

# VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA



P.O: Engineering College Burla (Siddhi Vihar), Dist: Sambalpur

Odisha- 768018, India

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Ref: No: VSSUT/MME/ 7944 /2016

Date: 31/08/2016

## TENDER CALL NOTICE

Sealed Bids (properly stitched separately) in two separate covers (**Technical Bid and Price Bid**) are invited by the “**The Registrar, Veer Surendra Sai University of Technology, Odisha**” from the manufacturers/authorized distributors/ dealers for supply of Instrument, equipment of reputed make (National/ International) for the Department of Metallurgical & Materials Engineering, VSSUT Burla, Odisha. The list of equipment and their technical specifications are mentioned below.

### The list of Equipment

Sl. No	Description	Quantity	Remarks
1.	Universal Testing Machine	1 No.	Annexure -VI

The Bidders may download the **Tender Documents** directly from the website available at <http://www.vssut.ac.in> and the Tender cost fee of Rs.2000/- (Non-refundable) by way of separate Demand Draft drawn in favour of “**The Registrar, Veer Surendra Sai University of Technology, Burla**” payable at **SBI, Burla** should be enclosed along with the Bid. The Tender cost fee and the EMD amount should be submitted separately in separate demand drafts. In case of any bid clarification, responsibility lies with the bidders to collect the same from the website and the purchaser shall have no responsibility for any delay/ omission on part of the bidder.

### **TIME SCHEDULE:**

- Price of bidding document: Rs.2000/- (Non-refundable)
- Date of commencement of downloading bidding document 01.09.2016 at 11.00 AM
- Last date and time for Receipt of bids 24.09.2016 up to 12 noon
- Time and date of opening of Tender & technical bid 30.09.2016 at 11.30 AM
- place of opening of tender and address for communication and receipt of bid documents

**THE REGISTRAR**  
**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA**  
**At- Burla, Po-Burla Engineering College, Dist-Sambalpur-768018,**  
**Tel. No-0663-2430211 Fax No-0663-2430204**



**REGISTRAR**

**VSSUT Burla**

## General Terms and Conditions

**GENERAL TERMS & CONDITIONS OF CONTRACT FOR SUPPLY, INSTALLATION AND DEMONSTRATION OF THE INSTRUMENTS, EQUIPMENT REQUIRED FOR DEPARTMENT OF METALLURGICAL & MATERIALS ENGINEERING, VSSUT, BURLA, ODISHA.**

### **1. Document Establishing Bidder's Eligibility & Qualification**

The Bidders shall furnish as part of the Bid the following Documents establishing Bidder's eligibility and qualification to the Purchaser's satisfaction.

1.1 Manufacturer / Authorized Distributor / Dealer having valid license / certificates for the quoted item and the direct Importers holding valid Import License Manufacturer / Authorized Distributor / Dealer of the product are eligible to participate in the Bid.

1.2 Bidders should have **ISI or equivalent** certification for quoted instruments and equipment. However, the Purchaser shall have the right to consider the items where ISI or equivalent certification is not applicable.

1.3 The Bidder whether manufacturer/ distributor/ dealer must have experience of supply and installation of the quoted items in reputed Government Institutions / Public Undertakings / reputed Private Institutions within India during last preceding 3(Three) years reckoned from the date of bid opening and the details must be submitted along with documentary proof.

1.4 The Bidders shall have to produce document in support of their service associates **nearest to Bhubaneswar/ Sambalpur**, Odisha.

1.5 Bidder shall have to provide operational Training for instruments/equipment to one Official of each consignee at Suppliers Plant or Consignee site **at least for 7 days whichever is suitable to Purchaser.**

1.6 The Bidder shall quote items of one reputed Brand/model with all accessories in complete to perform functionality of Equipment/Machinery.

1.7 Manufacturer has to submit copy of Industry Registration of quoted products and Tax Registration Certificate issued from Competent authority. In case of Authorized Distributor /

Dealer/Suppliers have to submit Manufacture authorization along with copy of above documents of Manufacture Industry.

## **2. Document Establishing Goods Eligibility**

The instruments and equipment offered against the schedule of requirement of instruments, equipment should be in accordance with the stipulated specifications and of one reputed brand/model

- 2.1 The documentary evidence establishing the brand and the model may be in the form of literature, pamphlets, manuals, drawing, circuit diagram etc.
- 2.2 Detailed description of instruments and equipment with essential technical and performance characteristics may also be furnished.
- 2.3 The Bidders should clearly mention in their bid regarding the compatibility of the various equipment or the individual units.
- 2.4 The quantity shown in the bid can be increased or decreased to any extent depending upon the actual requirement.
- 2.5 The instruments and equipment should have testing certificate for its satisfactory functioning.

## **3. Technical Bid (COVER - A)**

The following document should be submitted in Cover-A.

- 3.1 Earnest Money Deposit
- 3.2 Technical details of the equipment and machineries as per **Annexure-V**
- 3.3 Copy of the manufacturing license/ import license/ Authorized Distributor/ Dealer certificates
- 3.4 Copy of the authorization from the Manufacturing Company in case of Authorized Distributor /Dealer.in **Annexure-III** along with Manufacturer Industry Registration and Tax Registration Certificate.
- 3.5 VAT/ST clearance certificate up to **date** where applicable.

