier. Institute reserves the right to reject anyone or all Tenders without assigning any reason thereof.

**Address for Communication:** Director, Tilwara Ghat Road, Tripuri Ward, Bargi Hills , Jabalpur .

Phone: 0761-2671551/580/572,09424768423, E-mail: [director@ggits.org](mailto:director@ggits.org)

# Section-II

## TERMS & CONDITION

Following terms and conditions for furnishing the quotations are given below which may be strictly adhered to :-

1. Materials covered under this invitation are required to be delivered at consignee's location within 4 week from the date of issue of order and must carry a warranty of at least one year from the date of acceptance after successful installation.
2. The rates should be quoted inclusive of all taxes and price should be quoted both in words and figures.
3. The tender shall be kept valid for acceptance for a minimum period of three months from the date for opening of tenders.
4. For quoting the items one must have one's own established firm. The Project Evaluation Committee (PEC) may verify the veracity of the establishment before placing the order.
5. All parties must submit Photostat copies of Income Tax clearance certificate attested by gazetted officer along with their tenders, failing which their tenders shall be rejected. Moreover, selected party(s) must produce Income Tax clearance certificate in original for verification by PEC, during negotiation.
6. The PEC however, reserves the right to accept or reject any or all tenders without assigning any reason thereof. PEC is not bound to accept the lowest price. All the quoted items may not be purchased if PEC found any item not reliable or cant justified with negotiated price.
7. Payment will be made on successful installation and training. Supplier must provide proper training on hardware and software, installation and trouble shooting to the faculty members at free of cost, which will be monitored by Project Evaluation Committee.
8. Selected party will be bound to rectify fault within 72 hours of the receipt of the report. If maintenance requires more than 72 hours, they need to supply a stand by equipment, equivalent in configuration & functionality. No additional cost payment will be made for supplying standby equipment. They need to quote the warranty period of equipment supplied.
9. The last date for receiving sealed tender is **25.11.2011 till 03:00 pm.**
10. Complete address (with telephone, Email ID and fax numbers) of the firm's registered office/outlet for after sales service) , in INDIA, will have to be clearly indicated, also stating clearly the names and designations of sales service engineers / technical personal there in.

**Signature of the tenderer**

**Seal Of the Company :**

**Name Designation & Address of the person with phone , Email & Fax No. :**

# Section-III

## Specific Instructions to the Tenderers

### 1. INTRODUCTION

The bids complete in all respect shall be considered and opened for those tenders who submit the same before the prescribed time of submission of tender form. Tender received after due date shall not be considered by GGITS, Jabalpur.

1.1 The tenderers are requested to study the entire tender document/form before preparing and submitting the tender document. The bidder should submit the tender form cost of Rs.500/- at the time of submission by way of DD in favour of Director Gyan Ganga institute of Technology & Sciences, Jabalpur for consider the tender document valid.

1.2 All the documents required for the Bid should be put in one envelope, sealed and superscribed clearly as “**Tender for -----(Name)Software/Trainer Kits**”

1.3 All the documents listed in this chapter, except Bank Demand Drafts should be countersigned by the tenderer(s).

1.4 Tenderer(s) should provide all the documents required to be submitted with the tender document along with details of the demand draft in the envelope. A list may be enclosed giving details of all the requisite attachments.

1.5 The Letter of Submission of Tender, (Annexure-I), duly signed by the tenderer(s) giving complete address, telephone numbers ,email ID etc. should be submitted as a part of the Bid. The Letter of Submission of Tender should be submitted as the Top-Sheet of the Bid.

1.6 The tenderer should ensure that all the necessary documents are submitted in original/attested and countersigned by him or his authorized representative.

1.7 Rates should be quoted in original tender form or format enclosed as Annexure –II. The original tender document to be submitted along with the bid.

### 2. EARNEST MONEY DEPOSIT (EMD) & SECURITY DEPOSIT (SD)

2.1 The tenderers shall be required to deposit a sum of Rupees @ 2% of total cost as earnest money deposit (EMD). The earnest money shall be deposited along with the bid by crossed Demand Draft in favour of of Director Gyan Ganga Institute of Technology & Sciences, Jabalpur payable at Jabalpur. Cheques, Bearer Bonds, Promissory Note, Cash Certificate etc. will not be acceptable towards the earnest money.

2.2 No interest shall be allowed on the earnest money deposited.

2.3 The earnest money of the tenderers will be returned as soon as possible after the tender has been finalised.

**3. STATUS AND PREVIOUS EXPERIENCE OF TENDERER:**

3.1 Tenders not supported by satisfactory credentials will not be considered. Tenderers are supposed to disclose any adverse remarks or records against them.

