

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA



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

Ref: VSSUT/ChE-tend/ 3127 /2017

Date: 16 / 09 /2017

TENDER CALL NOTICE

Sealed tenders are invited from original manufacturers/authorized dealers for the supply of instruments/equipments for the **Dept. of Chemical Engineering**, VSSUT, Burla, Sambalpur, Odisha. The tenders shall reach the office of the undersigned through **Speed/Registered** post only **on or before 23 / 10 / 2017 up to 5.00 PM.**

For more details, please visit our university website www.vssut.ac.in. The authority has reserves the right to accept or reject tender or all the tenders without assigning any reason thereof.

Sd/-
REGISTRAR

No. VSSUT/ChE-tend/ 3128 (4) / 2017

Date: 16 / 09 / 2017

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, Burla.
3. Dean F & P, with a request to upload the notice & documents in the university.
4. PA to Vice – Chancellor for kind information to Hon’ble Vice – Chancellor.

Sd/-
REGISTRAR

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA



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

Website : www.vssut.ac.in, E-mail: registrar@vssut.ac.in, Ph:(0663)2430573,Fax-2430592

TENDER CALL NOTICE

Ref: No: VSSUT/ChE-tend/ 3127 /2017

Date: 16 / 09 /2017

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(s) and equipment(s) of reputed make (National/ International) for the Department of Chemical Engineering, VSSUT Burla, Odisha. The list of equipments and their technical specifications are mentioned below.

LIST OF EQUIPMENTS

- | | |
|--|----------|
| 1. FTIR SPECTROPHOTOMETER | - 01 no. |
| 2. HIGH TEMPERATURE REACTOR | - 01 no. |
| 3. INTERACTING AND NON INTERACTING SYSTEM | - 01 no. |
| 4. LEVEL CONTROL TRAINER | - 01 no. |
| 5. MATLAB & SIMULINK SOFTWARE | - 01 no. |
| 6. PRESSURE CONTROL TRAINER | - 01 no. |
| 7. TEMPERATURE CONTROL TRAINER | - 01 no. |
| 8. TGA/DTA ANALYZER | - 01 no. |
| 9. DOUBLE BEAM UV VIS SPECTROPHOTOMETER | - 01 no. |
| 10. UV- VISIBLE PHOTO REACTOR | - 01 no. |
| 11. ZETA POTENTIAL ANALYZER | - 01 no. |
| 12. SEPARATING AND THROTTLING CALORIMETER | - 01 no. |
| 13. REID VAPOUR PRESSURE BATH | - 01 no. |
| 14. DIGITAL VISCOMETER | - 01 no. |
| 15. JUNKERS CALORIE METER APPARATUS | - 01 no. |
| 16. CONDUCTIVITY METER | - 01 no. |
| 17. COMPUTER CONTROLLED BATCH
DISTILLATION SET-UP | - 01 no. |

SPECIFICATIONS

1. FTIR SPECTROPHOTOMETER :

It is required to measure the solid, liquid and gas samples. So it is required to supply all the necessary arrangements for the smooth running of the instrument.