- 3.6 Performance/ Market standing certificate establishing that the Bidders have executed supply of similar items as mentioned in Schedule of Requirement of instruments and equipment to different Govt. Organizations/ Government PSUs / reputed Private Institutions. (proof of documents)
- 3.7 Copy of the IT PAN Card.
- 3.8 Detail name, address, telephone no. fax, e-mail of the firm and of the Director/ Managing Director/ Proprietor of the firm (As per **Annexure IV**)
- 3.9 Address, Telephone No., e-mail, Fax of the Branch Office/ Contact Person/ Liaisoning Office in Odisha. (As per **Annexure IV**)
- 3.10 Power of Attorney/ Authorization to a person for liaisoning and monitoring the business on behalf of the manufacturer / bidder but not entitled to raise the bills.
- 3.11 Document if any to establish the reorganization of the manufacturing unit in respect of ISO or equivalent.
- 3.12 **The original bid document signed & sealed by authorized person in each page as a token of acceptance of all terms and conditions of the tender with original receipt.**
- 3.13 Documentary evidence establishing that the instruments & equipment and ancillary services to be supplied by the Bidders shall confirm to the Bidding Document
- 3.14 Any deviation in the specification of the item including standard accessories / optional accessories in complete for functionality of Machine should be marked in **bold letters**.
- 3.15 Details of foundation drawing for instruments and equipment, if any, should be provided.
- 3.16 The details of the service station / service associates nearest to Bhubaneswar/Sambalpur shall have to be submitted to qualify in the technical bid.
- 3.17 Willingness to provide operational Training for Machineries to one Official of each consignee at Suppliers Plant or Consignee site **at least for 7 days whichever is suitable to Purchaser.**

#### 4. **Price Bid (COVER – B)**

- 4.1 The hard copy of price bid giving the rates for various instruments & equipment and other items should be submitted along with sealed soft copy of **price bid in Excel format through CD/Pen drive** both in separate sealed cover here in after called **Cover B (Price Bid)**. **Price Bid (Cover - B)** of the bidders who qualify in **Technical Bid (Cover – A)** will only be opened and will be communicated through **E-mail/Fax**.
- 4.2 The price of each item shall be quoted as per the prescribed Price Schedule Format at **Annexure-I** along with price break up of custom duty, Excise Duty, CST, Packing, Forwarding and Handling charges, Insurance charges, ET, freight up to destination including unloading, VAT, commissioning including testing and training with total price per item at **FOR** destination. The bidders are required to submit the individual price of each instrument(s) and equipment(s) as indicated in the schedule of requirements.
- 4.3 Each quoted item and all accessories should cover the warranty / guarantee for **2(two)** year from the date of commissioning (**Annexure-II**).
- 4.4 The **Cover B** of the technically qualifying bidders shall be only opened at the Office of the **“The Registrar, Veer Surendra Sai University of Technology, Burla”** on the date and time to be communicated to them after technical evaluation of **Cover A by E-mail/Fax..**
- 4.5 The cost of standard accessories shall be included in basic price and optional accessories shall have to be quoted separately.
- 4.6 The bidders are required to submit the list of the spare parts required for the machine as well as the list of the dealers/ Distributors of the spare parts nearest to Bhubaneswar, Odisha for its availability.

#### 5 **BID CONDITIONS**

- 5.1 The bidders should verify the sites of existing laboratories of Department of Metallurgical & Materials Engineering, VSSUT, Burla and the proposed lay out Plan indicating the location of each unit for necessary Technical Evaluation. The scope of Supply as mentioned in the

schedule of requirements if not sufficient for full function of the Equipment/Machinery should be intimated in writing with the technical bid.

5.2 The quoted rate shall not vary with the quantum of order placed or destination point.

5.3 A copy of the original bid conditions and the schedules should be signed by the bidder at the bottom of each page with the office seal duly affixed and returned along with the bid. Bid schedule should be duly filled in with an **index** and **page number** for the documents, enclosures & EMD etc. **Paging** must be done for all the documents submitted.

5.4 Bids should be type written or Computerized and every correction/ over writing in the bid should invariably be attested with signature of the bidder with date before submission of the bids to the authorities concerned. No revision of price upward or downward will be allowed once the bid is opened. However, the purchaser shall have the right for considering the exchange rate of foreign currencies on verification of documents.

#### 5.5 Language of Bid

The Bid prepared by the bidders and all correspondence and document relating to the bid exchanged by the Bidders and the *Purchaser*, shall be written in the English language. Supporting document and printed literature furnished by the Bidders may be written in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the English translation shall govern.

#### 5.6 Bid Price

- The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialling, dating and re-writing.
- All duties, taxes, and other levies payable on the raw materials and components, job contract shall be included in the total price. VAT in connection with the sale shall be shown separately.
- The rates quoted by the bidders shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- The price shall be quoted in Indian Rupees (Preferably).

- Prices will be quoted on F.O.B. destination as well as estimated CIP Burla basis for imported goods, Indian Agency commission/rebate payable to Indian Agent, if any, shall be shown separately and that will be payable in equivalent rupee directly to Indian Agent. The supplier shall be responsible to get the goods air – freighted /sea freighted & air insured/marine insured up to the Institute.

### 5.7 VAT/ST clearance

Copies of valid VAT clearance Certificates shall be furnished by the Bidders and the originals of the above certificates shall be produced to the purchaser before placement of notification of award if asked for by the Purchaser.

### 5.8 EMD

All bidders are required to submit EMD **not less than 2% of the quoted amount** in shape of **Demand draft** drawn in favour of **“The Registrar, Veer Surendra Sai University of Technology, Burla”** payable at **SBI, Burla** only. The EMD shall be in Indian Rupees.

**NOTE:** Non-submission of EMD or submission of less EMD than the desired one shall result in rejection of Bid. The EMD deposited against other Bids cannot be adjusted or considered for this Bid. No interest is payable on EMD.

### 5.9 SUBMISSION OF BIDS

#### Sealing and Marking of Bids

Bid should be submitted in two Bid system containing two parts as detailed below.

#### **Sealed Cover-A: Technical Bid.**

#### **Sealed Cover-B: Price Bid (hardcopy & sealed soft copy in CD/pen drive)**

Both the sealed envelopes should then be put in one outer cover and each cover should have the following indication:

- i) Name of Dept.: \_\_\_\_\_
- ii) Reference No of Bid \_\_\_\_\_
- iii) Bid regarding \_\_\_\_\_
- iv) Due date & time for submission of the Bid \_\_\_\_\_
- v) Due date & time for opening of the Bid \_\_\_\_\_



vi) Name of the Firm \_\_\_\_\_

**NOTE:**

**A. Bids submitted without following two Bid system procedures as mentioned above will be summarily rejected.**

**B.** Please Note that **prices should not be indicated in the Technical Bid**. The Prequalification document including EMD as required in the Bid document should invariable be accompanied with the Technical Bid (**Cover A**).

