



COMSATS Institute of Information Technology  
Lahore Campus, Defence Road, Off Raiwind Road, Lahore

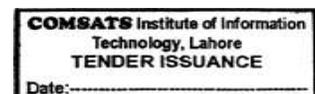
Tender No. CIIT-TN-13-16-779  
Case # 1935

**TERMS AND CONDITIONS**

**[All pages (BoQs & Terms & Conditions) are mandatory to be signed / stamped, failing which the bid may be rejected.]**

1. *Any addition, deletion or modification of any clause of the procurement terms & conditions/ BoQs of CIIT by any vendor will not be acceptable and may lead to rejection of the bid.*
2. *Only registered Suppliers, who are on Active Taxpayers List (ATL) of FBR, are eligible to participate in tender.*
3. The contract will be executed and handed over in satisfactory conditions up to the entire satisfaction of COMSATS Institute of Information Technology, Lahore Campus.
4. Documents along with Pay Order / Demand Draft amounting to **Rs. 1000/-** as a tender documents fee (Non-Refundable) shall be submitted in favor of COMSATS Institute of Information Technology, Lahore to the address given below. No bid will be accepted without tender documents' fee.
5. Part / Advance payments is not allowed.
6. The exact completion/delivery time from the date of the purchase / work order will be **60 days**. The handing over / completion time for this contract is of critical importance.
7. The bid proposal must be inclusive of freight and all other taxes delivered at COMSATS Institute of Information Technology, Lahore Campus's premises.
8. After opening of bids, COMSATS Institute of Information Technology, Lahore Campus will examine the bids for completeness as per tender document.
9. Purchase order (s) will be awarded to the lowest or technically recommended bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of BoQs.
10. COMSATS Institute of Information Technology, Lahore Campus, will follow the PPRA rule of **single stage two envelope procedure**:
  - i. The bid shall comprise a single package containing **two separate envelopes**. Each envelope shall contain separately the **financial proposal** and the **technical proposal**;
  - ii. The envelopes shall be marked as **“FINANCIAL PROPOSAL”** and **“TECHNICAL PROPOSAL”** in bold and legible letters to avoid confusion;
  - iii. Initially, only the envelope marked **“TECHNICAL PROPOSAL”** shall be opened;

**Signature & Stamp of Bidder**



- iv. The envelope marked as **“FINANCIAL PROPOSAL”** shall be retained in the custody of the procuring agency without being opened;
  - v. The procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
  - vi. During the technical evaluation no **amendments** in the technical proposal shall be permitted;
  - vii. The financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
  - viii. After the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically nonresponsive shall be returned un-opened to the respective bidders;
  - ix. The bid found to be the lowest evaluated bid shall be accepted.
11. Bidders cannot challenge the finding of the evaluation or ask for reason of disqualification.
12. The bid should be submitted in a sealed envelope up to **January 04, 2017** on or before **1400hrs** and will be opened on the same date **at 1430hrs** in the presence of available bidders.
13. The envelope should be marked as under;
- Secretary, Purchase Committee**  
**COMSATS Institute of Information Technology, Lahore Campus**  
 Defence Road, Off Raiwind Road, Lahore.  
 Tel: 042-111-001-007, Ext: 875
14. The envelope shall also bear the word **“CONFIDENTIAL”** and the Title of procurement of **“Lab Equipment for Chemical Engineering Department, CIIT-Lahore”**.
15. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.
- 16. If the vendor fails to deliver the goods / services to CIIT-Lahore in time then the penalty will be charged as under:-**
- a. 1% per day of the invoice price for 5 working days.
  - b. 2% per day of the invoice price for further 5 working days.
  - c. If the vendor fails to deliver the goods / services during the extended period then the purchase / work order may be cancelled, earnest money and payment may be forfeited.
17. If the delivered goods / services are not according to the required quality standards / specifications, the same shall be liable to be rejected after inspection. The vendor would be required to supply as per requirements mentioned in our BoQs, otherwise the purchase / work order will be cancelled after due date with confiscation of earnest money.

18. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.
19. Payment will be made on submission of Invoice in the name of “COMSATS Institute of Information Technology, Lahore Campus” with a copy of delivery challan (s) after the complete order has been supplied, inspected and accepted which includes delivery / installation, and COMSATS acceptance / inspection thereof.
20. All prices should be quoted on **F.O.R (Pak Rupees) inclusive of all taxes.**
21. All prices should be valid for at least **120 days.** Withdrawal or any modification of the original offer within the validity period shall entitle CIIT to forfeit the earnest money in favor of the CIIT and / or put a ban on such vendor participation in CIIT tenders / works.
22. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
23. In case of any dispute, decision of the Director, CIIT will be final and binding upon the parties.
24. The CIIT reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.
25. Warranty will be on the part of supplier, which is **One Year Warranty** after the completion of supply /work.
26. **05% of the total value of the Invoice will be retained as security by COMSATS Institute of Information Technology, Lahore Campus, and will be released after One Year, from the date of delivery / completion of work / supply.**
27. **The bidder is required to furnish in form of Bank deposit / CDR / Pay order equivalent to 2% of the total Bid price as Earnest Money crossed in favor of “COMSATS Institute of Information Technology, Lahore Campus”. Any bid not accompanied by Earnest Money shall be rejected without any right of appeal.**
28. COMSATS Institute of Information Technology, Lahore Campus reserves the rights to accept or reject the bid if;
- i. Received without earnest money
  - ii. Received later than the date and time fixed for tender submission
  - iii. The tender is unsigned/ unstamped
  - iv. The offer is ambiguous
  - v. The offer is conditional
  - vi. Offer is made by the unauthorized agent/ supplier of the original equipment manufacturer.
  - vii. The offer is from a firm, which is black listed by any Govt. Office.
  - viii. The offer is received by telephone/telex/fax/telegram.
  - ix. Any unsigned / ambiguous erasing, cutting / overwriting etc. is made.

29. The bidder should furnish a certificate as worded below in token of acceptance of all the terms and conditions of the tender. Otherwise the tender will not be considered under any circumstances.
30. The undersigned affirm that the terms and conditions as contained in this document have been read and accepted and that in the event of selection of my/our rate the agreement in the prescribed form will be entered into:

- **Company / Vendor Name:**.....
- **Postal Address:**.....
- **Tel. / Mobile:**.....**Email:**.....
- **NTN# :**.....**GST#:**.....
- **Signature:** .....
- **Please also attach the Certificate supporting being Active Taxpayer as per requirement of FBR.**

**BoQs of Lab Equipment for Chemical Engineering Department, CIIT-Lahore**

No change in the BoQs (Specs & Qty.) of CIIT, as detailed below, is allowed. Any additional information may be mentioned in the blank columns (i.e. model / brand or Price). Any modification in CIIT’s BoQ may lead to rejection of bid(fully or partially).			Qty		Prices should be quoted in Pak Rupees inclusive of all applicable taxes		
Sr. #	Equipment Name	BoQs/Specification			Quoted Brand / Make	Unit Price (Rs)	Total Price (Rs)
1	<b>Bench top Centrifuge Machine</b>	Automatic rotor recognition, Max Speed: 15000rpm, Max RCF: 21000xg, Max capacity: 4 x 200ml, Timer: 1-99min or continuous, Short cycle: impulse key for short cycle Angle Rotor: Capacity: 24 x 1.5ml, speed: 15000rpm, RCF: 21000xg Angle Rotor: Capacity: 12 X 15ml, speed: 12000rpm, RCF: 16500xg Germany, Japan, UK or equivalent	1	No			