- Both Acidic and Base samples should be analysed of pH range in between 1- 14.
- Highest Signal to noise ratio, peak to peak or better in its class of general use instrument
- The FTIR should have a measuring wave number range of 7000 cm^{-1} to 500 cm^{-1} or better with a best spectral resolution of 0.5 cm^{-1} or better selectable in steps of 0.5, 1, 2, 4, 8 and 16 cm^{-1} .
- Automatic Protection for the beam splitter
- Sample compartment should have non Hygroscopic window material
- Interferometer with Gold-coated mirrors is preferred
- The beam splitter should be Germanium coated KBr with anti-humidity coating.
- Highly stable interferometer with Dynamic Alignment Mechanism so as to get the spectrum under stabilized and optimum conditions. Also ensures short warming up time
- Sequential display of diagnostic results are monitored continuously by status monitor function so as to ensure and optimized measuring conditions
- Small installation space without compromising the sensitivity
- It should analyze both solid, liquid and gas samples and provision for with and without KBr
- The instrument should analyze most of the organic and inorganic solid and liquid samples
- Silica gel should be provided to maintain the dry condition in the sample compartment
- Instrument should be provided with five years of Annual Maintenance charges
- Demonstration should be given after installation of the instrument
- Instrument received any damaged condition will be replaced
- Provision to collect the result in excel file, ASCII file, PDF file and Image file
- The result should be obtained in CD and Pen-drive
- A CD of FTIR software should be provided after installation
- Operation manual should be provided with the instrument at the time of installation
- The offer should include more than 10 years warranty on each Laser & amp; Interferometer and minimum 5 years warranty on source.
- Instrument should be warranted for 3 year.
- Powerful 32/64 bit software, completely compliant to GLP with following features
 - Real time Display of spectra
 - Compact measurement menus
 - Simple measurement mode
 - Atmospheric correction mode
 - Continuous measurement mode
 - Functional group determination mode
 - Peak area determination mode
 - It will be better if the library is provided
 - Spectra should be collected in both Absorbance and Transmittance mode

Sampling Accessories to be supplied with instrument:

1. Diamond ATR (preferably pure diamond), for solid, liquid, paste, powder and gel samples (without sample preparation)
2. Sample holder minimum 10 pic if required for the equipment
3. Should be supplied with i7 processor PC, Printer and 1KVA online UPS.
4. All necessary attachments should be provided for the smooth running of the instrument.
5. Hydraulic Press of 20 ton or better
6. KBr die about 13mm or as per the instrument requirement
7. Pellet Holder >13mm
8. Agate mortar and pestle(>4" Dia)
9. Liquid demountable cell with KBr windows
10. IR grade KBR powder
11. Special arrangements are required for measuring gas samples
12. Gas collection bags/ the required sampler at least 12 pieces

2. HIGH TEMPERATURE REACTOR :

The Solid and liquid sample will be heated in a reactor which will be maintained inert using nitrogen gas and the generated vapours from the samples will be condensed in a condenser and collected in sample collector.

Furnace Specification:

Working Temperature: up to 900 °C

Heating rate: 10 to 100 °C / min

Temperature controller: PID, with ± 1 °C accuracy

Furnace/Heating media: wall heating using coil

The furnace should be opened like a window

The reactor will be hanged within the furnace

The diameter of the furnace should be decided as per the reactor OD

Reactor Specification:

Type: Cylindrical type

No of reactor: 02

Material of construction: SS

Height: 30 cm

Diameter: 05 cm

Thickness of the reactor: 03 mm / should be operated at a pressure of 5bar.

The reactor has an opening on the top of same ID as bottom.

The top of the reactor should have an arrangement of Flange coupling to close the reactor.

The reactor should be air tight so that no gas will leak when operated at high temperature and 5 bar pressure.

Provide a removable high temperature resistant gasket in between Flange coupling to keep the reactor air tight.

Provide 50 nos. high temperature resistant gasket.

Reactor Type 1: On the top of the flange there should be an opening of 01 cm. diameter connected with 40 cm. long tube. The long tube should be inclined of about 340 degree. There should be an arrangement of Nitrogen gas inlet from the top of the reactor (on the flange). The bottom of the reactor is closed.

Reactor Type 2: There should be an arrangement of Nitrogen gas inlet from the top of the reactor (on the flange). Top of the reactor should be flange arrangement. At the bottom, reactor opening of 01 cm should be connected with 20 cm tube to release the gas. The gas is to be condensed using the provided condenser.

There should be a temperature indicator at the out let of the reactor to measure the temperature of the outlet gas (on the flange, at the 01 cm. opening)

Condenser Specification:

The 01 cm. diameter and 40 cm. long tube will be connected with water cooled Condenser of length 50 cm. Condenser should be a glass condenser. The temperature at the inlet and outlet of the condenser should be indicated.