The outer envelope shall indicate the name and address of the bidders to enable the bid to be returned unopened in case it is declared “**late**”. If the cover containing the outer envelope is not sealed and marked as required, *Purchaser* will assume no responsibility for the bid’s misplacement or premature opening.

The above procedure shall be adopted both for the Technical bid and price bid separately. Telex, cable, email or facsimile bids will be rejected.

#### **5.10 Deadline for Submission of Bids**

Bids must be received by the *Purchaser* at the address specified not later than the time and date specified in the Invitation of Bids. In the event of the specified date for the submission of bids being declared a holiday for the *Purchaser*, the bids will be received up to the appointed time on the next working day.

The *Purchaser* may, at its discretion, extend this deadline for submission of bids by amending the bid document, in which case all previous rights and obligations of the purchasers and bidders will remain same till the extended date.

#### **5.11 Modification and Withdrawal of Bids**

No Modification and Withdrawal of Bids is allowed between the interval of time of submission and the last date and time of the bids.

No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidders on the bid form.

## 5.12 BID OPENING

5.13 The *Purchaser* will open all bids, in the presence of bidder's representatives who choose to attend at **11.30 AM on dated 30.09.2016** at the Office of the "**The Registrar, Veer Surendra Sai University of Technology, Burla**".

5.14 The bidder's representatives who are present shall sign a register evidencing their attendance. In the event of the specified date of bid opening being declared a holiday for the *Purchaser*, the bids shall be opened at the appointed time and location on the next working day.

5.15 The bidder's names, and the presence or absence of the requisite EMD and such other details as the *Purchaser*, at its discretion, may consider appropriate will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the bidders.

## 5.16 Acceptance of the Bid

- Bidders submitting bids would be considered who have considered and accepted all terms and conditions. No enquiries, verbal or written, shall be entertained in respect of acceptance or rejection of the bid.
- Genuine equipment and instrument etc. should be supplied. Bidders should indicate the source of supply i.e. name and address of the manufacturers from whom the items are to be sourced.
- Supply of equipment means – Installation and Commissioning (except civil works), Demonstration as well as Training at site. **No separate charges will be paid on this account.**

## 5.17 Rejection of the Bid

The Bid document shall be out-rightly rejected under following stipulation and no correspondence will be entertained whatsoever.

- If the Bidders has not furnished the required **Tender paper cost** and **EMD**
- If the Bidders has not submitted the Price as per the prescribed format **Annexure-I**
- **Manufacturing Authorization Annexure-III and in case of Authorized Distributor / Dealer/Suppliers have to submit Manufacture authorization along with copy of above documents of Manufacture Industry.**

- If the bid is not supplemented with breakup of standard accessories / Optional accessories & cost of AMC separately for three years after completion of warranty period.
- Photo copy of the up-to-date valid manufacturing license/ import license (if it is imported) /dealership certificate/Distributor certificate of the product along with Tax Registration Certificate of Manufacturer issued from competent authority.
- If the bidders, whether manufacturer or authorized distributor/ dealer have not supplied the required quantity for qualification as per the eligibility criteria and not submitted the performance statement at **Annexure-IV with supporting documents.**
- If the quoted product of the bidders not confirms to technical specification with complete accessories for functional Equipment/Machinery and standard of workmanship required by the Purchaser.
- If the bidder has not furnished technical details of the equipment's with **one make & model** as per **Annexure-V.**
- **If bidder will quote items of more than one make/model.**
- If the bidder has not furnished detailed mandatory drawings, **catalogue/**, Foundation drawings & schedule of supply of items, if required.
- If the bidders have not agreed to give **bid validity.**

#### 5.18 Purchaser's Right to Accept any Bid and to Reject any Bid

The Purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all the bids without assigning any reason thereof at any time prior to award of Contract, without thereby incurring any liability to the affected Bidders or Bidders on the grounds of such action of the purchaser. In case no bidder qualifies as per qualifying criteria and standards, purchaser may at his discretion relax qualification criteria for award of contract.

#### 5.19 Evaluation and Comparison of Bids

The comparison shall be of FOR destination price basis including the price of all costs wherever applicable as well as duties and taxes (**but excluding VAT**) paid or payable on Machineries, instruments & equipment incorporated or to be incorporated in the items including the warrantee/guarantee period from the date of installation.

- The Purchaser's evaluation of a bid will take into account, in addition to the bid price and the price of incidental services.
- The purpose of bid evaluation is to determine substantially responsive bid with the lowest evaluated cost, but not necessarily the lowest submitted price, which should be recommended for award.
- Evaluation of bids should be made strictly in terms of the provisions in the bid document to ensure compliance with the commercial and technical aspects.
- The past performance of the suppliers will be taken into account while evaluating the bids.
- Cost of the inland transportation, insurance and other costs within the Purchaser's Country incidental to delivery of the goods to their final destination;
- Delivery schedule offered in the bid;
- Deviations in payment schedule from that specified in the General Terms & Conditions of Contract;
- The availability in the Purchaser's country of spare parts and after-sales services for the goods offered in the bid;
- The projected operating and maintenance costs during the life of the equipment/ goods.
- The performance and productivity of the equipment/ goods offered;
- The quality and adaptability of the equipment/ goods offered.
- Any other point as deemed proper to be incorporated by the evaluation committee.
- **Alternative options of offer shall not be allowed.**
- Each Bidder shall submit only one quotation with one make & model.
- The quotation would be evaluated separately for each item
- Sales Tax in connection with sale of goods shall not be taken into account in evaluation.
- Negotiation shall be made with the lowest evaluated bidder.
- Lowest evaluated price shall be taken in to consideration, but not the lowest quoted price.
- Willingness to provide operational Training to one Official of each consignee at consignee site for at least **7 days whichever is suitable to Purchaser.**

## **6.0 Supply Conditions**

### **6.1 Delivery of Goods**

The delivery of goods shall be made by the supplier to the Consignee in accordance to the order placed as shall be detailed in the Schedule of requirements & technical specifications.

