



### TERMS AND CONDITIONS

**[All pages (BoQs & Terms & Conditions) are mandatory to be signed/stamped, Rates should be quoted on our prescribed format, failing which the bid may be rejected]**

1. The contract will be executed and handed over in satisfactory conditions up to the entire satisfaction of COMSATS Institute of Information Technology, Lahore Campus.
2. Documents along with Pay Order / Demand Draft amounting **Rs. 1,000/-** as a tender documents fee (Non-Refundable) in favor of COMSATS Institute of Information Technology, Lahore to the address given below. No bid will be accepted without tender documents' fee
3. Part / Advance payments is not allowed.
4. The exact completion/delivery time from the date of the purchase / work order will be **120 days**. The handing over / completion time for this contract is of critical importance.
5. The bid proposal should be inclusive of all freight and packaging charges and will be delivered at Lahore Airport.
6. **The conversion rate of FCY will be applied on actual GD-1(Conversion Rate)**
7. **Custom clearance will be cleared by COMSATS Lahore Campus.**
8. Any addition, deletion or modification of any clause of the procurement terms & conditions of CIIT by any vendor will not be acceptable and may lead to rejection of the bid.
9. 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;
  - 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. and
  - x. The bid found to be the lowest evaluated bid shall be accepted.
10. Bidders who do not qualify cannot challenge the finding of the evaluation.
  11. The bids should be submitted in a sealed envelope up to **29-10-2014** on or before **14:30 hrs** and will be opened on the same date **at 15:00 hrs** in the presence of available bidders.
  12. The envelope should be marked as under.  
  

**Manager Purchase**  
**COMSATS Institute of Information Technology, Lahore Campus.**  
Defence Road, Off Raiwind Road, Lahore.  
Tel: 042-111-001-007, Ext: 875
  13. The envelope shall also bear the word **"CONFIDENTIAL"** and following identification quotation of **"Lab Equipment for Electrical Engineering Department"**.
  14. The bid form (Annex-I) must be duly filled in, stamped and signed by the authorized representative of the bidder.
  15. If the vendors fail to deliver the order in time then the vendor will be charged penalty 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 fail to deliver the items during the extended then the supply order may be cancelled, earnest money and payment may be forfeited.
  16. All prices should be quoted in **C&F with all freight charges.**
  17. 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.
  18. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
  19. In case of any dispute, decision of the Director CIIT-Lahore, will be final and binding upon the parties.
  20. The CIIT-Lahore reserves the right to modify equipment specifications/quantities at any time before the award of work.
  21. The bidder is required to furnish in form of Bank deposit /C.D.R / Pay order equivalent to **2%** of the total Bid price as Earnest Money crossed in favor of "COMSATS Institute of

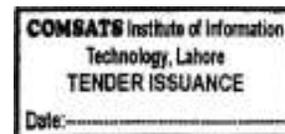
Information Technology, Lahore Campus". Any bid not accompanied by Earnest Money shall be rejected without any right of appeal.

22. Warranty will be on the part of supplier, which is **One Year Warranty** after the completion of supply /work.
23. **05%** of the total value of the Invoice will be retained for **One Year** as security by COMSATS Institute of Information Technology, Lahore Campus, and will be released after the completion of warranty period, which will start from the date of completion of work
24. COMSATS Institute of Information Technology, Lahore Campus, reserves the rights to accept or reject any or all bids without assigning any reason whatsoever.  
**No offer of a supplier/firm will be considered 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. The offer is from a firm, which is black listed, by any Govt. Office.
  - vii. The offer is received by telephone/telex/fax.
  - viii. Any unsigned / ambiguous erasing, cutting / overwriting etc. is made.
25. The tendered 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.

I / We

- Company / Vendor Name:.....
- Postal Address:.....
- Tel. / Mobile:.....Email:.....
- NTN # :.....GST#:.....

the undersigned certify that the terms and conditions as contained in the documents vise, " Terms and Conditions for Tender Notice of COMSATS Institute of Information Technology, Lahore are accepted and that in the event of selection of my/our rate the agreement in the prescribed form will be entered into.