Sample collector Specification:

At the condenser outlet, a glass sample collector of capacity 100ml will be connected and the non condensable gas should be collected using bag

Nitrogen Cylinder Specification:

Provide N₂ gas filled cylinder of capacity 10L.

Provide all the necessary requirements for smooth running of the set up.

3. INTERACTING AND NON INTERACTING SYSTEM :

Process tank: Material Stainless Steel, Circular, with level scale (3 nos.)

Supply tank: Material stainless steel, capacity 10-20 L

Overhead tank: Material stainless steel, capacity 4- 5 L

Water circulation: FHP pump.

Piping: SS/PVC, size 1/4"

Flow measurement:

Rota meter (10 -200 LPH)

- The whole unit should be assembled rigidly on a base plate.
- Most of the parts should be powder coated and rest painted with auto paints.

4. LEVEL CONTROL TRAINER :

Type of control – SCADA

Control unit – digital indicating controller with Ethernet communication

Level transmitter – type: electronic, two wire, range: 0 – 250 mm, output : 4 – 20 mA

Input converter – Input: 4 – 20 mA, output: 3 – 15 psig, make control air

Control valve – type: pneumatic, size – ¼ in, input: 3 – 15 psig, air to close, char. Linear

Rotameter: 10 – 100 LPH

Pump: FPH, type: submersible

Process tank – transparent, acrylic, with 0 – 100 % graduated scale

Supply tank – SS304

Air filter regulator – range: 0 – 2.5 kg/cm²

Pressure gauge – range: 0 – 2.5 kg/cm² (1 no.), range: 0 – 7 kg/cm² (1 no.)

Overall dimension – 550 W x 475 D x 520 H

5. MATLAB & SIMULINK :

Version	R2017a
Access	Academic/Student edition
License	Key including all toolboxes
No of users	40
License Renewal period	5 years

6. PRESSURE CONTROL TRAINER :

Control unit – digital indicating controller with Ethernet communication

Pressure transmitter – type; two wire, range: 0 – 5 bar, output: 4- 20 mA

Input converter – Input: 4 – 20 mA, output: 3 - 15 psig

Control volume – type: pneumatic, size – ¼ in, input: 3 – 15 psig, air to close, char. Linear

Process tank – pressure vessel, ms

Air filter regulator – range: 0 – 2.5 kg/cm²

Pressure gauge – range: 0 – 2.5 kg/cm² (1 no.), range: 0 – 7 kg/cm² (1 no.)

Overall dimension – 550 W x 475 D x 520 H mm

7. TEMPERATURE CONTROL TRAINER :

Type of control – SCADA

Heating control – proportional power controller, Input: 4 – 20 mA, Capacity – 20 mA