### **6.2 Instruments, Equipment Demonstration cum Inspection**

Purchaser reserves the right to ask for demonstration cum inspection of the instruments & equipment where ever applicable.

### **6.3 Inspection/ Test/Training**

The supplier shall get each equipment inspected in manufacturer's works and submit a test certificate (New & Unused) and also guarantee/warranty certificate that the equipment confirms to laid down specifications.

The supplier shall invite the purchaser for pre-dispatch inspection. The Purchaser or his representative shall have the right to inspect/ examine/ test the goods in conformity with the contract awarded/supply order during the production or before dispatch from the manufacturer's premises. Such inspection and clearance will not prejudice the right of the consignee to inspect and test the equipment on receipt at destination.

The inspection/examination/ test may be conducted in the premises of the Supplier or at the goods final destination or at the premises of the consignee, as will be decided by the Purchaser.

The purchaser's right to inspect/ examine/test & where necessary to reject the instruments & equipment after the arrival of the goods at the final destination, shall in no way be limited or waived by the reason of the goods having been inspected and tested by the manufacturer previously. In case of rejection of the goods at the final destination after inspection and test as stipulated above and in case any inspected/ tested goods fail to confirm to the specification/ working condition, the purchaser may reject them and the supplier shall replace/ repair the same free of cost.

#### 6.4 Warrantee Period (comprehensive)

The Bidders must quote for a minimum period of **3 (Three) years** of comprehensive **warranty** from the date of completion of the satisfactory commissioning as per (**Annexure-II**). This also includes all accessories related to instruments & equipment quoted for.

#### 6.5 Payment Terms

- The supplier shall submit all bills in triplicate on printed forms to the University.
- The billing must be done with Odisha State VAT billing.
- The supplier must submit valid and up-to-date VATCC and copy of IT return along with the bill before release of payment.
- The University will make payments through account payee cheque drawn on SBI Burla, in Indian Rupees. No interest on any deferred claim arising out of this purchase shall be payable in any case whatsoever.
- No payment will be made for instruments rejected at site during demonstration.
- The prices charged by the supplier for instruments delivered and services performed under the contract shall not be higher from the prices quoted by the supplier in this Tender.
- The 100% of the billed amount will be released only after 30 days of receipt of instruments in good conditions and successful performance on site from the final date of demonstration as per the specifications.

##### *Payment Terms for imported instruments:*

- In case of imported instruments, the mode of payment will be through TT (Telegraphic transfer) after receipt of instruments in good conditions and successful performance and demonstration as per the specifications.
- However, Indian Agency Commission or Technical Services charges would be paid in Indian rupee after satisfactory receipt & installation of goods at site. Indian Agency Commission should be declared in the price bid. If Indian agency commission is not mentioned in the price bid no claim for it shall be admissible afterward.

#### 6.6 Transportation

The Supplier shall be required to meet all transport and storage expenses until commissioning of the instrument(s) / equipment covered in the contract.

## 6.7 Taxes and Duties

The Supplier shall be entirely responsible for payment of all Taxes, Duties etc. incurred until delivery of the contract goods to the Consignee subject to recovery afterwards in the bill as claimed in the Bid offer.

VAT as applicable is payable, to the suppliers of the State of Odisha if claimed in the Bid offer.

VAT/ CST will be paid to the Suppliers of the outside State other than Odisha, if claimed in the Bid offer. Any revision of VAT/ CST shall automatically be taken into account.

**Entry Tax**, if paid by the Supplier, at the local (destination head) Corporation/ Municipality/ NAC is allowed once only on production of money receipt for such payment, if claimed in the Bid offer. Any other statutory levy imposed by the Govt. of India/ Govt. of Odisha from time to time will be considered extra on demand with adequate proof thereof The service tax and the work contract tax shall be levied (Wherever applicable). Income Tax as applicable shall be deducted at source.

## 6.8 Incidental Services

The Supplier shall be required to provide any or all of the following services: (The cost should be included in the quoted Price)

- Furnishing of detailed literature/pamphlets/ circuit diagram/ operation & maintenance manual / drawings (as applicable) for each appropriate unit of supplied goods.
- Furnishing of tools required for assembly and / or maintenance of the supplied goods.
- Performance or supervision of on-site assembly and the supplied goods.
- Performance or supervision or maintenance and/ or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty/ guarantee obligations under the contract.
- **Training of the Purchaser's personnel at the Supplier's plant and / or on site, in assembly, start up, operation, maintenance and/ or repair of the supplied goods is mandatory. A maintenance contract for the goods supplied, if required by the user beyond the warranty period shall be on mutually agreed upon terms between the user and supplier. The cost of such maintenance contract shall not be included in the Bid cost.**

## 6.9 Period of Validity of Bids

- The bid rates should be kept open/ valid for a period of **180** days from the date the Bids are opened.
- A bid valid for a shorter period i.e less than **180** days shall be rejected, as nonresponsive.
- In absence of any indication of the date of validity in the bid, it will be presumed that the offer will remain valid for the minimum period i.e. **180** days as prescribed above.
- In exceptional circumstances the purchaser may solicit the bidders consent for extension of the period of validity. If agreed upon, the bid security so deposited shall also be suitably extended.

## 6.10 Commissioning Period

Maximum commissioning period is **30 days** from the date of supply OR **120 days from the date of issue of Purchase Order** failing which the purchaser will have the right to impose penalty for the delay period @ **0.5% per week of the contract value of item/items excluding taxes from the bill amount subject to maximum of 10%**. However, Registrar has right to extend the delivery period/commissioning period in special cases.

