

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA  
(Formerly University College of Engineering, Burla)

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**TENDER CALL NOTICE**

**No. VSSUT/CRF/1132/2018**

**Date: 22<sup>nd</sup> March 2018**

**Sub: Tender Call Notice for supply of a various machines with their technical specifications.**

The Registrar, "Veer Surendra Sai University of Technology (VSSUT), Burla" invites sealed tender from intending reputed and experienced firms for Supply, Installation and Maintenance of equipment for **Central Research Facility (CRF)** (the list of equipment are mentioned in the following table) at the University website. This tender documents must reach to "**The Registrar, Veer Surendra Sai University of Technology, Burla, Sambalpur-768018 (Odisha)**" by **17:00 Hours of 11<sup>th</sup> April 2018** under a sealed cover superscribed as Equipment for Central Research Facility by **registered/speed post only**. The tender received after the due date and time is liable to be rejected. Tender by hand/FAX/ e-mail will not be entertained.

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.2000.00 (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. The tender fee must be submitted along with the tender paper, otherwise the tender paper shall be rejected. 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: Rupees 2000.00 (Non-refundable)
- Date of commencement of downloading bidding document **17:00 Hours of 22<sup>nd</sup> March 2018.**
- Last date and time for Receipt of bids **17:00 Hours of 11<sup>th</sup> April 2018.**
- Time and date of opening of Tender and technical bid **17:00 Hours of 12<sup>th</sup> April 2018.**
- 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  
REGISTRAR  
V.S.S. University of Technology  
Burla, Sambalpur, Odisha-768018

ITEM 1

Technical Specifications for FULL AUTOMATIC X-RAY DIFFRACTION (XRD)

Sl. No.	Parameters	Specification
1.	<b>X-Ray Generator</b>	
	Power	3 KW or higher
	Input voltage range	208 – 240 V
	Frequency	50 Hz $\pm$ 1%
	Maximum high voltage	50 KV or better
	Maximum current	60 mA or better
	Voltage increment	1KV
	Current increment	1mA
	Stability for 10% input voltage variation	$\pm$ 0.01%
2.	<b>Goniometer</b>	
	Geometry	Vertical
	Scan Speed	Between 0.001 to 1.0 deg/sec or better
	Slew speed	10 deg / sec or higher
	Min step size	0.0001 <sup>o</sup> or better
	Diameter	High Precision Goniometer with theta-theta configurations with a minimum diameter of 480 mm. Variable goniometer radius without major alignment procedure will be preferred for better resolution.
	2 theta measurement range	-40 to 165 deg
	Operation mode	Theta( $\theta$ ) – Theta( $\theta$ )
	Data quality guarantee	Manufacturer must submit data quality guarantee certificate from the factory on the angular position ( $\leq$ 0.01 deg $2\theta$ over the entire angular range) to be carried out on NIST sample. The same NIST sample should be in the scope of supply for evaluation. The supplier must provide an instrument alignment guarantee for selected configurations.
3.	<b>X-Ray Tube</b>	
	Insulation	Cu anode Metal Ceramic X-ray tube with Ni K $\beta$ filter
	Anode material	Copper
	Power	1.8 KW or higher
	No. of windows	Minimum 2 ( Line focus & point focus )

