

# VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA, BURLA

(Formerly University College of Engineering, Burla)

Po: Engineering College, Burla, Dist: Sambalpur, Odisha, India, PIN: 768018

Phone: 0663-2430211, FAX: 0663-2430204, Website: [www.vssut.ac.in](http://www.vssut.ac.in)



## Quotation document for supply of instruments for Environmental Engg. Laboratory of Civil Engineering Department of the University

Quotation Call Notice No. VSSUT/ CIVIL/Env.Engg/ 10377

Date.09.12.2014

**Submitted by**

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Last Date and Time of Submission of : 12.01.2015 by 12 Noon

Quotations

Cost of Quotation Documents : Rs. 200.00 (Rupees two hundred only)

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

(Formerly University College of Engineering)

Quotation Call Notice No. VSSUT/ CIVIL/ Env.Engg /10377 Date: 09.12.2014

**Equipments needed for Environmental Engineering Laboratory**

Sealed quotations are invited from the intending reputed Original Equipment Manufacturers/Direct importers/Registered Authorized Dealers for supply of Equipments for Environmental Engineering Laboratory of Civil Engg Department of VSSUT, Burla. Detailed information and the quotation document are available in the University website [www.vssut.ac.in](http://www.vssut.ac.in).

Sd/-

**Comptroller of Finance**

**Memo No. VSSUT/CIVIL/10378(12)/2014**

**Dated 09 December 2014**

**Copy to**

- 1) M/s Display lines, 219, Saheed Nagar, Bhubaneswar-751007 with a request to publish the above advertisement in one issue of the Odisha daily edition (ALL ODISHA EDITION) of THE SAMAJ and the Odisha edition of The Indian Express using minimum space at I & PR approved/lowest rates. The bills may be sent to the Comptroller of Finance, VSSUT, Burla – 768018 in TRIPLICATE along with copies of the paper in which the publication is made, for necessary payment.
- 2) The Registrar, Sambalpur University, Jyoti Vihar, Burla/Principal, VSS Medical College Hospital, Burla/Principal, GM College, Sambalpur/D.M. & Collector, Sambalpur/District Public Relation Officer, Sambalpur/Executive Officer, Sambalpur Municipality/Executive Officer, NAC, Burla with request to display the above notice in their office notice boards for its wide publicity.
- 3) The University Notice Board for affixture and to the Prof. In-charge, University Web site with a request to hoist the tender call notice in the University web site [www.vssut.ac.in](http://www.vssut.ac.in) for publicity.
- 4) The SO, Establishment/S.O.Accounts/HOD,Ciivl Engineering, VSSUT, Burla, for information and necessary action.