## 6.11 Penalty against Non Supply

In case of non-supply of Stores within the due date i.e. within the date of delivery the EMD deposited by the bidder shall be forfeited.

## 6.12 Rejected items

No payment shall be made for rejected supplied items. Rejected items must be removed by the bidders within two weeks of the date of rejection at their own cost and replace immediately. In case these are not removed these will be auctioned by the purchaser (at the risk and responsibility of the suppliers) without any further notice.

## 6.13 Annual Maintenance Contract

The Cost of Annual maintenance contract for next 3 years after warranty period shall be submitted as per the **Annexure at I(b)**. The after sales service during and after the warranty / guarantee period should be available from companies own engineers.



#### 6.14 Jurisdiction of the Court

The Purchaser and the Supplier shall agree that the competent Court at Sambalpur shall have the jurisdiction to try and decide anything between the parties and they may approach the Competent Court at Sambalpur if required at any time.



**REGISTRAR**  
**VSSUT, Burla**

**ANNEXURE-I (a)**

**PRICE SCHEDULE (ITEM WISE) PRICE SCHEDULE (ITEM WISE)**

Item Serial No	Item Description	Country of origin with make & model	Quantity & Unit								
				Exware house/ Ex-showroom/ Off-the-shelf (a)	Excise duty/Custom duty, if any (b)	Packing & Forwarding (c)	Inland transportation, insurance and other local costs incidental to delivery (d)	CST/Entry tax, if any (e)	<b>Unit price</b> (a+b+c+d+e)	<b>VAT (f)</b>	<b>Total Price</b> (a+b+c+d+e+f)

**ANNEXURE-I (b)**

**PRICE SCHEDULE (ITEM WISE) - B**  
**PRICE SCHEDULE FOR ANNUAL MAINTANCE CONTRACT AFTER COMPLETION OF WARRANTY PERIOD.**

Sl.No	Brief description of Goods Total annual	Quantity in nos.				Annual Maintenance Contract cost 3 years i.e. 3x (4a+4b+4c)	
1	2	3	4			5	
			1st yr.	2nd yr.	3rd yr.		
			(a)	(b)	(c)		

After Completion of warranty period

**Note: -**

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Annual Maintenance Contract (AMC) which includes preventive maintenance including testing & calibration as per technical/ service/ operational manual, labour and spares, after satisfactory completion of warranty period may be quoted for next 3 years on yearly basis for complete equipment and turnkey (if any).
3. The cost of AMC may be quoted along with taxes applicable on the date of bid opening. The taxes to be paid extra, to be specifically stated. In absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of AMC will not be added for Ranking/Evaluation purpose. However, the cost of AMC for lowest evaluated bidder is subject to negotiation.
5. The payment of AMC will be made as per payment terms of the bid document.
6. The uptime warranty and down time penalty shall be as per the bid document.
7. All software update should be provided free of cost during AMC period.
8. The stipulations in Technical Specification will supersede above provisions.
9. The supplier shall keep sufficient stock of spares require during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Place:

Date:

Signature of Bidder  
Business Address  
Seal of the Bidder

**ANNEXURE - II**

**WARRANTY MAINTENANCE CONTRACT AGREEMENT.**

THIS AGREEMENT made the.....day of ....., 20\_\_\_ between the “**The Registrar, Veer Surendra Sai University of Technology, Burla**” (hereinafter "the Purchaser") of the one part and M/s..... (here in after called "the Supplier") of the other part:

WHEREAS the Purchaser invited bids for certain Goods & ancillary services viz, supply and commissioning of the instruments & equipment at Bhubaneswar including Comprehensive Warranty Maintenance Services and has accepted a bid by the Supplier for the instruments & equipment specified below at the Consignee site including Comprehensive Warranty maintenance Services for a period of 2 (Two) year from the date of installation & commissioning of the instruments & equipment as per award of Contract No..... dated

**Name of the Equipment & machineries Qty**

(To be filled in as per details of goods in the award of Contract)

**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. Maintenance Services shall consist of Preventive and Corrective maintenance of equipment specified above & will include repair and replacement of parts free of cost.
2. Preventive maintenance, monthly once, which includes:
  - 2.1 Check-up to ensure that device connection is proper, cabling is at proper condition etc.
  - 2.2 Cleaning of the above instruments & equipments and checking the System Performance.
3. The Supplier is to furnish the tentative schedule of the preventive maintenance of Warranty Maintenance Contract (WMC) to be carried out.
- 4 The parts replaced must be new parts or equivalent in performance to new parts.
5. The Supplier will also provide the same maintenance service in case of the movement of equipment from the place of original installation to a different place or location, if the equipment is shifted by the Purchaser to another place or location at the cost and risk of the purchaser.
6. Any complaint informed through telephone must be acknowledged with a Complaint No. by the Supplier which will be noted by Consignee. All further contact with the Supplier on such complaint will be initiated through that Complaint No. Once rectification done, that No. will be cancelled by both parties. A register is to be maintained by the Supplier where complaints are to be noted along with Complaint No.
7. The maintenance shall normally be done at the earliest.
8. The Service Engineer of the Supplier will be allowed to handle the respective plant & machineries only in presence of the officer in charge at the Consignee site.

9. The Supplier should ensure that maintenance job is not hampered/delayed due to paucity of spares/inadequate manpower etc.
10. The Supplier should submit the services call report, to the Consignee for each and every service call without fail.
11. The Supplier evaluation data format for the WMC of Consignee systems may be filled up for necessary action.
12. All formats after filled up should be signed at the end of each page by the Supplier.
13. After completion of the work/repair/maintenance, the Purchaser shall issue a certificate of completion to the supplier to that effect.