Heater – Type electrical 2 coils, capacity – 3 kW

Rotameter – 6 – 60 LPH

Process tank – SS, capacity – 0.5 lit , insulated

Overall dimension – 550 W x 475 D x 520 H mm

Control unit – Digital indicating controller with Ethernet communication

8. TGA / DTA ANALYZER :

- Temperature Range: 15 °C to 1500 °C
- TGA should have ultra-microbalance with minimum 0.1 g sensitivity with top load design.
- Balance Design: Single Beam vertical design with exchangeable sensor.
- Furnace cooling down: 1500 °C to 30 °C within 20 minutes with built-in forced air cooling.
- Forced air cooling system should be provided
- Built-in Mass Flow controller for two difference gases
- Heating rate ambient to 700 °C: 0.1 to 200 °C/min or better
- TGA and DTA should operate up to 1500 ° C.
- The gas flows to be controlled through built-in Mass Flow Controller and Software.
- The flows to be set through software as well as gas switching at the desired temperature.
- Sample capacity 2000 mg or higher
- The system should have built-in DTA mode with simultaneous scanning facility in single run.
- DTA signal should have provision to convert into DSC mode/signal for quantitative studies.
- Calorimetric precision should be $\pm 2\%$ or better
- All the three curves/parameters like TGA/DTA/DTG or DSC to be displayed on single screen.
- Software should be provided to determine the kinetic analysis of the thermal degradation
- Software should have the facility for real time update of spectral information.
- Software should be provided to determine the area under the peak
- About 10 numbers of crucibles (sample holders) should be provided which will be operated at 1500 °C temperature.
- Filled Nitrogen gas cylinder of capacity 10 litres and air cylinder of capacity 10 litres along with all the necessary attachments such as regulators, SS/ Copper pipe should be provided as per the requirements
- Flow controller such as rota meters for air and nitrogen flow should be provided
- Required connection pipes and fittings should be provided
- Instrument should be provided with three years of Annual Maintenance charges
- Demonstration should be given after installation of the instrument

- Instrument received any damaged condition will be replaced
- Provision to collect the result in excel file, ASCII file, PDF file and Image file
- The result should be obtained in CD and Pen-drive
- A CD of TGA software should be provided after installation
- Operation manual should be provided with the instrument at the time of installation
- Should be supplied with i7 processor PC, Printer and 1KVA online UPS.
- All necessary attachments should be provided for the smooth running of the instrument

9. DOUBLE BEAM UV VIS SPECTROPHOTOMETER :

Microprocessor based UV-VIS Spectrophotometer with high resolution LCD display and dedicated soft keypad, for operation on 220V / 50Hz.

- Stand-alone operation or complete control through PC with PC software should be provided.
- True double beam optics with aberration corrected concave blazed holographic grating in Czerny – Turner mounting for high energy throughput and high quality monochromatic light
- Wide wavelength range of 1,100 nm to 190 nm or better.
- High resolution 1 nm spectral bandwidth over entire wavelength range
- Wavelength setting and display in steps of 0.1 nm
- Wavelength accuracy of ± 0.1 nm for D₂ spectral line
- Wavelength reproducibility of ± 0.1 nm
- Variable wavelength scanning speed of 3,000 nm/min to 2 nm/min
- Ultra low stray light of <0.02% T at 220 nm with NaI filter
- Wide Photometric range of -4 to +4 Abs and 0 to 400 % T
- High Photometric Accuracy of ± 0.002 Abs at 0.5 Abs
- High Photometric Repeatability of $<\pm 0.001$ Abs at 0.5 Abs
- Very low baseline drift of 0.0003 Abs/hour
High baseline flatness of ± 0.0006 Abs over entire wavelength
- Ultra low Photometric noise of <0.00005 Abs or better
- Dual source – high intensity Tungsten-Halogen and Deuterium lamp with automatic changeover
- Two sets of sample holders should be provided
- High sensitivity matched pair Silicon Photodiode detector
- 5 USB ports for PC with i7 processor and data storage and transfer through USB pen drive with 1KVA online UPS.
- Guaranteed compliance with all Pharmacopoeial requirements
- Built in validation program, diagnostic and security functions

- All operational modes as standard – Photometric; Spectrum; Quantitation; Kinetics, Time Scan, DNA and Protein Quantitation in stand alone and PC mode. Additionally Multi-Component measurement available in stand-alone mode.
- Instrument should be provided with three years of Annual Maintenance charges
- Demonstration should be given after installation of the instrument
 - Instrument received any damaged condition will be replaced
 - Provision to collect the result in excel file, ASCII file, PDF file and Image file
 - The result should be obtained in CD and Pen-drive
 - A CD of UV-Visible software should be provided after installation
 - Operation manual should be provided with the instrument at the time of installation
 - All necessary attachments should be provided for the smooth running of the instrument

10. UV- VISIBLE PHOTO REACTOR :

Description

The set-up is used to study a photo catalytic reaction using a visible source. This setup can be used to carry out a parameter under study/batch continuous flow condition. The setup consists of reactor with inside reflecting surface. A Visible source surrounding glass/quartz cylinder is placed centrally in the reactor.