2	<b>Autoclave</b>	Capacity 85 Liters, Chamber material SUS304, Sterilization temperature 138C, Range of sterilization time 1-300minutes, Fully automatic internal discharging Embedded with a steam trapping bottle, drainage hose, water plate, exhaust bottle, Two stainless steel baskets, inter locking device, electric double inner locks, dry scorch protection, over pressure protection, safety valve, over temperature protection, over current and short circuit protection, leakage protection, cooling lock, anti-scald chamber cover and bench, automatic troubleshooting USA, Germany, Japan, UK or equivalent	1	No			
3	<b>COD measuring system</b>	Digital, Microprocessor controlled, Direct pre-calibrated for Measuring COD, meets the requirement of USEPA Standard COD Measuring Range: 0~150, 0~1500, and 0~15000 mg/L ( $\pm 3.5\%$ ) Photometer with LCD Display, Temperature compensating LED's (430/605nm), protected measuring tube, Measuring time approx. 3 seconds, automatic switch-off 5 minutes after last Key-press, 9V Block battery, with Instruction Manual To be used with 16mm round Cuvettes Microprocessor controller for COD Digestion Round metal block in epoxy covered housing with 24 x 16mm tube holder Three different Temperature setting 100°C/120°C/150°C $\pm 0.1^\circ\text{C}$ , and Three Pre-set reaction Timer 30-60-120 minutes or continuous, Overheating protection, With LED Indication and beep alarm 88dB signal and automatic switch-off Heating 550 Watts, 220VAC, 50Hz. COD Vial Tests – (ISO 15705:2003-01), pre-dosed Vial Tests Range 0 – 1500 mg/L (25 tests per set) 1 Set Vial Tests Range 0 – 15000 mg/L (25 tests per set) 1 Set Stand for COD Vials 1 No Germany, USA, Japan or equivalent	1	No			

4	<b>BOD Incubator &amp; Measurement system</b>	<p>6places, Manometric: mercury-free; electronic pressure sensor  Ranges [mg/l O<sub>2</sub>] 0 - 40, 0 - 80, 0 - 200, 0 - 400, 0 - 800, 0 - 2000, 0 - 4000 mg/l  Display 128 x 240 pixel, 45 x 84 mm, backlit  Measurement period User-selectable, between 1 and 28 days  Auto result storage up to 672 results, depending on measurement period  Storage Interval hourly (1 day) interval, every 2 hours (2 days), daily (3-28 days)  Automatic start function: After temperature equalization of samples, Can be switched off  3 alkaline-manganese supply batteries (“Baby” cells/size “C”) or via power supply unit using y-cable together with stirring unit  Interface USB host port (USB stick), USB device port (computer), SD card  Real-time clock, large LCD display, Protection class IP 54 (sensor head)  6 Nos BOD Bottles, 500mL Amber Glass  6 rubber gaskets, 6 magnetic stirring rods  1 overflow flask, 157mL,  1 overflow flask, 428mL  1 bottle, 50mL potassium hydroxide solution  1 bottle, 50mL nitrification inhibitor solution  Incubator with temperature range 2 to 40C, 3 racks, 1 bottom grid, 4 internal sockets, capacity 140 liters, lockable glass door  Germany, USA, Japan or equivalent</p>	1	No			
5	<b>Oven</b>	<p>Microprocessor PID controlled with LCD display and integrated timer, 8°C above room temperature to 300°C, Working chamber made of stainless steel with two shelves. Ventilation slide and exhaust duct Ø 50mm, Inner chamber volume in liters: 114, 99.59 hours timer and temperature safety system, Shelves 2 Nos. (adjustable), Electrical 220 VAC, 50 Hz, USB port for recording data  Germany, Japan, USA or equivalent</p>	1	No			