Signature

For the Purchaser

Name:

Designation:

Address:

Telephone No:

Signature

For the Supplier

Name:

Designation:

Address:

Telephone No:

**ANNEXURE-III**

**MANUFACTURES' AUTHORISATION FORM**

No. \_\_\_\_\_ / Date \_\_\_\_\_ /

To

The Registrar,  
VSSUT Odisha  
Burla, Sambalpur.

Dear Sir, Bid No. \_\_\_\_\_

We \_\_\_\_\_ who are established and reputable manufacturers of \_\_\_\_\_ having factories at \_\_\_\_\_ (Address of Factory) do thereby authorize M/s. \_\_\_\_\_ (Name and address of Agent) to submit a bid and sign the contract with you against the above bid.

\* No company or firm or individual other than M/s. \_\_\_\_\_ are authorized to bid and conclude the contract in regard to this business against this specific invitation for bid.

We hereby extend our full guaranty and warranty as per general conditions of contract for the goods and services offered by the above firm against this bid.

Yours faithfully,  
(Signature for and on behalf of Manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person, competent and having the power of attorney to bind the manufacturer. It should be included original by the Bidders in its bid.

- This para should be deleted for simple items where manufacturers sell the product through different stockiest.
- The Supplier/Managing Director of the Company (if the supplier is a Company) or the Power of Attorney Holder having specific power to sign the contract can only sign the contract/execute the agreement.

**ANNEXURE-IV**

**DETAILS OF THE BIDDERS**

Bid Reference No.

Name and address of the Bidder:

01 Name of the bidder

- a) Full postal address
- b) Full address of the premises
- c) Telegraphic address
- d) Telephone number
- e) Fax number
- f) E mail:
- g) PAN No
- h) TIN No

02 Total annual turn-over (value in Rupees)

03 Quality control arrangement details

04 Test certificate held

- a) Type test
- b) BIS/ISO certification
- c) Any other

05 Details of staff

- a) Technical
- b) Skilled
- c) Unskilled

06 Branch Office/ Contact Person/ Liaisoning Office in Odisha.

- a) Address
- b) Telephone No.
- c) e-mail,
- d) Fax

Signature and seal of the Bidder

**ANNEXURE-V**

**Technical details of the Equipment's to be supplied by the bidder**

<b>Bid SI No. of the item</b>	<b>Tender specification</b>	<b>Bidders Specification with make and model no (Enclose manufactures catalogue / brochure for each item)</b>	<b>Deviation if any With university specification</b>

Signature and seal of the Bidder



# VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA



P.O: Engineering College Burla (Siddhi Vihar), Dist: Sambalpur  
Odisha- 768018, India

Ref: VSSUT/MME/ 7944 /2016

Date: 31/08/2016

## TENDER CALL NOTICE

Sealed tenders are invited from original manufacturers/authorized dealers for the supply of *Universal Testing Machine(UTM)* for the **Dept. of Metallurgical & Materials Engineering**, VSSUT, Burla, Sambalpur, Odisha. The tenders shall reach the office of the undersigned through **Speed/Registered** post only **on or before 24.09.2016 12:00 noon**.

For more details, please visit our university website [www.vssut.ac.in](http://www.vssut.ac.in). The authority the reserve right to accept or reject all the tenders without assigning any reason thereof.



REGISTRAR

No. VSSUT/MME/7945(5)/2016

Date: 31/08/2016

### Copy to: -

1. M/s Display Lines, 219, Saheed Nagar, Bhubaneswar – 751007 with request to publish the above advertisement in one issue of the “all Odisha daily edition of The Samaja” and “all India edition of The Times of India” at the I & PR approved/lowest rate. The bill may be sent in triplicate along with a copy of the paper in which the publication is made.
2. University Notice Board of VSSUT, Burl a.
3. Dean F & P, with a request to upload the notice & documents in the university.
4. PA to Registrar for information & record. This is issued based on RUSA FUND, Letter No: VSSUT/F&P – 98/1347/ 2016 Dated: 30.04.2016 and subsequent approval of Hon’ble Vice-Chancellor in **Note Page No:1/ File No: VSSUT/MME/396/2016** of Dept. of MME.
5. PA to Vice – Chancellor for kind information to Hon’ble Vice – Chancellor.



REGISTRAR

**UNIVERSAL TESTING MACHINE**  
**Technical Specifications**

SI No.	Parameters	Specification
1.	Type of machine	<ul style="list-style-type: none"> <li>• The Universal Testing Machine (UTM) testing instrument shall be of Floor standing Dual Column system consists of a 100kN capacity Load frame, Load weighing system, and Software for machine control, data acquisition and data manipulation. All of these components must be fully integrated and supported by the vendor</li> </ul>
2.	Types of tests to be performed	<ul style="list-style-type: none"> <li>• Tension, Compression, Bending, Peel, Tear, Friction, Cyclic Tensile test</li> </ul>
3.	Materials to be tested	<ul style="list-style-type: none"> <li>• Metals, Ceramics, Composites in standard / sub size samples</li> </ul>
4.	Temperature of testing	<ul style="list-style-type: none"> <li>• Ambient atmosphere</li> </ul>
5.	Load capacity	<ul style="list-style-type: none"> <li>• <math>\pm 100</math> kN max</li> </ul>
6.	Type of control	<ul style="list-style-type: none"> <li>• Stress &amp; Strain (closed loop) control</li> </ul>
7.	Sample grip Assembly & fixtures	<ul style="list-style-type: none"> <li>• Sample grip assemblies required for testing following samples are to be provided</li> <li>• Testing of flat specimens (1 to 16 mm thickness and up to 25 mm width) and round specimens( upto 16 mm diameter) up to 100 kN</li> <li>• Maximum allowable load for room temperature compression samples of at least 25 mm diameter up to 100 kN load</li> <li>• The grip assemblies provided must be compliance with the appropriate ASTM and ISO standards and should preferably be of anti-slip and self-aligning type</li> </ul>
8.	Loading Frame	<ul style="list-style-type: none"> <li>• The vertical distance between the top surface of the base platen to the bottom surface of the moving crosshead shall be at least 1400mm or better for load cells, grips and fixtures</li> <li>• The horizontal space between two columns shall be at least 550mm or better</li> <li>• The total height of the load frame shall not be more than 2500mm</li> <li>• The speed range should be 0.00005 mm to 1,000 mm per minute or better and shall be settable continuously. The return speed shall be 1,000 mm/min or better</li> <li>• The crosshead speed accuracy shall be within <math>\pm 0.1\%</math>, of set speed at constant load</li> </ul>