**Comptroller of Finance**

**GUIDE LINES, TERMS AND CONDITIONS**

1. The bidder signing the quotation or other documents shall indicate his full name below his signature and must specify whether he has signed as:
    - a. Sole Proprietor
    - b. Partner, in the case of Partnership firm (Who is empowered to sign such quotations, enter into agreement).
    - c. Director, in the case of a company, incorporated under the Indian Companies Act and duly authorized by the Board of Directors for the purpose.
    - d. Holder of Power of Attorney or authorized signatory
  2. **Cost of quotation documents:** The cost of quotation documents is Rs.200.00 (Rupees two hundred only) (Non-refundable). The quotation documents can be downloaded from the University website [www.vssut.ac.in](http://www.vssut.ac.in). A bank draft towards the cost of quotation documents drawn in favor of ***“The Comptroller of Finance, Veer Surendra Sai University of Technology, Burla” payable at SBI, Burla*** must be submitted along with quotation.
  3. **Earnest Money Deposit (EMD):** A bank draft towards EMD for the amount of Rs.10,000.00 (Rupees Ten Thousands Only) drawn in favor of ***“The Comptroller of Finance, Veer Surendra Sai University of Technology, Burla” payable at SBI, Burla*** must be submitted. The EMD will not carry any interest. (Quotation without EMD & cost of quotation will not be taken into consideration).  
**Submission of quotation and Documents Required:**
  4. This quotation documents must be filled in completely and signed by the authorized signatory of the bidder on all the pages as acceptance of all the guidelines, terms and conditions laid in this quotation document. (This document should be printed on both sides of the A4 size paper sheet).
  5. The completed document must reach to “The Comptroller of Finance, Veer Surendra Sai University of Technology, Burla, PO. Burla, Dist. Sambalpur-768018 (Odisha)” by the last date of submission i.e. 12<sup>th</sup> January 2015 by 12 Noon under a sealed cover by **REGISTERED/SPEED POST** only. The quotations received after the due date & time is liable to be rejected. Quotation by FAX/ e-mail or any other media will not be entertained.
  6. The envelope containing the quotation must be super-scribed as **“QUOTATION FOR ENVIRONMENTAL ENGG. LABORATORY”** with due date & time of submission.
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7. The University is not responsible for delay, loss or non-receipt of quotation documents sent by the post.
8. The quotation should contain the following documents.
  - a. This quotation document signed on each page by the authorized signatory of the bidder.
  - b. Detail Name & address with Phone no./FAX No, e-mail ID of the contact person.
  - c. Bank draft towards EMD.
  - d. Bank draft (Non-refundable) towards the cost of quotation documents.
  - e. Self attested copies of VAT clearance certificate/IT return/service tax clearance certificate.
  - f. Documentary evidences/ technical literature/catalogues in original for the model.
  - g. **Information regarding deviations in specifications if any** must be attached separately.
9. The quotation document is not transferable. The quotations submitted by the bidder in their own proforma shall not be accepted. **Price bid must be filled up using ink/ball-point pen only.** However, information sheet of the bidder & undertaking can be typed & attached separately as per the proforma given.
10. It may be noted that one agency cannot represent or quote on behalf of more than one dealer in the particular quotation. Such quotations if received will not be considered.  
**Price and its Validity:**
11. The quotation shall contain the firm and final rates in clear and unambiguous terms in Indian Rupees **(Please quote price in Format enclosed as annexure-A).**
12. The quoted price must be inclusive of freight, packing, forwarding, transit insurance etc. for delivery at VSSUT ,Burla. The installation, commissioning and demonstration shall be at the supplier cost of the supplier.
13. The bidder shall also indicate the applicable prevailing VAT.
14. The quotation and the quoted prices shall be valid for 90 days from the date of submission of the quotation.
15. Prices will be quoted on F.O.B. as well as estimated CIP Burla basis for imported goods, Indian Agency commission/rebate payable to Indian Agent, if any, shall be shown separately and that will be payable in equivalent rupee directly to Indian Agent .The Indian Agency commission will be calculated on the exchange rate prevailing on the day

of negotiation of L/C. The Quotationer must quote the taxes levied, if any, on the Indian Agency commission. The supplier shall be responsible to get the goods air – freighted/sea freighted & air insured/marine insured up to the Institute. **(Please quote price in Format enclosed as annexure-B.)**

**Evaluation and Award of Contact:**

16. The University will evaluate the technical & financial aspects of the quotations. The University shall consider placement of orders for commercial supplies only on those eligible bidder whose offers are found to be technically, commercially and financially acceptable and who have accepted the terms and conditions as stipulated in this quotation document.
17. On all the matters relating to this quotation call document, the decision of the University shall be final and binding and the same cannot be referred to the court of law. The University reserves the right to reject any or all of the quotations without assigning any reason what so ever.
18. The University reserves the right to call the bidders and to conduct negotiations, if necessary and has the right to select more than one bidder for one or more items at its discretion.
19. Any deviation in technical specifications shall not be entertained ordinarily. The University reserves the right to modify the specifications during the execution stage of the purchase process. Wherever the technical specifications of items are changed either at the University request or at Bidder's request, revised price will be fixed, if necessary, by negotiations and as agreed upon by both parties.
20. The University reserves the right to order all or part or none of the items and/or services given in this document.
21. The quantities in the schedule may be increased or decreased to any extent depending upon the actual requirement.
22. The supplier shall **quote for the latest model of their equipments** only.
23. Unless otherwise specified in the order, the order price shall remain firm and will not be subject to escalation of any description during the pendency of the order, notwithstanding the change in the cost of materials, labour and/or variations in the taxes, duties and other levies on raw materials and components may take place while the order is under execution even if the execution of the order is delayed beyond the completion date specified in the order for any reason whatsoever.