	Maximum high voltage	50 KV or better
	Maximum current	60 mA or better
	Voltage increment	1KV
	Current increment	1mA
	Focus	Long Fine focus
	Cooling	Water cooled
4.	<b>Detector (1-dimensional fast detector)</b>	
	Operation mode	0D and 1D mode should be possible.
	Efficiency	>94% for Cu radiation
	Spatial resolution (pitch):	75 $\mu\text{m}$ or better
	Goniometer radius	200 mm and more
	Capture angle	2.5 deg or better
	Maximum counts	Minimum $1 \times 10^8$ counts or better. No. of channels / Pixels : 190 or more
	Fluorescence suppression	Suitable hardware/software for suppressing secondary fluorescence to be offered
5.	<b>Optics</b>	
	Primary	Motorized slit and a Parabolic multilayer mirror
	Secondary	Motorized slit and Soller collimator
	Fluorescence suppression	Suitable hardware/software for suppressing secondary fluorescence to be offered
	Facility to Automatic changeover for Bragg-Brentano SLIT geometry to parallel beam multilayer mirror geometry in both primary and secondary side without the need to touch the instrument should be available.	
6.	<b>Sample Stage</b>	
	Sample stage	Rotational sample stage to be offered with minimum three numbers of sample holders.
	Thin Film	Motorized XYZ sample stage (X- 50 mm, Y-50 mm and Z-25 mm) with Vacuum chuck / magnetic sample holders to be offered as optional items for Thin Film application.
	NON-Ambient	High temperature attachment for powder sample from Room temperature to 1600 $^{\circ}\text{C}$ or higher to be offered in option with all necessary accessories like High vacuum pump to maintain vacuum range from $2 \times 10^{-4}$ mbar to 0.5 bar to maintain higher temperature at least for 30 minutes with 1 mm wide Platinum strip. Scan range should be 4 deg to 164 deg two theta.
	SAXS	Spinner Capillary sample stage with alignment microscope may be offered as optional items for SAXS application.
7.	<b>Computer systems</b>	
8.	Latest Windows operating Desktop computer and all essential hardware and software for system control.	
9.	<b>Software and Database</b>	
	PC based software packages to control all instrument parameters and should provide best algorithms for Solving analytical tasks. Should enable both Qualitative and Semi quantitative analysis. Easy simulation and automatic refinement / smoothening of measured data. Peak search, integrated intensity, $K_{\alpha 1}$ and $k_{\alpha 2}$ separation.	
10.	<b>Water Chiller</b>	

11.	Suitable water chiller for the system should be offered with ambient temperature of 25°C degree Centigrade or more.	
12.	<b>UPS</b>	
13.	Suitable Capacity UPS with 30min backup should be offered	
14.	<b>Safety Features</b>	
	The system should confirm to Indian and International safety standards and regulations pertaining to X-Ray Radiation, Electrical and Mechanical safety hazards. This should be below 1 micro sievette / hour at a distance of 10 cms from the instrument at full load of harder radiation like Ag and Mo. X-ray to be ON during the actual experiment only.	
15.	<b>Installation and commissioning</b>	
16.	The instrument to be installed, tested and commissioned by representative of supplier at our premises free of cost.	
17.	<b>Training</b>	
18.	The supplier should provide the training for software as well as handling and hardware of XRD machine on the site free of cost.	
19.	<b>Spares and Consumables</b>	
20.	The spares and support should be available for 10 years after the warrantee period of the quoted model, and manufacturer should give in writing along with offer.	
21.	<b>Standard sample for calibration</b>	
22.	The vendor must provide data quality guarantee on the angular position and intensity ratio which is to be carried out on NIST sample. The same NIST standard sample should be in the scope of supply for evaluation. SRM – Silicon Standard. The NIST standard sample for periodic checking of system alignment and intensity to be included.	
23.	<b>Optional Items</b>	
	Database	ICDD database PDF2 & ICSD database to be offered
	Rietveld	Rietveld based standard less quantification, refinement package with ab initio structure analysis, profile fitting, lattice parameter refinement, indexing, crystallite size determination, structure viewer software package should be offered in option. Facility to determine accurate quantitative analysis of phase with no known crystal structure as well as amorphous material should be available.
	Thin-Film	Proper software for Thin Film reflectometry studies
	SAXS	Software for SAXS analysis to be offered. The software should be interactive graphics-based, non-linear least-squares data analysis program for one-dimensional small angle X-ray scattering data. The software should have the following facility: <ul style="list-style-type: none"> <li>• Basic geometrical models (spherical, spherical shell, ellipsoidal, cylindrical).</li> <li>• Selected polymer models (flexible and semi-flexible chains, Gaussian star, spherical block copolymer micelle)</li> <li>• Display and comparison of measured and simulated data.</li> <li>• Simple, interactive evaluation of SAXS measurements:</li> <li>• Easy interactive adjustment of all available model parameters.</li> <li>• Wide selection of commonly used axis scaling.</li> <li>• Different refinement methods for automatic evaluation like Levenberg-Marquardt, Simplex</li> </ul>
24.	Warranty	Three years comprehensive warranty (after installation). During warranty period all parts must be supplied on DDP basis.

\*Additional optional accessories should be indicated separately along with their price. The above specifications are desirable and the actual numbers achievable for your system should be indicated.