		<ul style="list-style-type: none"> <li>• The frame shall include adjustable leveling feet and an integrated graduated measurement scale</li> <li>• The moving crosshead shall be driven by two fully enclosed precision screws each with dual preloaded nuts providing zero backlash during reverse stress loading</li> <li>• For lateral stiffness and robustness purposes the load frame should include at least two smooth ground guidance rods for the moving crosshead to ride on</li> <li>• Frame Stiffness shall be at 2.5 times (of the max load capacity of frame) per mm or better</li> <li>• The load frame shall include an ISO approved emergency stop switch. For safety purposes, the system shall not restart the crosshead moving when the emergency stop button is released</li> <li>• For safety purposes, the frame shall incorporate an auto-frame standby mode that automatically stops the frame when the transducer, interface, or computer is disconnected or shutdown</li> <li>• The frame shall include an operator panel which can be used to run and stop tests at the frame as opposed to through the PC and software. It shall have live display of data, functional keys &amp; a fine position wheel to move the frame crosshead in small increments to aid in the installation and removal of fixtures</li> <li>• Frame shall be operated on Single phase, 240V,50-60Hz</li> </ul>
9.	Load Weighing System	<ul style="list-style-type: none"> <li>• The system should be supplied with strain gauge based +/-100kN load cell mounted under its moving crosshead and +/-100N load cell mounted under higher capacity load cell without removing it</li> <li>• The load weighing system accuracy shall be within +/-0.5% of reading down to 100N for 100kN load cell &amp; down to 1N for 100N load cell</li> <li>• Load Resolution shall be at least 4N or better</li> <li>• Any load cell provided shall have 105% over range protection that will stop the frame automatically. For safety purposes, the maximum load for a test should be set by identification electronics located in the connector directly attached to the load cell.</li> </ul>
10.	Transducers & Electronics	<ul style="list-style-type: none"> <li>• Load cell and extensometer transducers available for the system shall include self-identification (recognition) electronics in the connector directly</li> </ul>

		<p>attached to these transducers which automates the calibration of these devices. For safety and data integrity issues, operators should not have to select the capacity of a load cell from a list or type in a value in order to calibrate different load cells (or extensometers). Manually calibrated load cells or extensometers requiring calibration weights or calibration micrometer fixture are not acceptable. In addition to the above, the system should allow for manual calibration of third party transducers</p> <ul style="list-style-type: none"> <li>• Position Measurement Accuracy of <math>\pm 0.01</math> mm or 0.05% of displacement (whichever is greater) with a Position Control Resolution of <math>0.01 \mu\text{m}</math></li> <li>• Data acquisition rate should be 2kHz or better and synchronous on all channel</li> <li>• AC excitation should be used for extensometers and LVDT's because it is less susceptible to noise and drift than DC excitation</li> <li>• The system should have a CE certification for susceptibility and emissions</li> <li>• The computer must communicate with the frame through an Ethernet</li> </ul>
<p><b>11.</b></p>	<p>Software User Interface &amp; Test Control</p>	<ul style="list-style-type: none"> <li>• The control software must have a true graphical user interface meeting all of the Microsoft Windows standards in English language</li> <li>• The software shall allow a user to configure a specific transducer (such as load cell or extensometer) and link it with a specific method such that the method will require that the specific transducer is used. If a different transducer is connected when a test is run with that method, the test will not run. The transducer can be identified by either R-code or Serial ID</li> <li>• The software should include these methods by default:- ASTM D 638, D 695, D 732, D 790, D 882, D 1004, D1612, D 1708, D 1894, D 3163</li> <li>• An unlimited number of test methods shall be available for storage and retrieval</li> <li>• Digital displays on the computer monitor should show live readings of all physical measurements, such as load, displacement, and optional strain and virtual measurement values in engineering units that can be selected to be Metric, S.I. etc.</li> <li>• An unlimited number of live display windows shall be available for display simultaneously</li> </ul>

		<ul style="list-style-type: none"> <li>• The software shall allow the user to define significant digits or decimal places for all live displays</li> <li>• The software shall have at least 2 user defined graphs</li> <li>• The software shall provide its own raw data viewer and not require the user to go to a different program to see a table of individual data points</li> <li>• The software shall have auto scaling plots</li> <li>• The software shall allow for a wide variety of tests to be performed, including tension, compression, flexure, peel, tear, friction, creep, stress relaxation, and cyclic/ block testing</li> <li>• The software shall allow for control on any physical transducer (load, strain, crosshead extension, etc.)</li> <li>• The software shall allow the user to create an unlimited number of measurements for use in live displays, graphing and results. The measurements are either derived from physically connected transducers (such as load, strain or crosshead extension) or from an expression</li> <li>• The software shall allow the user to end a test based on different criteria/conditions simultaneously</li> <li>• The software shall allow the user the option to store data in time based increments directly to the hard drive such that no data is lost from the specimen under test in the case of a power loss</li> <li>• The software shall allow for data collection on up to 3 different measurements, including, but not limited to load, time, and extension</li> <li>• The software shall allow the user to define a system bandwidth up to or 100Hz</li> <li>• The software shall allow the user to define a measurement even on which a digital output line or audio alert is triggered</li> </ul>
12.	software calculations, results & output:	<ul style="list-style-type: none"> <li>• Maximum Point (all available channels)</li> <li>• Minimum Point (all available channels)</li> <li>• Specimen Break Point (all available channels)</li> <li>• Yield (Zero slope, Offset and Energy at Yield)</li> <li>• Modulus (Secant, Tangent, Automatic Young's, User-defined Young's)</li> <li>• User Calculation : should have provision to build own formulas (in addition to the hundreds of</li> </ul>