Technical Details

Visible source: 180-320 Watt Xenon lamp

Reactor: consists of inside reflective surface, stirrer with variable rpm, Effective capacity of 300 mL.

Operating condition: The reactor should be operated in batch and continuous mode.

There should be an arrangement of on/off valve at the inlet and outlet of the reactor

Glass stirrer should be mounted centrally in the reactor and the speed should be controlled with the help of controller.

There should be an arrangement for heating the sample inside the reactor up to 200°C

Working temperature: Within the range of 25-200°C.

Feed tank: Material SS, Capacity-1 L.

Feed circulation: using pump

Flow rate should be variable from the feed tank to the reactor

Flow measurement- By rotameter

- Control panel comprising of Standard make on off switch, Mains Indicator, fuse, power supply to UV/Visible source with digital display of temperature and stirrer rpm etc. should be provided.
- Sampling points should be provided at inlet and outlet of reactant line.
- An English instruction manual should be provided.
- The whole setup should be well designed and arranged on a rigid structure.
- Warranty should be given for 3 years.

11. ZETA POTENTIAL ANALYZER :

Zeta potential measurement range	-600 to 500 mV
Mobility	10^{-11} to 10^{-7} m ² /sec V
Particle size range for zeta potential measurement	0.01 – 100 μm or better
Particle size range for particle size distribution measurement	1-100 μm
Supply Voltage	0 – 350 V DC (Applicable voltage to electrodes)
Weight	25 kg
Power supply	AC 100V 1A 50/60 Hz.
Sample type	Most proteins, nano particles and colloidal size materials, suspended in any non absorbing liquid , with relative permittivity
Sample concentration	>10% v/v ,sample dependent
Sample conductivity	10- 200 mS/cm, covering saline and PBS solutions for proteins, sample dependent
Signal Processing	Electrophoretic & true phase analysis light scattering, ELS & PALS
Temperature Control Range	-25°C to 200°C
Data Presentation	Doppler frequency Shift, electrophoretic mobility
Environmental Characteristic	Temperature 10°C to 75°C , Humidity 0% -95%, non-condensing
UPS Specification	1 K.V. A online UPS
Computer Specification	i7 processer

12. SEPARATING AND THROTTLING CALORIMETER :

Electric Supply	Single Phase, 220 V, 10 Amp
Continuous Water Supply	10 LPM Approx. At 1 kg/cm ² pressure
Computer System	i7 processor with DVD Drive, Windows 7 and MS Office pre-loaded. One USB slot required in PC for Data Acquisition CARD
Separating Chamber	Compatible capacity made of Stainless Steel insulated with Ceramic Wool with water level indicator.
Heat Exchanger	For condensing steam
Steam Generator	Compatible capacity with digital temperature controller
Differential Pressure	By Differential Pressure Transmitter
Steam Pressure measurement	Pressure Transmitter
Temperature measurement	Temperature Sensor with Transmitter
Boiler Capacity	>20 kg/hr
Heater Capacity	>18 kW
Thermocouple	K- type thermocouple

- An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. should be provided along with the Apparatus.

13. REID VAPOUR PRESSURE BATH :

Electric supply	115 V, 50/60Hz, Single phase, 18.8 A
Weight	70kg
Temperature Range	5°C -150°C
Bath Volume	>80 L
power	2.2 KW
Bath liquid	water
Temperature uniformity	±0.1°C @ 37.8°C
voltage	220/240 V
Cylinder capacity	Upto 6 cylinder assemblies

- An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. should be provided along with the Apparatus.

14. DIGITAL VISCOMETER

It will be used to determine the viscosity of low and high viscous liquids such as biodiesel, petrol, diesel, motor oil, toothpaste, paint etc. It should provide the viscosity with respect to temperature up to 90 °C.