24. The University may reject the bid even if it is accepted but the successful bidder fails to execute any of the guidelines, terms and conditions mentioned in this quotation document.
25. The supplier shall not assign or makeover the contract, the benefit or burden thereof to any other person or persons or body corporate. The supplier shall not underlet or sublet to any person(s) or body corporate for the execution of the contract or any part thereof.

**Delivery Period:**

26. All the instruments are to be door-delivered to the University within 90 days of the issue of the purchase order. In case the supplier fails to deliver the goods within the due period, the University reserves the right to cancel the purchase order and to place orders with other firms without assigning any reason thereof.
27. The supplier must supply all ordered items at a time. Part supplies are not acceptable and will not be entertained on any account. Any loss or damage during transit will be replaced at the cost of supplier.

**Installation and Demonstration:**

28. The supplier shall be liable to complete all installation and demonstration of the instruments at the site within 30 days from the date of receipt. All packing must be opened at the site and be handed over to the consignee, at the supplier's cost.
29. If the supplier does not complete the supply, installation and successful demonstration of the all the instruments within the stipulated date, it shall be open to the University to cancel the purchase order.

**Warranty:**

30. The instruments supplied will be under warranty for a period of 2 years from the date of installation and demonstration. Free replacement of faulty parts including free technical support shall be provided during the warranty period. Warranty Certificate shall be submitted at the time of delivery.

**Services:**

31. The supplier shall have a service support base and shall submit full detail address with phone no., fax no. and e-mail ID of the contact person for after sale service. The manufacturer or their Indian representative will ensure proper after sales service, against the guarantee/warranty clause as per terms and conditions agreed under negotiations,

would be provided to our University without fail. Any negligence on this account shall be the sole responsibility of the vendor/their agent and the liability for compensation will be fixed up by the Comptroller of Finance, VSSUT, Burla.

32. The supplier is required to take care of change in technology and supply the higher version of the instruments available at the time of delivery at the same total cost as per the order. The operating manuals in original must be supplied at the time of delivery of the instruments.

**Billing and Payment:**

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

38. **Payment Terms for imported instruments:**

In case of imported instruments, the payment schedule will be as follows.

A - 90% against shipment

B - 10% against satisfactory demonstration

The mode of payment will be through irrevocable letter of credit. However, Indian Agency Commission or Technical Services charges would be paid in Indian rupee after satisfactory receipt & installation of goods at site. Indian Agency Commission should be declared in the price bid. If Indian agency commission is not mentioned in the price bid no claim for it shall be admissible afterward.

**Other terms and conditions:**

39. The University reserves the right to cancel the purchase order if the instruments supplied fail to meet the specification mentioned within the terms and conditions of this quotation call document. The University shall not be held responsible for any loss or damage suffered by the bidder as a result of the cancellation of the purchase order.
40. The University may cancel the order if it is found that the agency is black listed on previous occasions by any of the departments/ institutions/ local bodies etc.
41. Any dispute arising out of the deal shall be subjected to the jurisdiction of the court at Sambalpur within the State of Odisha.

**DELIVERY AS WELL AS BILLING ADDRESS**

**THE COMPTROLLER OF FINANCE,**

**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA**

**BURLA-768018**

**DIST. SAMBALPUR (ODISHA)**



## **UNDERTAKING BY THE BIDDER**

To  
The Comptroller of Finance,  
Veer Surendra Sai University of Technology,  
Burla-768018.  
Dist Sambalpur, Odisha

***Subject: Quotation for "Supply of Equipments for Environmental Engg. Laboratory of Civil Engineering Department".***

Dear Sir,

1. We have studied the full contents of the quotation call document and agree to quote by the guidelines, terms and conditions laid in this quotation document.
2. We enclose all the sheets of this quotation call document duly signed by us on every page, as a token of accepting all the guidelines, terms and conditions laid in this quotation document.
3. In case of non- observance of any of the guidelines, terms and conditions mentioned in this quotation document by us, we understand that our quotation/purchase order (as the case may be) may be cancelled.
4. We warrant that the instruments supplied under this contract are new, unused, of the most recent or current models, and they incorporate all recent improvements in design and materials and all the services configured shall render trouble free function.
5. We hereby agree to supply the equipments as per the terms and conditions of this quotation call document if we are offered to execute the contract.