3.2 The company or the firm should be in existence for a minimum of last two years.

3.3 The tenderer may also give a list of their on going contracts on hand, if any, for similar kind of work of with name of the party, volume of work etc.

3.4 GGITS also reserves rights to ignore/reject the tenders of such parties who have been blacklisted or whose contract has been terminated any time during preceding three years on the basis of their unsatisfactory performance/dispute.

**Signature of the tenderer**

**Seal Of the Company :**

**Name Designation & Address of the person with phone , Email & Fax No. :**

## Section-IV

### TECHNICAL SPECIFICATIONS OF Required Equipment

Bidder will have to provide the Laboratory Equipments. The technical configuration and specification for Laboratory Equipments are as follows:

Sr. No.	Specification	Quantity
01.	<p><b>Wear and friction tester (pin on disc machine)</b></p> <p><b>Specifications:</b>            Disk Rotation Range: 100 - 1500 RPM            Maximum Normal Load: 20 Kg            Frictional Force Range: 0 - 20 kg            Wear Measurement Range: 0 - 4 mm            Pin Size: 3 - 12 mm            Disc Size: 160 mm dia x 8 mm thick            Operating Voltage: 230V AC 50 Hz            Weights,            Cables: One set            Pins: One sample pin            Operation Manual: One</p> <p><b>Accessories:</b>            1) Lubricant Re-circulating System- With lubricant enclosure, pump, valve and on/off control switch            2) Digital Temperature Indicator - 2 Channel with temperature sensors            3) Computer Interface Facility            4) Wear and Friction Tester Software</p> <p>Parameters: normal load, rotational speed and wear track.            Sensors: normal load, wear (displacement), frictional force, speed.            Digital display, electronic motor control</p>	01
02.	<p><b>Surface Finishing (Plain grinder) Machine</b></p> <ul style="list-style-type: none"> <li>- For material testing lab</li> <li>- Metallurgical operation</li> <li>- With all attachments</li> </ul>	01
03.	<p><b>High temperature muffle furnace</b></p> <p><b>Specifications</b></p> <ol style="list-style-type: none"> <li>1. laboratory muffle furnace</li> <li>2. Max temperature:1800C</li> <li>3. Chamber size 200*200*200mm</li> <li>4. Heating element: MoSi2 heater</li> </ol> <p><b>Main Specifications</b>            Inside Chamber Size – 200 x 200 x 200 mm (8’’x8’’x8’’, 8 Liter)            Standard Working Temperature – 1600oC ( continuous )</p>	01

	<p>Maximum Working Temperature – 1700oC ( &lt; 3 hrs)  Temperature Control – 30 steps programmable and PID automatic control  Heating Rate – 0~ 10.C/ min (suggestion: =&lt; 10.C )  Temperature Accuracy - +/- 1 .C  Furnace structure – double shell with fan cooling  Heating Element – silicon carbide rods  Thermocouple – B type  Working Voltage – AC 380V Three Phases 60/50 Hz (or according to your requirement)  Max. Power – 8KW  Outside Size – 550 x 540 x 820 mm  Net Weight – 170 Kg  <b>Standard package included with the furnace:</b>  Thermal couple -1 pc  Stainless steel hook – 1 pc  Furnace door block – 1 pc  Thermal gloves – 1 pair  Operation manual –1 pc</p>	
<p><b>04.</b></p>	<p><b>UTM with computer controller</b>  Maximum test force:40ton  Host structure type: Four column  Power Indication accuracy: Better than <math>\pm 0.5\%</math> or <math>\pm 1\%</math>  Load resolution (KN): 1 / 500000 of full range  Effective force measurement range (KN): Maximum test force of 2% to 100%  deformation accuracy: Better than <math>\pm 0.5\%</math> or <math>\pm 1\%</math>  Deformation Resolution (<math>\mu\text{m}</math>): 2  Displacement indication Accuracy: Better than <math>\pm 1\%</math>  Stress control speed (Mpa / s):1~45  Strain control speed (mm / s):0.001~0.5  Displacement control speed (mm / s):0.02~3  Stretching space (mm):650  Compression space (mm):580  effective width(mm):520  Cylinder stroke (mm):250  hydro-cylinder underneath type (Double space): 860*660*2170  Round sample size (mm): <math>\Phi 20\sim\Phi 60</math>  Flat sample size (thickness <math>\times</math> width mm): 0~40*110  Total power (KW):2.3  <b>Function and characteristics:</b>  1, Automatic control, measurement, data acquisition and processing, drawing and printing test curve (which parts can be zoomed in or out ) and test reports;  2, Monitoring system being calibrated and turned to zero automatically;  3, Testing force, deformation and displacement are controlled by speed, and the controlling error is less than <math>\pm 1\%</math> of settings;  4, Stepless speed regulation, control speed and control way can be converted randomly in the testing and also can be kepted;  5, Data storage and amplification of curve. In testing, it can be arbitrary show</p>	<p><b>01</b></p>