**BoQs of Lab Equipment for Electrical Engineering Department , CIIT Lahore**

Sr . #	Item Name	System Specification	Qty		Rates to be quoted in C&F Lahore with all freight charges			
					Quoted Model/ Make	Quoted Currency	Unit Price(C&F Lahore Airport)	Total Price (C&F Lahore Airport)
<b>Electronics Lab</b>								
1	Analog / Digital Trainers A-Tek (Model AT-700) or equivalent	Tie-Point removable breadboard, AC Input with suitcase, connected by the user using standard solid AWC #22-30 wire	20	Nos				
2	Function Generator/counter (Gwlnstek GFS-8015G) or equivalent	Frequency Range:0.2Hz ~ 2MHz Waveforms : Sine, Triangle, Square, TTL pulse and Ramp Variable and Fixed TTL output 1000 : 1 Tuning Range Two-step attenuator plus variable control Variable DC offset control VCF input function Output Overload protection	40	Nos				
3	Oscilloscope	Model PicoScope 5203 PicoScope 5204 or Equivalent. Bandwidth (at probe tip) 250 MHz Rise time (calculated) 1.4 ns Input channels 2 Vertical resolution 8 bits Enhanced vertical resolution 12 bits DC accuracy ±3% Input characteristics 1 MΩ in parallel with 15 pF Input type Single-ended, BNC connector Input coupling Software selectable AC/DC Input ranges (full scale) ±100 mV to ±20 V in 8 ranges Overload protection ±100 V (DC+AC peak)	20	Nos				
4	Digital Multimeter	6.5 Digit Resolution Basic VDC Accuracy of up to 0.0024% (1 yr.) 100 mV to 1000 V Voltage Range, with up to 100 nV Resolution 100 μA to 10 A Current Range, with up to 100 pA Resolution 10 Ω to 1 GΩ Range, with up to 10 μΩ Resolution CAT I 1000 V, CAT II 600 V	20	Nos				

5	LCR meter	0.1% basic measurement accuracy Dual 5 digit high brightness displays Automatic component recognition Built-in 4 terminal component fixture Limits comparator with 8 Pass bins plus 2 Fail bins Three test frequencies, switchable bias RS232 interface standard Optional Surface Mount Tweezers, BNC connectors, Kelvin Clip test lead set, and PC logging software	20	Nos				
6	Power Meter	Watts 0 - 1850 0 - 1850 Kilowatt-Hours 0.001 - 9999 0.001 - 9999 User Cost (cents/kWh) 0 - 99 0 - 99 Average Monthly Cost Yes Yes Amps RMS NA 0.20 - 15.00 (+/- 3%)* Volts RMS NA 0 - 130.0 Power Factor NA 0.000 - 1.00 (+/- 5%) VARS NA 20 - 1850 (+/-5%)* Volt-Amps NA 20 - 1850	40	Nos				
7	Spectrum Analyzer Instek GSP-730 3GHz or Equivalent	Frequency Range : 150kHz -3GHz - Autoset Function - Noise Floor: $\leq$ -100dBm - RBW Range : 30kHz, 100kHz, 300kHz, 1MHz - ACPR/CHPW/OCBW Measurement - 3 Traces in Different Colors - Split Window Function - Limit Line Function - Remote Control Software - Presentation Material for Training Courses - Support Interface : USB Device/Host, RS-232C - 5.6" TFT LCD with VGA Output	5	Nos				
Communication Lab								
1	Tektronix RSA5106B Spectrum Analyzer or Equivalent	Bandwidth: 25 MHz, 40 MHz, 80 MHz, and 165 MHz, Frequency Range: 1 Hz - 6.2 GHz,	1	No				