**ITEM 2**  
**Technical Specifications for ION SPUTTERING UNIT**

Sl. No.	Parameters	Specification
1.	Discharge Type	Diode discharge magnetron type (electric field perpendicular to magnetic field)
2.	Electrode form	Opposed parallel disk (magnet embedded)
3.	Voltage	0.4 kV DC max. (variable through phase control)
4.	Current	40 mA DC max.
5.	Coating rate (max.) Pressure : 7 Pa Discharge current : 40 mA Distance between target and specimen surface : 30 mm	Gold (Au) and Platinum (Pt) targets with deposition rate 30 nm/min or better
6.	Pressure regulation range	7 to 20 Pa
7.	Rotary pump	135/162 lpm (50/60 Hz)
8.	Target	Gold (Au) and Platinum (Pt)
9.	Power supply requirements	Single phase, AC 100 V ( $\pm 10\%$ ) 15 A, (50-60 Hz, 3P outlet (with class D grounding))
10.	Specimen	Max. diameter $\Phi 60$ mm Max. height 20 mm
11.	Dimension (WxDxH)	450 mm x 391 mm x 390 mm
12.	Warranty	Minimum 1 year
13.	Spare Parts	One Gold (Au), One Platinum (Pt), One Au-Pd targets should be quoted extra

\*Additional optional accessories should be indicated separately along with their price. The above specifications are desirable and the actual numbers achievable for your system should be indicated.

**General Terms and Conditions**

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

**1. Document Establishing Bidder's Eligibility and 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 If the Bidder whether manufacturer/distributor/dealer, have experience of supply and installation of the quoted items in reputed Government Institutions/Public Undertakings/reputed Private Institutions within India during last preceding 5 (Five) 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 **Machineries** 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 shall 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 and Machineries should be in accordance with the stipulated specifications and of one reputed brand/model (**NB: Variation in specification is allowed upto  $\pm 5\%$  in case of Machineries/Equipments**)

- 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.

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

The following document should be submitted in cover-A.

- 3.1 Earnest Money Deposit (EMD)

- 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/GST clearance certificate up to **date** which is/are 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 recognition 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 Bidders are required to submit Para-wise compliance to each parameter of specification.
- 3.15 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. (NB: Variation in specification is allowed upto ±5% in case of Machineries/Equipments)**
- 3.16 Details of foundation drawing for instruments and equipment, if any, should be provided.

3.17 The details of the service station / service associates nearest to Bhubaneswar/Sambalpur shall be submitted.

3.18 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 the each item shall be quoted as per the prescribed Price Schedule Format at **Annexure-I** along with price break up of custom duty, GST, Packing, Forwarding and Handling charges, Insurance charges, ET, Freight up to destination including unloading, 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 minimum **1 (one)** year from the date of commissioning (**Annexure-II**).

4.4 The **Cover B** of the technically qualifying bidders will be 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 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.



5.2 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.

### 5.3 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.

### 5.4 Bid Price

- The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, 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.
- GST/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 Indian items shall be quoted in Indian Rupees only.**
- **The foreign item price shall be quoted in their currency only.**

### 5.5 GST clearance

Copies of valid GST 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.

### 5.6 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.

## 5.7 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 and 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) Reference No of Bid \_\_\_\_\_
- ii) Bid regarding \_\_\_\_\_
- iii) Due date & time for submission of the Bid \_\_\_\_\_
- iv) Due date & time for opening of the Bid \_\_\_\_\_
- v) 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.

## 5.8 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.

### 5.9 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.

### 5.10 BID OPENING

5.11 The **Purchaser** will open all bids, in the presence of bidder's representatives who choose to attend at **17:00 Hours of 12<sup>th</sup> April 2018** at the Office of the "**The Registrar, Veer Surendra Sai University of Technology, Burla**".

5.12 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.

5.13 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, on demand.

### 5.14 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.**

### 5.15 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** or EMD exemption certificate from competent authority.
- 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 **(In case of major machinery only).**
- 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 equipments and machinery with **one make and 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.**
- If Bidder is not willing to provide operational Training for Machineries to one Official of each consignee at Suppliers Plant or Consignee site **at least for 7 days in case of major machineries whichever is suitable to Purchaser.**

#### **5.16 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.

#### **5.17 Evaluation and Comparison of Bids**

The comparison shall be of FOR destination price basis including the price of all costs **(excluding GST)** paid or payable on Machineries, instruments and equipment incorporated

or to be incorporated in the items including the warranty/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
- Negotiation may 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 and Machineries 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 & Un used) 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 **1 (One) year** 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 Up time Warrantee**

The Bidders should provide uptime guarantee of 95%.