Operating parameters:

- Types of fluid: Newtonian and non-Newtonian liquids
- Sample requirement for measurement: Minimum 20 mL to 100 mL maximum
- Measurement Range: 0.1 — 2 x 10⁶ mPas
- Rotor Types: 1#, 2#, 3#, 4#
- Rotor Velocity (rpm): 0.3 - 60 or better (automatic)
- Measurement Accuracy: ±2 %
- Power Supply: 110 V - 240 V
- Temperature range: 5 °C- 90 °C
- Electronic temperature controller
- Magnetic stirrer bar, l = 30 mm
- Should be connected to the computer
- LCD display
- Provide i7 computer
- High measuring accuracy
- Stable in measured display
- Easy operation and read-out
- Excellent in Anti- interference
- Provide all the necessary arrangements required to run smoothly
- Warranty period minimum 3 year
- The required software and installation procedure along with the user manual should be provided at the time of installation.

15. JUNKER'S CALORIE METER APPARATUS :

Measuring range: 100Kcal/m³-30000 Kcal/m³ of fuel, Gases at low pressure: 1-15w.g.

- Equipment consists of powder coated SS exterior with burner (with choice of 2 nozzles) on a tripod stand, a gas flow meter and pressure governor.
- Used to determine the calorific value of gas.

- The Calorimeter mainly consists of a gas combustion chamber, heat exchanger and water flow system.
- Heat exchanger is fabricated out of heavily tinned copper sheet. A constant water head maintenance device provided in the feed water pipe along with the inlet water flow regulator is fixed to the outer housing of the Calorimeter. The outer housing is of powder coated SS.
- Gas Samplers
- User manual
- Provide all the required arrangements for smooth running of the instrument

16. CONDUCTIVITY METER :

- For measurement of conductance of Aqueous & Non-Aqueous solutions in Cooling Towers: Demineralizer output, Reverse Osmosis, Steam Boilers, Condensate return, Water Streams, Boiler blow down, Acid, Salt and Alkali Concentrations, Laboratory Analysis, Fruit Peeling, Oceanography, Salinity & Desalinization, Level Detection, Chemical Streams etc.
- Extendable to measure Total Dissolved Solids.
- For conductometric titrations of Acids, Bases and specific Organic compounds in Aqueous & NonAqueous and Biological media

Specifications

- Range: 0 to 40, 200 μ S (Micro-siemens)
- Readability: 0.05 % of Range
- Accuracy: \pm 1% of Range
- Repeatability: \pm 1% of Range
- Data presentation:
 - Readout: 3½ digit 7 segment LED of 12.7 mm height.
- Physical dimensions
 - Size (WxDxH) in mm -300 x 150 x 140 approx or better
 - Weight (in kg) : 2- 3 kgs
- Operating frequency:800-1000 Hz
- TDS range: 0-1000 mg/L
- Power requirement: 230 V \pm 10% AC, 50 Hz, 1 ϕ , 5 VA Max.
- Temperature range: 0 to 100°C Manual
- Temperature co-efficient : 1-2%
- Cell constant: 0.1, 0.5 or 1.0 (selectable)
- Output: 20-40 mv full scale into 10 k ω resistive impedance or better.
- Accessories to be supplied: Cell stand with Cell holding Clip, Dip type Conductivity cells of cell constants 0.1, 0.5 and 1.

17. COMPUTER CONTROLLED BATCH DISTILLATION SET-UP:

Aim:

- To verify of Reyleigh's Equation
- To study the characteristics of Simple Distillation.

The equipment should consists of a distillation still made of stainless steel. The feed in the still should be heated externally by heater. The vapous form the top of the vessel should condensed in the type condenser by circulating cooling water. Temperature of the feed mixture should be controlled by means of a digital temperature Controller. The condensate is collected in a receiver made of stainless steel. The required for software for the equipment along with computer and all the accessories.

