



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

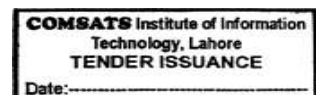
Tender No. CIIT-TN-13-17-851

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. 500/-** 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 is **90 Days which shall be considered from the date of LC Opening for the Sr. # 1 i.e. 3D Printer** whereas **40 Days from the date of issuance of Purchase / Work order shall be considered for Sr. # 2 & 3**. The handing over / completion time for this contract is of critical importance.
7. **The bid proposal must be quoted inclusive of all freight and packing charges in C&F and will be delivered at Lahore Airport against the Sr. # 1 i.e. 3D Printer.**
8. **The bid proposal must be quoted inclusive of all freight and taxes in Pak Rupees for the Sr. # 2 & 3 and delivered at COMSATS Institute of Information Technology, Lahore Campus's premises.**
9. **COMSATS Lahore shall open the LC and shall also clear the shipment from Custom Authorities against the Sr. # 1 i.e. 3D Printer.**
10. After opening of bids, COMSATS Institute of Information Technology, Lahore Campus will examine the bids for completeness as per tender document.
11. 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.
12. The bid should be submitted in a sealed envelope up to **May 10, 2017** on or before **1400hrs** and will be opened on the same date **at 1430hrs** in the presence of available bidders.

Signature & Stamp of Bidder



13. 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. The bid found to be the lowest evaluated bid shall be accepted.

14. Bidders cannot challenge the finding of the evaluation or ask for reason of disqualification.

15. 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

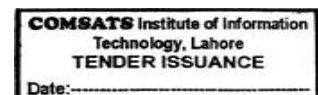
16. The envelope shall also bear the word “**CONFIDENTIAL**” and the Title of procurement of “**Lab Equipment and Printer for IRCBM Department, CIIT-Lahore**”.

17. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.

18. **If the vendor fails to deliver the goods / services to CIIT-Lahore in time then the penalty will be charged as under:-**

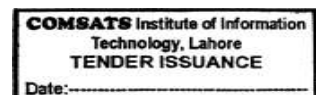
- a. 1% per day of the invoice price for 5 working days.

Signature & Stamp of Bidder



- 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.
19. 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.
20. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.
21. 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.
22. All prices should be quoted on **C&F Basis (inclusive all freight & packing charges) for the Sr. # 1 and F.O.R (Pak Rupees) inclusive of all taxes for the Sr. # 2 & 3.**
23. All prices should be valid for at least **90 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.
24. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
25. In case of any dispute, decision of the Director, CIIT will be final and binding upon the parties.
26. The CIIT reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.
27. **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 18 Months, which will be counted from the date of delivery / completion of work / supply.**
28. **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.**
29. 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.

Signature & Stamp of Bidder



- 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.

30. 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.

31. 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:

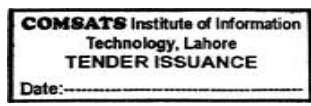
- **Company / Vendor Name:**.....
- **Postal Address:**.....
- **Tel. / Mobile:**.....**Email:**.....
- **NTN# :**.....**GST#:**.....
- **Signature:**
- **Please also attach the Certificate supporting being Active Taxpayer as per requirement of FBR.**

Technical Portion (Please mention the quoted model/ brand in technical portion with no mention of price otherwise the bid will be rejected)

BoQs of Lab Equipment and Printer for IRCBM Department, CIIT-Lahore

<p>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).</p>				<p>Quoted Model Brand with meeting the all specifications</p>	
Sr. #	Equipment Name	BoQs/Specification	Qty		
1	3D (DLP-SLA) Printer or equivalent	<p>It is to be 3D printer integrated with DLP and SLA technology based light sources in a single unit. However, two separate modules for SLA and DLP are also acceptable. The 3D printer module/modules should be arrived assembled having enclosure panels and ready to be used. The main features should be as follows:</p> <ul style="list-style-type: none"> • X - Y resolution: Variable Build 	1	No.	