Dated:

Signature of

In capacity of

Duly authorized to sign the quotation for and on behalf of

Name and Address of the authorized Signatory

Signature.

Date:.



**Table-1: DESIRED SPECIFICATIONS OF THE INSTRUMENT**

Sl.No.	Name & Specification of articles/materials/machineries/services	Quantity	Remarks
1	2	3	4
1	<p><b>Orion Ionplus Fluoride electrode with waterproof connector</b>                      Concentration Range: Saturated solutions to <math>10^{-6}</math> M (0.02 ppm); pH Range: pH 5-7 at <math>10^{-6}</math> M (0.02 ppm F<sup>-</sup>) to pH 11 at <math>10^{-1}</math> M (1900 ppm F<sup>-</sup>); Temperature Range: 0 to 80 °C continuous use, 80 to 100 °C intermittent use; Electrode Resistance: 150 - 200 kilohms; Reproducibility: ± 2%; Cable Length 1 m</p> <p>0.1 M Sodium Fluoride Standard Solution, 475 mL (Orion No: 940906); 100 ppm Fluoride Standard Solution, 475 mL(Orion No: 940907); 1 ppm Fluoride Standard with TISAB II, 475 mL(Orion No: 040906); 2 ppm Fluoride Standard with TISAB II, 475 mL(Orion No: 040907) including all other necessary accessories.</p>	01 no.	
02.	<p><b>Hot Air Oven</b></p> <p>Chamber: Stainless Steel (304 Grade); Size (inner): 18" x 18" x 18"; Outer Body: Mild Steel with powder coated; Door: Double Walled Insulated Door with heavy hinges and Door Lock; Insulation: High Grade Glass wool insulation (75 mm); Temp. Range: Ambient + 5°C to 250 °C; Temp. Controller: Digital Temperature Controller cum Indicator with Date/Time Display</p> <p>Safety Features: An Additional inbuilt thermostat to be provided to Cut off power supply in case the Controller fails.</p> <p>Air Circulation: An Inbuilt Air Circulation Fan with Motor to maintain Temp. uniformity inside the Chamber.</p> <p>Timer: Digital with range 0-24 Hrs. Automatic Timer.</p> <p>Heaters: ISI Marked Heating Elements.</p> <p>Power: 220 Volts (± 10 Volts), Single Phase, 50 Hz.</p> <p>To be provided with NABL Accredited Lab. Calibration Certificate for Temperature controller complete with Air Ventilator Ports, Main Lead &amp; Plug.</p>	01 no.	

03.	<p><b>Mechanical Shaker</b>                  Holding capacity: 16 flasks; Continuous shaking of solutions in Erlenmeyer flask of 50 ml to 1000 ml capacity; Tray Materials: SS; Shaking/ Orbital Speed: 10-200rpm; Speed controlled and indicated by mechanical/digital speed controller; 220/230 volts AC supply; 16 flasks of 250 ml capacity including all other necessary accessories.</p>	01 no.	
04.	<p><b>Peristaltic Pump (Complete Packages)</b>                   Flow Rates peristaltic pumps:0.8-790 mL/min                  Flow Rates Multi-Channel pumps:0.005-320 mL/min                  Flow rate accuracy of control: <math>\pm 5\%</math>                  Speed Range: 10-120rpm                  Speed setting: scale                  Electronic Speed Control: analog                  Control accuracy motor (%): <math>\pm 2</math>                  Select direction of rotation :cw/ccw                  Motor Power: 71                  Supply power:150                  Operation Time : 24 Hrs                  Safety features : overheat protection                  Permissible Ambient : 0-40°C                  Temperature : at 80% humidity                  Supply voltage : 230V/50/60hz                   Along with all other tubing of different diameter and extension tubes</p>	01 no.	
05.	<p><b>Laboratory columns</b>                  Perspex column with a frustum at the bottom end having inlet and out let pipe.( Drawing has to be provided)</p> <p>(a) 25 mm dia and 55 cm length</p> <p>(b) 150 mm dia and 200 cm length</p>	01 no.  01 no.	
06.	<p><b>Micro Controller based fully automatic Turbidity Meter</b>                   Range: 0 - 1000NTU automatically in 4 ranges                  Accuracy: <math>\pm 2\%</math> of F.S                  Reproducibility: Within <math>\pm 3\%</math> of F.S                   Detector: Si. Photo Cell/LED</p>	01 no.	

