



### 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 Physics 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

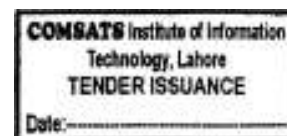
Information Technology, Lahore Campus". Any bid not accompanied by Earnest Money shall be rejected without any right of appeal.

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 Physics 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)
1	Planetary Ball Mill	High-energy effect of grinding balls No-loss grinding - including suspensions Simultaneous grinding of 2 grinding bowls. Grinding bowl sizes (cpl zirconium oxide) 80 ml Grinding ball diameter 10 mm Max. feed size 5 mm Min. sample quantity 0.5 ml Max. sample quantity 100 ml Final fineness < 0.1 µm Typical grinding time down to analytical fineness 3 min Grinding process Dry/Wet Rotational speed of main disk 100-1100 rpm Transmission ratio i relative = 1: -2 Effective diameter of main disk 140mm Centrifugal acceleration (g = 9.81 m/s <sup>2</sup> ) 95 g Motor shaft power in accordance with VDE 0530, EN 60034 0.9 kW Electrical Details 200-240/50-60 Hz Integrated USB interface fast bowl changes SelfLOCK system Also included UPS and stablizer	01	No				

2	<b>Nanovoltmeter</b>	Nanovoltmeter Channel 1: Voltage Range 10mV-100V Channel 2: Voltage Range 100mV-10V Resolution: 1nV With microswitch to engage power. Four inch diameter Isolation Test disk. Sample Size: 2" ~ 12" Square or round Chuck Probe Material: BeCu or Tungsten Noise immunity for prober and test connections Hot chuck plate (User Defined Temperature Range) Compatible with Source Meter and DC voltage power supply Accessories required Four point probe mounting stand for wafers up to 4" diameter	01	No				
	<b>Source Meter</b>	Source Meter Current Range: 2nA-100mA Resolution: 100fA Frequency Range: 1mHz to 100kHz WAVEFORMS: Sine, Square, Ramp, and User Defined Arbitrary Waveforms. PULSE MEASUREMENTS: Pulse widths 50µs to 12ms, 1pA to 100mA. Compatible with nanovoltmeter and DC voltage power supply						
	<b>DC voltage power supply</b>	DC voltage power supply Supply for Nanovoltmeter and source meter						
3	<b>General Utility Repair Tool Kit</b>	Unglazed inside and glazed outside. Mortar diameter 100mm Mortar and pestle material: Aagate	1	No				
4	<b>Silver Paste</b>	Standard (100 gram tube)	1	No				
5	<b>Gold wire</b>	0.99999 0.9 % pure, 1mm thickness, 20 cm length	1	No				
6	<b>Desigator</b>	Glass 1- 5 Lit	1	No				

	<b>Compact Microwave Anechoic Chamber</b>	<p>Frequency Range: 600/700MHz~20GHz</p> <p>Reflections 20dB@700MHz</p> <p>25dB@2GHz</p> <p>40dB@20GHz</p> <p>Shielding &gt;80dB</p> <p>Absorber type: Any meeting the criteria above</p> <p>Dimensions: &gt;3.5m×1.5m×1.5m (size may vary)</p> <p>RF-ports (2.4mm SMA is recommended, if not then inseries conversion adapter from given port to 2.4mm SMA should be provided )</p> <p>Adequate door size for DUT/EUT Power for internal devices/system</p> <p>Note: Bigger size, higer shielding and better absoption turnkey soultion will be preferred</p>						
7	<b>Antenna Mounting system</b>	<p>Single/Multi axis light weight control system (15~20 lbs) with support to program using known standard i.e. USB/Ethernet/GPIB size should be compatible with microwave anechoic chamber</p> <p>Basic antenna measurement system is better / commerical quality</p> <p>GBIP-USB conveter for inhouse software development</p>	1	No				
	<b>Antenna</b>	<p>Dual/Quad ridge Horn antenna</p> <p>Frequency range Compatible with Microwave anechoic chamber</p> <p>Voltage Standing wave ration &lt;2dB</p> <p>Polarization: Linear</p> <p>Gain&gt;10dBi</p> <p>With Tripod</p> <p>Trip should be compatible with Compact anechoic chamber</p> <p>pair to 5-7meter low loss cables (2.4mm SMA(F) -- 2.4 mm SMA(M))</p> <p>pair of in-series 2.4mm-3.5mm SMA (F)-SMA(M)</p>						
8	<b>Chiller</b>	<p>pipe size 0.5inches</p> <p>flow rate 14 gpm@20-50 PSG</p> <p>Temp -10C--30C</p> <p>Volume=5L.</p>						

9	<b>Vacuum sensors, microspheres coating system</b>	Pressure range 5- $1 \times 10^{-3}$ mbar.	1	No				
10	<b>Tungsten Knife, Si Wafers, Quartz windows</b>	One side polished, about 2mm thick and d=8cm.	1	No				
11	<b>UV-NIR Spectrometer</b>	UV-VISIBLE-NIR SPECTROPHOTOMETER Wavelength range: 190 to 2600 nm. Wavelength accuracy: Ultraviolet and visible region; $\pm 0.2$ nm, near infrared region; $\pm 1.0$ nm, automatic wavelength calibration function incorporated. Optical System: Double beam, Auto scan, dual detectors Power: AC 220V/50Hz, 110V/60Hz, 180W Accessories included: Manual (English): Hard and softcopy Motorized 8-cell changer 16 glass cells 4 quartz cells Includes UV/VIS software for PC use and compatible personal computer. UPS and stabilizer should be included	1	No				
12	<b>Thermocouple, vacuum paste, Si-Orings, W knife, scissors</b>	Ni-Nicr, K series, 12 rings d=4cm, 12rings d=2cm, Standard	1	No				
13	<b>Raw Materials</b>	1 Silver in solid grain form around 0.5 kg 2 Gold in same as above 0.5 Kg 3 Silicon wafers 1 pack 4 Glucose Oxidase 500K /m 5 Polymer membrane PVC 1 KG 6 Horse blood serum 1 litre 7 stem cells 2 Litres 8 Ionophore 0.5 kg 9 GaN one wafer 10 SiC one Wafer 11 Pyrrole, Aniline, NaOCl, HCl, H2SO4, NaOH, KOH,NaCl, magnetic stirres,	1	No				

		12 61520-100G-F Lanthanum Nitrate Hexa-hydrate (100g) 13 Samarium Nitrate (1 Kg) 14 Gadolinium Nitrate (1 Kg) 15. Cerium Nitrate (1 Kg) 16. Yttrium Nitrate (1 Kg) 17. Zirconium Nitrate (1 Kg) 18. Lanthanum Nitrate (500gm) 19. Gallium Nitrate (500gm) 20. Zinc Nitrate (2 Kg) 21. Nickel Carbonate (1 kg) 22. Nickel Oxide (500gm) 23 Copper carbonate (500gm) 24. Barium Nitrate (500gm) 25. Strontium nitrate (500gm) 26. cobalt oxide (500gm) 27. Iron nitrate (1 Kg) 28. Iron Oxide (500gm) 29. Titanium oxide (500gm) 30. methanol (5L) 31. Ethanol (5L) 32. Ammonia 33. Acetone (5L)					
14	<b>Computational system</b>	MultiCore, Multiprocessor xeon/opetron system Minimum 32GB ECC RAM (4/8GB modules) 1TB Raid0 drive Stabilized 2KVA/24V UPS with dry batteries	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.**