It will be better if the software will provide all the details data and calculations to prove the aim.

Technical Specifications:

Provide the software for the detailed calculations and operation.

The equipment should be mounted on wheel

- Electricity Supply: 1 Phase, 220 V AC, 2 kW
- Water Supply: Continuous 4 LPM at 2 Bar
- Digital Temp. Indicator: 0-300 °C with multi-channel switch
- Temperature controller: Accuracy ± 2 degree must
- Flow measurement: Rotameter for cold water for condenser
- Distillation still
- Condenser
- Concentric Tube type made of Stainless Steel
- Standard make On/Off switch, Mains Indicator etc.

Distillate tank

- Made of Stainless Steel should be Insulated with ceramic wool and cladding with Aluminum foil.
- Capacity: maximum 2Ltrs.
- Heater: Nichrome wire heater.
- RTD PT-100 type or better (For Steam Generator)
- Control Panel for temperature and others what are required for the smooth running
- The whole set-up is ingeniously designed and schematically arranged on a powder-coated rigid structure.
- User Manual consisting of experimental procedures, block diagram, detailed calculation etc.

The Bidders may download the **Tender Documents** directly from the website available at <http://www.vssut.ac.in> and the Tender document cost of Rs.1000/- (Non-refundable) by way of separate Demand Draft drawn in favour of “**Veer Surendra Sai University of Technology, Burla**” payable at **SBI, Burla** should be enclosed along with the Bid. The Tender cost 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:

- a) Cost of the Tender Document : **Rs.1000/- (Non-refundable)**
- b) Date of commencement of downloading bidding document: **16 / 09 / 2017**
- c) Last date and time for Receipt of bids : **23 / 10 / 2017 (5.00 PM)**
(The University will remain closed from **27.09.2017 to 08.10.2017 for Puja holidays**)
- d) Time and date of opening of Tender & technical bid : **30 / 10 / 2017 at 4.00 PM**
- e) 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

Sd/-
REGISTRAR
VSSUT, Burla

GENERAL TERMS AND CONDITIONS

GENERAL TERMS & CONDITIONS OF CONTRACT FOR SUPPLY, INSTALLATION AND DEMONSTRATION OF THE INSTRUMENTS AND EQUIPMENTS REQUIRED FOR DEPARTMENT OF CHEMICAL 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/equipments 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/Instruments.
- 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 and Machineries 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 documents should be submitted in cover-A.

- 3.1 Earnest Money Deposit.
- 3.2 Technical details of the equipment and instruments 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 Tax 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 the 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, GST, Packing, Forwarding and Handling charges, Insurance charges, ET, Freight up to destination including unloading, GST, 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 3(**three**) years 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 Chemical 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/instruments 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.
- Tax components in connection with the sale shall be shown separately and clearly.
- 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 only.

5.7 Tax clearance

Copies of valid Tax clearance Certificates, ITCC, STCC, VAT, GST & etc. 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 1% of the quoted amount** in shape of **Demand draft** drawn in favour of **“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

- The **Purchaser** will open all bids, in the presence of bidder's representatives who choose to attend at **4.00 P.M. on dated 30 / 10 / 2017** at the Office of the "**The Registrar, Veer Surendra Sai University of Technology, Burla**".
- 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.
- 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.

5.13 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.**

5.14 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 & 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.**

5.15 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.

5.16 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 payable on 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. 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

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.

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

VAT/GST will be paid to the Suppliers of the outside State other than Odisha, if claimed in the Bid offer. Any revision of VAT/GST 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/Costum duty, if any (b)	Packing & Forwarding (c)	Inland transportat ion, insurance and other local csts incidental to delivery (d)	CST/ Entry tax, if any (e)	Unit price (a+b+c+d+e)	VAT (f)	Total Price (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

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:

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 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