<p>07.</p>	<p>Display: LCD Display</p> <p><b>Micro Controller based Conductivity Meter</b></p> <p>Conductivity Range: 0.1μ MHO or μS to 100 m MHO or mS. Measuring Accuracy: ±1% of F.S or ± 1 count. Display: LCD Display. Conductivity Cell (2 nos) 0.1 &amp; 1.0 CC. Cell Constant: Acceptable from 0.1 to 5.0. Temperature Compensation: 0-100°C- Automatic / Manual. Power Supply: 230V AC ±10% 50 Hz</p>	<p>01 no.</p>	
<p>08.</p>	<p><b>Micro Controller Based UV VIS-Spectrophotometer</b></p> <p>Measuring principle Lamp: Single beam technology Xenon;  Wavelength range (accuracy): 190 to 1100 nm;  Spectral bandwidth: 4 nm; Photometric accuracy: 0.003A from 0 - 0.3A, 1% from 0.3 - 3A; Absorbance Resolution:0.001 A; Absorbance accuracy: 0.003A at &lt;0.600A, 0.5 % of the reading for 0.600 &lt; A &gt; 2.000;  Display: Graphic display with background lighting;  Scan: Scans in 1 nm increments with free selectable wavelength range; Types of determination: Absorbance, Concentration, Transmission, Multiwavelength, Spectrum Scan, Kinetic; Type Of Cuvettes: 10mm ,20mm,50mm,16mm ( No Adapter should be necessary )</p> <p>No Of Test Methods Programmed: _____methods  _____ Parameters - _____ Tests</p> <p>Memory Results: 1000 Data Sets (20 Spectra &amp; 20 Kinetic Measurements); Interfaces: Parallel for Printer, Serial RS232 for PC, 2 USB ports; Bar Code Reading System: Cell Tests &amp; Reagent Tests with Auto Selector; Methods: Minimum 100 User Defined Methods with FREE Upgrade from Internet; Quality Control: Enhanced supported AQA - Analytical Quality Control, GLP Conform, Password Protection ,User Log On</p> <p>Data storage: 1000 single measured values; 4 MB for scans and kinetics, i.e. approx. 100 scans (300 - 900 nm) and 400 kinetic curves with 150 single values</p>	<p>01 no.</p>	