6	<b>Biosafety cabinet (B2 )</b>	4 feet, 100% exhaust, class 2 B2, LCD Display of Chamber airflow speed, Exhaust flow/Inlet speed, Digital Microprocessor Controlled, HEPA filter > 99.999% efficient for particle size between 0.1 to 0.3 microns, Exhaust filter HEPA filter > 99.999% efficient for particle size between 0.1 to 0.3 microns, with stand Western EEC, USA, Japan, UK or equivalent	1	No			
7	<b>Freeze Dryer</b>	Digital Microprocessor Control with LCD display. Condenser temperature: - <-50°C, condensation capacity: 2kg/24 h, condenser chamber made of stainless steel: 220 mm x 190 mm height, glass-beaded, volume: 5.7l, cooling trap with digital temperature display with socket 230 V / 50 Hz / 16 A, removable silicone gasket for connecting, accessories, vacuum pump connection, casing completely made of robust stainless steel sheets, Acrylic drying chamber Ø 200 x 300mm with base plate and cover, Inner rack made of stainless steel Ø 175mm, with 5 shelves, shelve distance 55mm. Vacuum pump suction rate: 5.4 cbm/h, final vacuum: 0.005mbar, 230 V/50 Hz, incl. oil mist filter and security valve Germany, USA, Japan or equivalent	1	No			
8	<b>Freezer (-40C)</b>	Net Capacity: 240L, Insulation (mm): 80, Temperature range: -10 to -40C, Max. Ambient temp: 25C, Power: 220V, 50Hz, Power failure alarm, Visual / Acoustic alarm: yes, Adjustable high / low temperature alarm: yes, Display: Digital, Defrost: manual, Drawers 7 Nos, Castors: 2 small in back, Refrigerant: R507 Western EEC, USA, Japan or equivalent	1	No			
9	<b>Top &amp; analytical Balance:</b>	Type: Digital Microprocessor Controlled, Capacity: 210 g. Readability: 0.1mg (0.0001g). Tare range: 210 gm. Repeatability: < + 0.1 mg, Linearity: < + 0.3 mg, Response time: 3 Second. Pan size (dia): 90 mm, Calibration: Internal. Weighing Below Hook, All glass draught shield with 3 sliding doors, Communication: RS232, Display: LCD	1	No			

		Digital Microprocessor Controlled, Capacity 410 g, Readability 1mg (0.001g), Tare range 410 gm, Repeatability < + 1 mg, Linearity < + 2 mg, Response time 3 Second, Pan size (dia) 120 mm, Weighing Below Hook, All glass draught shield with 3 sliding doors, Communication RS232 USA, Japan, Switzerland or equivalent <b>(01 each)</b>					
10	<b>Lab Refrigerator</b>	Capacity: 500 liters. Temperature range: +2 to +8C. Micro processor controller with digital display. 60 hours battery backup Visual and acoustic alarm. Prepared for GSM alarm. Integrated data logger with 10 years memory with date, time & temperature of the chamber. RS485/232 Interface. Computer USB data read out. Direct download/upload from USB. 3-level password protected. Ambient temperature display, metallic door, chart recorder Western EEC, USA, Japan or equivalent	1	No			
11	<b>Water Purification Unit</b>	Feed water temperature +2 to 35C, Feed water pressure 1 to 6 bar, Manganese and iron content < 0.05 mg/l, Free chlorine content < 1 mg/l, Silt density index (SDI) max. 3, Type 1 ultrapure water, Ultrapure water conductivity 18.2 MΩ x cm $\cong$ 0.055 $\mu$ S/cm, Dispensing performance up to 1.6 l/min, TOC value 1 - 5 ppb, Endotoxines 0.001 EU/ml, Particle and bacteria content < 1 CFU/ml, Type II pure water, Pure water conductivity 15-10 MΩ x cm $\cong$ 0.067-0.1 $\mu$ S/cm, Pure water performance at 15°C 12 l/h, With tap water input Spare cartridges 3 sets Germany, USA, Japan or equivalent	1	No			

12	<b>Soxholt Apparatus</b>	Independent heating control for each position. Height adjustable bar to support condensers or other glassware etc. External case made of AISI 304 stainless steel. Safety: as earth strip is woven into the mantles. Temperature control by the use of a pulsed energy regulator. An indicator lamp shows when the mantle is on. Adjustable mantle surface temperature up to 550°C, 6 places for heating mantles with complete glassware assembly Western EEC, USA, Japan or equivalent	1	No			
13	<b>Oil Bath</b>	Water bath serological, Exterior body of steel sheet, Interior body of stainless steel, Capacity: 12 Liters, Temperature range up to 200C, Temperature accuracy + 1%, Perforated stainless steel bottom tray, Built in temperature sensor, Digital display to temperature, Gabled lid Western EEC, USA, Japan or equivalent	1	No			
14	<b>Sonicator</b>	The energy set point continuously monitors the amount of energy in Joules (watts x seconds), that is being delivered to the probe, and terminates the ultra sonic when the total energy delivered reaches a predetermined level. Digitally displays the actual amount of power in watts that is being delivered to the probe. Allows process control and monitoring from 1°C to 100°C. Microprocessor Based Programmable, Automatic Amplitude Compensation, Real Time Display, Variable Power Output Control, Ten Hour Process Timer, Elapsed Time Indicator, Independent On/Off Pulser, sound reducing enclosure, 20KHz, 500 watts Sealed converter: Piezoelectric lead zirconate titanate crystals (PZT) Diameter: 2 1/2" (63.5 mm) Length: 7 1/4" (183 mm) STANDARD PROBE: Tip diameter: 1/2" (13 mm) with threaded end and replaceable tip or solid probe with non-replaceable tip Processing capability: 10 ml to 250 ml. Length: 5 3/8" (136 mm) Weight: 3/4 lb. (340 g) Titanium alloy Ti-6Al-4V Sound abating enclosure	1	No			