	<p>different test curve;</p> <p>6, In programme process, it can be converted to manual control ,adjust manually and control speed at any moment.</p> <p>7, Automatic protection if testing force overloading; the scope of protection can be arbitrary setted, such as can be setted to 5% or 10% of the max testing force;</p> <p>8, It can be conducted on network between testing labs and convenient for management.</p>	
<b>5.</b>	<p><b>Consumables</b></p> <ul style="list-style-type: none"> <li>- Metal powders (Al, Cu, Mn etc with 99% purity)</li> <li>- Lubricants (Liquid and solids)</li> <li>- Extrusion dies, Compaction dies (of different shapes)</li> </ul>	



**ANNEXURE-I**  
**LETTER OF SUBMISSION OF TENDER**

To  
**The Director,**  
Gyan Ganga Institute of Technology & Sciences, Jabalpur  
Bargi Hills, Tilwara Road,  
Jabalpur

**Sub: Tender for supply, installation & maintenance of Laboratory Equipment to Gyan Ganga Institute of Technology & Sciences, Jabalpur**

1. Subject to the instructions and conditions given in the tender document, terms and conditions of contract and agreement, I/We hereby tender for supply, installation, and maintenance of Laboratory Equipment to Gyan Ganga Institute of Technology & Sciences, Jabalpur. The rates specified by me/us in the prescribed form of **Schedule of Rates** enclosed. I/We hereby certify that I/we have examined and am / are familiar with all the provisions of this tender document and agree to abide by all the terms and conditions.
2. The following certificates / documents are enclosed:
  - a) Detailed list indicating documents / statements submitted as part of Bid.
  - b) Crossed demand draft towards the earnest money.
  - c) Proof of existence of firm in trade for a minimum period of 2 years.
  - d) Authorization certificate from manufacturer of equipment..
  - e) Documents indicating ongoing contract in hand, if any.
  - f) Documents like audited Balance sheet for last 2 financial years, regarding financial standing of the firm/ company. Documents regarding constitution of the firm / company like partnership deed, memorandum and articles of association etc.
  - g) This tender document with all pages intact and duly signed by the tenderer.
  - i) If tender form is downloaded from Internet then attached DD of Rs.500/- & if application is purchased from the account section Please attached the receipt.
3. A sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) is forwarded herewith as earnest money in the form of demand draft No. \_\_\_\_\_ drawn on \_\_\_\_\_ in favour of Director, Gyan Ganga institute of Technology & Sciences, Jabalpur. payable at Jabalpur. I/We agree to adjust this amount as security deposit, if the tender is allotted to us and the same may be refunded at the end of the warranty period. No interest shall be paid on this security deposit amount.
4. I/We agree to keep this price valid for a period of Three months from the date fixed for opening the same which can not be withdrawn from the said period.
5. I/We do hereby declare that the entries made in the tender document and the Annexures / appendices attached therein are true.

Yours faithfully,

**Signature of the tenderer**

**Seal Of the Company :**

**Name Designation & Address of the person with phone , Email & Fax No. :**

## ANNEXURE-II

### BID FORM & PRICE SCHEDULE FOR PURCHASE, INSTALLATION AND MAINTENANCE OF ITEMS MENTIONED IN SECTION IV OF THIS TENDER DOCUMENT

Sr. No.	Name of Laboratory Equipment	Please mention make & model giving full configuration & specification (attach separate sheets if required)	Quantity	Rate Cost Per Unit	Total Cost	
					Rs. in figure	Rupees in words

Gross Total Cost: Rs. \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications and all the conditions specified in the Purchase Order for a total contract price of Rs. \_\_\_\_\_ (amount in figures) (Rs. \_\_\_\_\_ (amount in words) within Six weeks from the date of receipt of Purchase Order.

We also confirm that the normal commercial warranty / guarantee of One years shall apply to the offered goods from date of installation and satisfactory demonstration.

**Signature of the tenderer**

**Seal Of the Company :**

**Name Designation & Address of the person with phone , Email & Fax No. :**