	<p>each</p> <p>User Management: Can Be Switched ON &amp; Off; User Accounts: 3 Hierarchical Levels (Administrator ,User ,Guest); Password Protection: For Administrator &amp; Users; Languages: English; Communication Interface: 1 USB-A, 1 USB-B, 1 RS 232; Protection class :IP 31 and drain device for spilled cell contents</p> <p>Power supply : INDIA specific power supply; length of the connection cable: 2.5 m; Power requirements : 100 - 240 V~ / 50 - 60 Hz / 0.75 A; Temperature Operating: +10°C to + 35°C; Storage: -25°C to + 55° C</p> <p>Allowable relative humidity :Annual mean: &lt; 75 %; 30 days / year: 95 %; other days: 85 %</p> <p>Including support for IQ, OQ, PQ, customized training programs, support in terms of installation &amp; basic operational training.</p> <p><b>Micro Controller based Flame Photometer</b></p> <p>Range in ppm: *Na: Up to 100 ppm, K: Up to 100 ppm, Ca: Up to 300 ppm</p> <p>Sensitivity: Na: 2 ppm, K: 1 ppm, Ca: 30 ppm.</p> <p>Air Compressor: Oil free air supply</p> <p>Fuel Gas: LPG</p> <p><b>Micro controller based digital pH Meter with Electrode &amp; Temp. Probe, Automatic pH Standardization which measures pH, mV-Absolute, mV-Relative and temperature</b></p> <p>No. of Calibration Point: 2-Point.</p> <p>Automatic &amp; manual temp. Compensation</p> <p>PH Range: 0 to 14 pH Resolution: 0.01 pH</p> <p>Temp. Compensation: 0 to 100 degree centigrade.</p> <p>Display: 3 digits for temp. &amp; 4 digits for pH, Mode annunciation by LED.</p> <p><b>COD Digester</b></p> <p>Measuring range from 0 to 15,000 mg/l O<sub>2</sub>, the photometer should be suitable for wastewater testing.</p>	<p>01 no.</p> <p>01 no.</p> <p>01 no.</p>	
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<p>12.</p> <p>13.</p>	<p>Two LEDs light sources with long-term stability (Lambada 1 = 605 nm; Lambada 2 = 430 nm, according to ISO 15705:2002), a large digital display, and user-friendly keypad to ensure maximum operating reliability and convenience. Including COD Photometer, COD reactor, 1 Set (Pack of 25Nos) of Vial tests for the range 0-150 mg/l, 1 Set (Pack of 25Nos) of Vial tests for the range 10-1500 mg/l</p> <p><b>DO Meter</b></p> <p>LCD display, DO range: 0 to20 PPM Supplied with probe and solutions</p> <p><b>BOD Incubator shaker</b></p> <p>Low temperature orbital incubator shaker: This is a combination of B.O.D. Incubator with rotary shaker .The standard size provided for a total incubator space where in shaking cultures mounted on a shaker platform as well as on static trays.</p> <p>Construction: double walled construction inner chamber is of stainless steel sheet outer made of mild steel sheet powder coated insulation : with NOH-hygroscopic Glass Fibre.</p> <p>Doors: double door ,inner door full view plexi glass and outer of Mild steel sheet powder with magnetic gasket for proper locking.</p> <p>Air circulation: By means of a smooth running blower motor to maintain uniform temperature inside working chamber.</p> <p>Heating: provide by a pair of replaceable type sealed air heaters made of nickel-chromium resistance wire.</p> <p>Cooling: By ISI marked Hermetically sealed compressor.</p> <p>Illumination: Built in operated on opening outer door.</p> <p>Temperature Range: 5 degree C to 50 degree C with accuracy of +/- 1 degree C</p> <p>Temperature control: By a solid state Digital</p>	<p>01 no.</p> <p>01 no.</p>	
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<p>14.</p>	<p>Microprocessor Temperature Controller-com-indicator with PT-100 sensor.</p> <p>Shaking Device: Rotary motion shaking device to run by a DC motor with an Auto variable control, complete with Digital indicating RPM Meter.</p> <p>Shaking Speed: 50 to 200 RPM with Digital Display.</p> <p>Shaking Tray Size: Shaking platform is provided to accommodate 5no. 250ml &amp;5nos. 100ml conical flask by means of lotus clamp with spring arrangement for proper holding.</p> <p>Static Tray: 2Nos adjustable stainless steel perforated tray is also provided.</p> <p>Safety Device: A built-in Delay/Relay system is provided in the control circuit to safeguard the refrigeration compressor against abrupt starting in the event of restoration of power after load shedding.</p> <p>Technical Specification: 5degree C to 50 degree C with an accuracy +/- 1 degree C</p> <p>Temperature Control: By a solid state Digital Temperature Controller-com-Indicator with PT-100 sensor.</p> <p>Shaking Speed: 50 to 200 RPM with Digital Display.</p> <p>Power Required: 220/230 V. Single Phase 50HZ, AC mains; Working Chamber size: 480Wx430Dx690Ht. Capacity: 142 Ltr(Approx)</p> <p><b>Microprocessor based Sound Level Meter</b></p> <p>Measurement Range: 30 to 130 DBA in three 50DB overlapping ranges.</p> <p>Error Indication: Over Range, under range and Low Battery.</p> <p>Accuracy/Class : Type II designed for field use.</p> <p>Display: LCD 16 Character, 2 Line Display with 0.1 DB resolution.</p> <p>Display of SPL, LEQ and SEL.</p> <p>Frequency Weighting: "A" type as per IS 15575 (Part I) 2005.*</p>	<p>01 no.</p>	
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	<p>Time Weighting: SLOW and FAST as per 15575 (Part I) 2005 with peak detector facility.</p> <p>Measurements: Sound pressure level (SPL), MIN SPL, MAX SPL, LEQ, Sound Exposure Level (SEL) and run time continuously available on the display by selecting appropriate display screen.</p> <p>Operations Modes: Continuous and Recording. In Continuous Mode the SLM100 displays the current SPL level and LEQ, SEL etc. for the duration of current session of operation. In Recording Mode, current values of above parameters are displayed on the screen and LEQ, MIN SPL, MAX SPL, and SEL values integrated over a minute are recorded in the built in data logger. The SLM100 allows the user to record multiple files making it possible to make a detailed survey at several locations before downloading data to a PC for Analysis.</p> <p>Memory capacity: The data logger provided in the SLM100 can store more than 24 hours data (at 1 minute intervals) in non-volatile Flash Memory.</p> <p>Data Download: The SLM100 Sound level Meter has a built in RS232 Serial Port for direct interface to a PC.</p> <p>Software: The instrument is supplied with Windows compatible Software that allows data download to a PC and makes the data available in an Excel Spreadsheet for analysis and report preparation.</p> <p>Battery: The SLM100 Sound level Meter is provided with a rechargeable NIMH battery pack. The instrument will operate for 10 hours or more with fully charged battery. A built in battery status facility allows the user to check useable battery hours and automatically prompts the user when the battery is running low. To prevent battery damage the instrument will automatically shut down when the battery voltage drops to pre set level.</p>		
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- The quotationer shall quote the quality/specification if any. Deviations from the specifications stated above, if any, may be mentioned in a separate sheet.
- Rates of all the instruments must be inclusive of all the standard accessories.