### **6.6 Downtime Penalty Clause**

During the warranty period, desired uptime of 95% of 365 days (24 hours) if downtime exceeds 5%, penalty in the form of extended warranty, double the number of days or more will be applied for which the equipment goes out of service.

In no case the machineries should remain in non-working condition for more than 30 days beyond which a penalty of 0.2% of machine cost will be charged per day.

The principals or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

#### **6.7 Payment Terms**

No advance payment will be made by the Purchaser to the supplier for performance of the contract. 100% of the contract price shall be paid within **30 (thirty) days** after satisfactory supply, installation, demonstration, Commissioning & training and stock entry of bills of the goods within due date of delivery.

#### **6.8 Transportation**

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

#### **6.9 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.

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

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

#### **6.10 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.

#### 6.11 Period of Validity of Bids

- The bid rates should be kept open/ valid for a period of **365** days from the date the Bids are opened.
- A bid valid for a shorter period i.e less than **365** 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. **365** 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.

#### 6.12 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.

#### 6.13 Penalty against Non Supply

In case of non supply of Stores within the due date i.e. within the date of delivery “**The Registrar, Veer Surendra Sai University of Technology, Burla**” will have the right to impose penalty, as deemed fit, to resort to risk purchase in full or part thereof at his/her discretion, his/her decision shall be final and binding for the defaulted party.

#### 6.14 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.

#### 6.15 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.



### 6.16 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**  
**REGISTRAR**  
 V.S.S. University of Technology  
 Burla, Sambalpur, Odisha-768018

### 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)	GST (b)	Packing & Forwarding (c)	Inland transportation, insurance and other local costs incidental to delivery (d)	Any other cost (e)	Unit price (a+b+c+d+e)

### 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.	1 <sup>st</sup> yr.	2 <sup>nd</sup> yr.	3 <sup>rd</sup> yr.	Annual Maintenance Contract cost 3 years i.e. 3x (a+b+c)	Remarks
			(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 and 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:
  - Check-up to ensure that device connection is proper, cabling is at proper condition etc.

- 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

Signature

For the Purchaser

For the Supplier

Name:

Name:

Designation:

Designation:

Address:

Address:

Telephone No:

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:

1. 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
2. Total annual turn-over (value in Rupees)
3. Quality control arrangement details
4. Test certificate held
  - a) Type test
  - b) BIS/ISO certification
  - c) Any other
5. Details of staff

- a) Technical
  - b) Skilled
  - c) Unskilled
6. 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 Machineries & Equipments to be supplied by the bidder**

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

Signature and seal of the Bidder

**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA-768018**

No. VSSUT/CRF/1132/2018

Dated: 22<sup>nd</sup> March 2018

**TENDER CALL NOTICE**

Sealed tenders are hereby invited from reputed and experience firms for supply, installation and maintenance of the various equipment of **Central Research Facility (CRF)**, VSSUT Burla, in the District of Sambalpur, Odisha. The interested firms/agencies/suppliers/dealers/SSI Units can log on to the University Website [www.vssut.ac.in](http://www.vssut.ac.in) for verification of the other terms and conditions in details.

  
**REGISTRAR**  
**REGISTRAR**  
V.S.S. University of Technology  
Burla, Sambalpur, Odisha-768018

**No. VSSUT/CRF/1133(4)/2018**

**Date: 22<sup>nd</sup> March 2018**

**Copy to:**

1. M/s Display Lines, 219, Saheed Nagar, Bhubaneswar-751007 with request to publish the above advertisement in one issue of All India Edition of "Indian Express" 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 Burla.
3. Dean F & P, with a request to upload the notice and documents in the University website ([www.vssut.ac.in](http://www.vssut.ac.in)).
4. SO Accounts for information and necessary action.

  
**REGISTRAR**  
**VSSUT Burla**  
**REGISTRAR**  
V.S.S. University of Technology  
Burla, Sambalpur, Odisha-768018