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Resolution ranging from 25 – 100 microns

- Z resolution/Layer Thickness: the layer thickness of printed object should be 6 - 12 micron.
- Repeat Accuracy: <10 - 20 microns
- Build Volume: Up to 10 x 15 x 20 – 17 x 27 x 18 cm.
- Curing Mode: The 3D printer should have DLP and SLA options preferentially in single module. However Separate module for DLP and SLA are also acceptable.
- Light Source for DLP mode Minimum 1280 x 800 UV projector with variable Power ranging from 10 – 200 mW to cure customized polymers. Light source for Projector should be UV LED light unlike traditional arc lamp.
- For SLA mode UV laser with variable power ranging from 10 – 200mW should be provided. The wavelength of the light is so that it can cure all the resins under 405 nm wavelength for both SLA and DLP options.
- Actuator: The Printer must have Servo Motors for moving its parts rather than common actuator (Stepper Motor).
- VAT: Printer should have removable VAT and VAT glass protection sensor. The printer should not need more than 250ml of resin to print any object so size of the VAT should be small. Printing Material: the printer must allow printing with customized resin.
- Customization/Modification: The printer design must allow for custom modifications and additions if required due to its parts and structural assembly.
- The printer should be used for research purposes i.e. self-made resin can be tested. The software should be open to accept custom made resin for testing.

		<ul style="list-style-type: none"> • Printer Control and Operation: The printer can be controlled from both printer (touch screen interface) and PC (Ethernet and Wi-Fi). Prepared models can be print from a PC directly or export to an SD or USB drive and print from the 3D printer without the need for a PC. All included in printer price. • Accessories: Package include RF ID Card Lock Door system, enclosure panels. • A set of 3 photo curable resins 1 liter bottles for initial trails (e.g. PDMS or any other available resin). • all Necessary software suits and user manuals, • a UPS of 2 KVA, Pure sine wave, online with voltage stabilizer. <p>Warranty: 18- Months Warranty.</p>			
2	<p>High Speed High Torque Overhead Stirrer</p>	<p><u>Purpose:</u> It is to be High speed, high torque overhead stirrer with step less speed control, integrated digital display, speed controller that can set a variable range of stirring speed.</p> <p><u>Main Features:</u></p> <ul style="list-style-type: none"> • Operable for low viscosity solutions to high viscosity fluids. • automatic restoration function after power shutdown • High durability to chemicals. • Digital display and digital feedback controller with Jog shuttle switch (Turn + Push). • Stirring speed from 50 – 1000 rpm with resolution of 1 rpm. • Operation Voltage 220V. • Overload protection <p>Heat protection for motor. Warranty :18- months warranty</p>	01	No.	

3	Stirring Hot plate	<p><u>Purpose:</u> It is to be Ceramic top hot plate with magnetic stirring and can set a variable range of temperature and speed with digital display of temperature and stirring speed.</p> <p><u>Main Features:</u> It is to be operable for overnight stirring and heating. It is to have automatic restoration function after power shutdown. It is to be have a consistent and repeatable temperature Set range 0 - 550⁰C With increment of 1⁰C. Optional external temperature controller. It is to be regulate the stirring speed from 50 – 2000 rpm with resolution of 5- 10 rpm. It is to be operate on power 220V. Warranty :18- months warranty</p>	01	No.	
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Financial Portion (Price and Brand/Model to be mention only in Financial Proposal in a separate sealed envelope)

BoQs of Lab Equipment and Printer for IRCBM Department, CIIT-Lahore

Sr. #	Item Name	Specification	Qty	Rates to be quoted in C&F Lahore with all freight & packing charges at Lahore Airport		
				Quoted Model/ Brand/ Make	Unit Price (C&F Lahore Airport) with mentioning of Quoted Currency	Total Price (C&F Lahore Airport) with mentioning of Quoted Currency
1	3D (DLP-SLA) Printer or equivalent	It is to be 3D printer integrated with DLP and SLA technology based light sources in a single unit. However, two separate modules for SLA and DLP are also acceptable. The 3D printer module/modules should be arrived assembled having enclosure panels and ready to be used. The main features should	1	No.		