15	<b>Shaking incubator</b>	Digital Microprocessor Control, LCD Touch Screen, 60 liters, Shaking Speed 30-400, Shaking Mode Orbital, Tray (WxD) 400 x 400mm, temperature Range 4 to 60C, Temperature Accuracy 0.1C, Temperature Uniformity $\pm 1^{\circ}\text{C}$ @37C, Timer 1 to 999 minutes, Constant Temperature, Door Switch, Over-temperature Protection, Compressor Overload Protection, Electrical, Leakage Protection	1	No			
16	<b>UV-Vis Spectrophotometer</b>	Optical system Double beam Wavelength range 190 to 1100nm Spectral bandpass 1.5nm Stray light 0.05% or less (220nm for NaI, 340nm for NaNO <sub>2</sub> ) Wavelength accuracy $\pm 0.3\text{nm}$ (at 656.1, 486.0nm) Wavelength setting repeatability $\pm 0.1\text{nm}$ Photometric range -3 to 3Abs 0 to 300%T Photometric accuracy $\pm 0.002\text{Abs}$ (0 to 0.5 Abs) (certified according to $\pm 0.004\text{Abs}$ (0.5 to 1.0Abs) NIST SRM 930), $\pm 0.008\text{Abs}$ (1.0 to 2.0Abs) $\pm 0.3\%T$ Photometric repeatability $\pm 0.001\text{Abs}$ (0 to 0.5Abs) (certified according to $\pm 0.002\text{Abs}$ (0.5 to 1.0Abs) NIST SRM 930) $\pm 0.004\text{Abs}$ (1.0 to 2.0Abs) $\pm 0.1\%T$ Wavelength scan speed 10, 100, 200, 400, 800, 1,200, 2,400, 3,600nm/min Response Fast, standard, slow Baseline stability 0.0003Abs/h (at 500nm, 2 hours after power-on) Noise level $\pm 0.00015\text{Abs}$ (at 500nm) Baseline flatness $\pm 0.0006\text{Abs}$ (within 200 to 950nm) Light source WI and D2 lamps Light source changeover Auto (user selectable from 325 to 370nm) Detector Silicon photodiode Color LCD with backlight (26.4cm) Printer I/F Centronics interface Serial I/F RS-232C (exclusive for UV Solutions program)	1	No			

		Power supply 220, 230 or 240 V, 50/60Hz Power consumption 300VA Japan, USA, UK or equivalent					
17	<b>Lab Scale Microwave Oven</b>	Lab Scale Microwave Oven fitted with gas inlet and outlet	1	No			

**Note:**

1. Please quote the rates on our BoQs and clearly mention the quoted model / brands, otherwise your bid / items may be rejected.
2. Purchase / work order (s) will be awarded on Item Wise Basis as mentioned in BoQs.
3. In Addition to filling of the attached BoQs, supporting literature of the quoted model must be attached for verification & technical evaluation of the required specification by the technical committee. In case of any clash is found between the quoted model and the literature model. So the item/bid may be rejected.
4. Terms & Conditions and BoQs should be attached with Technical and Financial bids, otherwise your tender/bid(s) may be rejected.
5. Multiple prices of an item may lead to the rejection of item/bid