Microwave Lab							
1	Analog Signal Generator	Analog Signal Generator with optional software and hardware accessories Frequency range: 250 KHz to 20 GHz	1	No			
2	Microwave Active Circuit Design Trainers	Microwave Active Circuit Design Trainers Design and implementation of microwave front end receiver and transmitter module, voltage controlled oscillator and phase locked loop, IQ modulator and demodulator and execution of digital wireless transceiver modu	2	Nos			
3	Oscilloscope	2 channel 6GHz Oscilloscope	1	No.			
4	Microwave Passive Circuit Design Trainers	Microwave Passive Circuit Design Trainers Design and implementation of switches, attenuators, Wilkinson power dividers, branch line couplers, lange coupler, ring coupler, directional coupler, baluns, low-pass, bandstop and bandpass filter, PBG Filter	2	No.			
5	Probes	Probes for 2.7GHz GSP-827 Spectrum Analyzer	1	No.			
6	Uninterruptible Power Supply	Pure Sine Wave UPS 4KW complete with Batteries	1	No.			
7	Soldering Machine	Wave Soldering Machine with optional accessories For small and midsize volumes in standard and lead free technology Solder width up to 330mm Spray or Foam Fluxer Microscope for fine soldering etc.	1	No.			
8	PCB Production	Double Sided UV Unit	1	No.			
9	PCB Sheets	PCB Sheets Garolite - G10 - FR4 sheet, Thikness: 3-100mm, Size: 1020x1220mm, 1980x980mm, 1020x2040mm	1	No.			
10	Calibration Kit	Calibration Kit Incl. Load, Short, Connectors, Adaptors etc., Cables, SMA, BNC	1	No.			

<b>Machines Lab</b>							
1	Dissectible Machine with power supply	The complete Dissectible Machines System includes all the equipment required to perform the full range of student assignments. The system comprises two benchtop frames. One holds all the individual components required to build the extensive range of Dissectible Machines. The second frame houses the workstation. It consists of a range of ac and dc meters, resistive and capacitive loads and power supplies. The system provides a hands-on approach to the understanding of electrical machines principles suitable for training technician and undergraduate engineers.	2	Nos			
<b>Control Lab</b>							
1	NI myRIO wifi enabled	<ul style="list-style-type: none"> <li>• NI myRIO and Accessories</li> <li>• Xilinx FPGA and dual-core ARM® Cortex™-A9 processor</li> <li>• Programmable with NI LabVIEW or C;</li> <li>adaptable for different programming levels</li> <li>• 10 Analog Input channel ±10V 12 bit ADC</li> <li>• 6 Analog Output channel ±10V 12 bit DAC</li> <li>• Digital I/O 40 ch LVTTTL</li> <li>• DIO supporting PWM, I2C, SPI, Quad Enc, GPIO</li> <li>• Audio In/ Out: 2 channel Stereo</li> <li>• Wireless/ Enet connection</li> <li>• LEDs, push button</li> <li>• 3 axis accelerometer onboard</li> <li>• Contains components with a variety of digital interfaces (SPI, I2C, UART)</li> </ul>	1	No			
2	Signal Generator	Frequency Range. 250Khz- 1Ghz	10	No.			
<b>Microprocessor and Interfacing (MPC) Lab</b>							
1	Workbench Magnifiers	Magnifier with stand and independent light source.	5	No.			

**Data Communication and Internetworking Lab**

1	V.35 Cable or Equivalent	CAB-SS-V35MT: DTE MALE to Smart serial, CAB-SS-V 5FC: DCE Female to Smart Serial or Equivalent	10	No.				
2	Wireless Lan Controller	NM-AIR-WL6-k9, wireless LAN Controller module for 2 8/38xx IS or Equivalent	1	No.				
3	Access Point	CISCO 802.11g/m-d2.0 2.4-GHz Mod Auto AP or Equivalent	2	No.				
4	High Speed WAN (Serial ) Interface Card	CISCO HWIC-4T or Equivalent	6	No.				
5	Wireless LAN Card	Linksys 802.11g or Equivalent	10	No.				
6	High Speed WAN (Wireless) Interface Card	HWIC-AP w 2.4GHz 802.11 b/g or Equivalent	3	No.				
7	PSTN Phone for VoIP Calls	Digital Phones Panasonic or Equivalent	3	No.				
8	CISCO VOIP Phones	Cisco CP-7960 IP Phone or Equivalent	2	No.				
9	Wireless Mesh Network: based on WiFi technology	MOTOROLA, CISCO AIRWAVE, ALVARION or Equivalent	1	No.				

- **Price should be quoted of every single item inclusive of all freight charges on the attached BoQs form only. Do not use your own company letter head; otherwise your bid will be rejected.**
- **Quoted currency should be mentioned in given column.**