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		<p>be as follows:</p> <ul style="list-style-type: none"> • X - Y resolution: Variable Build Resolution ranging from 25 – 100 microns • Z resolution/Layer Thickness: the layer thickness of printed object should be 6 - 12 micron. • Repeat Accuracy: <10 - 20 microns • Build Volume: Up to 10 x 15 x 20 – 17 x 27 x 18 cm. • Curing Mode: The 3D printer should have DLP and SLA options preferentially in single module. However Separate module for DLP and SLA are also acceptable. • Light Source for DLP mode Minimum 1280 x 800 UV projector with variable Power ranging from 10 – 200 mW to cure customized polymers. Light source for Projector should be UV LED light unlike traditional arc lamp. • For SLA mode UV laser with variable power ranging from 10 – 200mW should be provided. The wavelength of the light is so that it can cure all the resins under 405 nm wavelength for both SLA and DLP options. • Actuator: The Printer must have Servo Motors for moving its parts rather than common actuator (Stepper Motor). • VAT: Printer should have removable VAT and VAT glass protection sensor. The printer should not need more than 250ml of resin to print any object so size of the VAT should be small. Printing Material: the printer must allow printing with 				
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		<p>customized resin.</p> <ul style="list-style-type: none"> • Customization/Modification: The printer design must allow for custom modifications and additions if required due to its parts and structural assembly. • The printer should be used for research purposes i.e. self-made resin can be tested. The software should be open to accept custom made resin for testing. • Printer Control and Operation: The printer can be controlled from both printer (touch screen interface) and PC (Ethernet and Wi-Fi). Prepared models can be print from a PC directly or export to an SD or USB drive and print from the 3D printer without the need for a PC. All included in printer price. • Accessories: Package include RF ID Card Lock Door system, enclosure panels. • A set of 3 photo curable resins 1 liter bottles for initial trails (e.g. PDMS or any other available resin). • all Necessary software suits and user manuals, • a UPS of 2 KVA, Pure sine wave, online with voltage stabilizer. <p>Warranty: 18- Months Warranty.</p>					
Sr. #	Item Name	Specification	Qty		Rates to be quoted inclusive of all (applicable) taxes		
					Quoted Model/ Brand/ Make	Unit Price (Rs)	Total Price (Rs)
2	High Speed High Torque Overhead Stirrer	Purpose: It is to be High speed, high torque overhead stirrer with step less speed control, integrated digital display, speed controller that can set a variable range of	01	No			

Signature & Stamp of Bidder

		<p>stirring speed.</p> <p><u>Main Features:</u></p> <ul style="list-style-type: none"> • Operable for low viscosity solutions to high viscosity fluids. • automatic restoration function after power shutdown • High durability to chemicals. • Digital display and digital feedback controller with Jog shuttle switch (Turn + Push). • Stirring speed from 50 – 1000 rpm with resolution of 1 rpm. • Operation Voltage 220V. • Overload protection <p>Heat protection for motor. Warranty :18- months warranty</p>					
3	Stirring Hot plate	<p><u>Purpose:</u> It is to be Ceramic top hot plate with magnetic stirring and can set a variable range of temperature and speed with digital display of temperature and stirring speed.</p> <p><u>Main Features:</u> It is to be operable for overnight stirring and heating. It is to have automatic restoration function after power shutdown. It is to be have a consistent and repeatable temperature Set range 0 - 550⁰C With increment of 1⁰C. Optional external temperature controller. It is to be regulate the stirring speed from 50 – 2000 rpm with resolution of 5- 10 rpm. It is to be operate on power 220V. Warranty :18- months warranty</p>	01	No			

Note:

1. Please quote the rates on our BoQs and clearly mention the quoted model / brands, otherwise your bid / items may be rejected.

Signature & Stamp of Bidder

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. **Kindly attach the Tender fee with Technical Bid and Bid money / CDR with Financial Bid.**
5. **Please submit the technical and financial bid (s) on our prescribed BoQs and clearly mention the quoted model brands, otherwise your bid (s) may be rejected and also attach the terms and conditions (signed, stamped) with both bids.**
6. **Multiple rates of an item may also lead to the rejection of bid / item.**