		<p>standard calculations) using a list of available variables for defining test control ramp rate and events, virtual measurements, calculations, and calculation domains</p> <ul style="list-style-type: none"> <li>• The software shall allow for peak, modulus and yield calculations to be evaluated real-time during the test</li> <li>• The software shall allow the user to choose between MS Word, PDF or HTML report format types</li> <li>• The software shall allow the user to export raw data into a .CSV file per specimen</li> <li>• The software shall allow the user to export results into a .CSV file per sample</li> <li>• The software shall allow the user to create and save any number of report templates that include graphs, results tables, pictures, text, university logo, sample file name, test date and time, and sample author</li> <li>• The software must include the capability to define correction factors such as machine compliance, slack, pretension, load and gauge length</li> <li>• The ability to re-analyze past test data using different calculations must be provided</li> <li>• The software should have provision for an intuitive interface to search, filter, analyze results across multiple samples, and accelerate results analysis workflow from historical data either for single machine or from the multiple machine in the lab using Microsoft SQL server</li> </ul>
<p><b>13.</b></p>	<p>Serviceability And on-site Calibration, Training</p>	<ul style="list-style-type: none"> <li>• Supplier should give an undertaking for uninterrupted service support for a minimum period of 10 years with availability of spares and accessories</li> <li>• Supplier offering the product should have Single Source Local Service Support Facility from factory trained service engineers in Eastern Region and should submit address and contact details</li> <li>• On-site Calibration of the Load cell, Extensometer, Crosshead speed &amp; displacement with NABL/NVLAP traceability must be provided by factory trained engineer at the VSSUT-Burla site</li> <li>• The supplier shall install the system and provide basic on-site training for a minimum of one day.</li> <li>• Factory trained service engineer must perform the installation of the system and review all operating instructions and safety mechanisms with the primary users</li> </ul>

		<ul style="list-style-type: none"> <li>• Supplier should offer training after installation at our lab to at least 5 users for minimum 3 days</li> <li>• Factory trained engineer must provide software training to users of the system and help those users create sufficient test methods during that session.</li> <li>• Optional advanced on-site training classes shall be available at the customer's location</li> </ul>
<b>14.</b>	Power supply	<ul style="list-style-type: none"> <li>• Single phase, 240V,50-60Hz</li> </ul>
<b>15.</b>	Manuals	<ul style="list-style-type: none"> <li>• Soft copy in pdf format and 3 sets of hard copies also block diagram of machine and its parts</li> </ul>
<b>16.</b>	Tensile Grips/ Tensile test	<ul style="list-style-type: none"> <li>• Jaw Faces, Flat Serrated. For Flat specimen thickness range: 0 – 16 mm, width:25 mm</li> <li>• Jaw Faces, V Serrated. For Round Specimen diameter range: 7 – 16 mm</li> </ul>
<b>17.</b>	Strain gauge Extensometer	<ul style="list-style-type: none"> <li>• Strain gauge extensometer of 25mm gauge length with max 25mm travel for Axial Strain Measurement at Ambient Temperature as per ASTM E83, ISO 9513 std</li> </ul>
<b>18.</b>	Compression Platen/ Compression Test	<ul style="list-style-type: none"> <li>• One 50mm Upper Compression platens/anvils of 100kN</li> <li>• One 150mm Lower Compression platens/anvils of 100kN</li> </ul>
<b>19.</b>	Bending Jig/ Bending test	<ul style="list-style-type: none"> <li>• Three Point Bend, Capacity: 100 kN</li> <li>• Maximum Span: 250mm or better</li> <li>• Minimum Span: 10 mm</li> <li>• Upper &amp; Lower Anvil diameter : 10 mm</li> </ul>
<b>20.</b>	Additional Fixtures	<ul style="list-style-type: none"> <li>• Peel/ Tear as per ASTM B571, D2861, D6252, D429 Method B</li> <li>• Friction as per ASTM D 1894, ISO 8295:2004</li> </ul>
<b>21.</b>	Power backup	<ul style="list-style-type: none"> <li>• Power backup should provide to enable the running of the entire machine for at least 30 mins in the event of power failure</li> </ul>
<b>22.</b>	Inbuilt safety	<ul style="list-style-type: none"> <li>• The entire equipment must comply with latest CE machinery directive which must be certified by notified bodies</li> </ul>
<b>23.</b>	Computer and Printer	<ul style="list-style-type: none"> <li>• The equipment should come with a high performance computer with all the requisite software installed on it</li> <li>• Minimum Configuration: Intel dual core processor 3GHz, 4 GB RAM, 500GB Hard Disk, 20" LCD monitor with other essential peripherals &amp; software installed</li> <li>• Laser printer should be provided with the computer</li> </ul>

24.	Upgradation	<ul style="list-style-type: none"> <li>• The model Should include the features for further upgradation for testing in different environmental conditions (-150<sup>o</sup>C – 1200<sup>o</sup>C)</li> </ul>
25.	Warranty	<ul style="list-style-type: none"> <li>• Minimum three years</li> </ul>
26.	Qualification Criteria	<ul style="list-style-type: none"> <li>• Supplier offering the product should submit a list of government organizations &amp; institutes in India where similar systems of the same make were supplied in the last 3 years. If required, institute may ask Supplier to provide contact details of the end users such as phone number, fax number, e-mail ID etc.</li> <li>• Supplier offering the product might have been asked to visit our lab and make a technical presentation of the product offered</li> <li>• Compliance statement needs to be provided by vendors clearing specifying COMPLY/NON COMPLY with remarks of all of the points mentioned above</li> </ul>
<p>*Additional optional accessories should be indicated separately along with their price. The above specs are desirable and the actual numbers achievable for your system should be indicated.</p>		