### **A . Price Bid Proforma for INR**

Name of the OEM/Business Partner of OEM: \_\_\_\_\_

Sl. No.	Name of the Instrument Make: Model No.:	
01	(A1) Base Price/Unit	
02	(A2) VAT @	
03	(A3) Freight Charge (if any)	
04	(A4) Any Other (If any, Mention Details)	
05	(A ) Total= A1+A2+A3+A4 in INR	
06	IN WORDS	

**Note-** (i) Price Bid Proforma should be provided individually for each equipment.

(ii) Taxes like VAT, Freight and or other taxes/ Charges, if any applicable must be explicitly mentioned in this price schedule. Any type of correction/ addition in price schedule shall not be permissible.

### **B. Price Bid Proforma for Foreign Currency**

Name of the OEM/Business Partner of OEM:	
EQUIPMENT Name:	
Make & Model No.	
Quoted FOB PRICE: SGD/JPY/Euro/USD/YEN	
Less Indian Agency Commission	
Net FOB Value	
Add Freight & Insurance	
Total CIP / CIF	
* Custom Duty	
* Clearance Charges	
* Add Indian Agency Commission	
Total Cost of Equipment + Custom & Clearance per Unit	
Total Cost of Equipment + Custom & Clearance for 20 Nos	
NOTE:- (*) Conditions applied.	
* <b>Custom Duty</b> will be paid on actual or Quoted rate, whichever is less.	
* <b>Clearance Charges</b> will be paid on actual or maximum @ 1% of FOB Price, whichever is less.	
* <b>Indian Agency Commission</b> will be paid on basis of the conversion rate on date of Negotiation of LC or of the date of Payment of IAC, whichever is less. No Taxes will be paid on IAC.	

**Note- Price Bid Proforma should be provided individually for each equipment.**