



COMSATS University Islamabad (CUI), Lahore Campus
Defence Road, Off Raiwind Road, Lahore

Tender No. CUI-LHR-TN-13-18-1141

Case # 2463

Single Stage One Envelop Procedure

Title of Tender: **Components for Labs of EE Department, CUI-Lahore**

TERMS AND CONDITIONS

1. *All pages of bidding documents are mandatory to be signed / stamped, meaning thereby bidder agrees to our terms & conditions mentioned herein, failing which the bid may be rejected.*
2. *Any addition, deletion or modification of any clause of the procurement terms & conditions/BoQs of CUI, Lahore Campus by any vendor will not be acceptable and may lead to rejection of the bid.*
3. *Only registered Suppliers, who are on Active Taxpayers List (ATL) of FBR, are eligible to participate in tender.*
4. The contract will be executed and handed over in satisfactory conditions up to the entire satisfaction of COMSATS University Islamabad, Lahore Campus.
5. 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 University Islamabad, Lahore Campus to the address given below. No bid will be accepted without tender documents' fee.
6. Part / Advance payments is not allowed.
7. **The exact completion/delivery time from the date of the purchase / work order will be 15 days. The handing over / completion time for this contract is of critical importance.**
8. Your bid proposal should be inclusive of freight and all other taxes and to be delivered at CUI, Lahore Campus's premises.
9. After opening of bids, CUI, Lahore Campus will examine the bids for completeness as per tender document.
10. 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.
11. The bid should be submitted in a sealed envelope up to **September 12, 2018** on or before **1400hrs** and will be opened on the same date **at 1430hrs** in the presence of available bidders.
12. The envelope should be marked as under;
Secretary, Purchase Committee
COMSATS University Islamabad, Lahore Campus
Defence Road, Off Raiwind Road, Lahore.
Tel: 042-111-001-007, Ext: 875

The envelope shall also bear the word "**CONFIDENTIAL**" and following identification quotation of **"Components for Labs of EE Department, CUI-Lahore"**.

13. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.
14. **If the vendor fails to deliver the goods / services to CUI-Lahore Campus 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.
15. 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.
16. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.
17. Payment will be made on submission of Invoice in the name of “COMSATS University Islamabad, 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.
18. All prices should be quoted on **F.O.R (Pak Rupees) inclusive of all taxes.**
19. All prices should be valid for at least **60 days.** Withdrawal or any modification of the original offer within the validity period shall entitle CUI-Lahore Campus to forfeit the earnest money in favor of the CUI-Lahore Campus and / or put a ban on such vendor participation in CUI tenders / works.
20. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
21. In case of any dispute or grievance, the matter shall be addressed as per PPRA rules.
22. The CUI-Lahore Campus reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.
23. **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 University Islamabad, Lahore Campus”.**
24. COMSATS University Islamabad, Lahore Campus reserves the rights to 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. The offer is from a firm, which is black listed by any Govt. Office.
 - vii. The offer is received by telephone/telex/fax/telegram.
 - viii. Any unsigned / ambiguous erasing, cutting / overwriting etc. is made.
25. 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.

26. 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 Components for Labs of EE Department, CUI-Lahore

No change in the BoQs (Specs & Qty.) of CUI-Lahore Campus, as detailed below, is allowed. Any additional information may be mentioned in the blank columns (i.e. model / brand or Price). Any modification in CUI-Lahore Campus BoQ may lead to rejection of bid (fully or partially).					Rates to be quoted inclusive of all (applicable) taxes		
Sr. #	Item Name	Specifications	Qty		Quoted Model / Brand / Make	Unit Price (Rs.)	Total Price (Rs.)
Circuit Analysis Lab							
1	Resistor	1KΩ - 1/4W	5000	Nos.			
2	Resistor	2.2KΩ - 1/4W	5000	Nos.			
3	Resistor	3.3KΩ - 1/4W	5000	Nos.			
4	Resistor	4.7KΩ - 1/4W	5000	Nos.			
5	Resistor	5.6KΩ - 1/4W	3000	Nos.			
6	Resistor	6.8KΩ - 1/4W	3000	Nos.			
7	Resistor	8.2KΩ - 1/4W	3000	Nos.			
8	Resistor	10KΩ - 1/4W	5000	Nos.			
9	Inductor	1mH - ceramic	100	Nos.			
10	Inductor	2mH - ceramic	100	Nos.			

11	Inductor	5mH - ceramic	100	Nos.			
12	Inductor	10mH - ceramic	100	Nos.			
13	Inductor	50mH - ceramic	100	Nos.			
14	Capacitor	Electrolytic - 1UF - 16V	100	Nos.			
15	Capacitor	Electrolytic - 2.2UF - 16V	100	Nos.			
16	Capacitor	Electrolytic - 10UF - 16V	200	Nos.			
17	Jumping wire	-	6	Kg			
18	Batteries	9V	50	Nos.			
19	voltage regulator	7805 or equivalent	10	Nos.			
20	voltage regulator	7905 or equivalent	20	Nos.			
21	voltage regulator	7812 or equivalent	10	Nos.			
22	voltage regulator	7912 or equivalent	20	Nos.			
23	voltage regulator	LM337 or equivalent	20	Nos.			
24	voltage regulator	LM317 or equivalent	20	Nos.			
25	Operational Amplifier	TL071CP or equivalent	30	Nos.			
26	Round Header pins	-	20	Nos.			
Sub Total Amount (Rs.) Sr. # 1-26							
Electric Machine Lab							
27	Positive Voltage Regulator	7812 or equivalent	10	Nos.			
28	Negative Voltage Regulator	7912 or equivalent	10	Nos.			
29	Capacitor	450V - 470 μ F - Polar	5	Nos.			
30	Push Buttons	-	30	Nos.			
31	Fuse	2A	200	Nos.			

32	Battery	9V	10	Nos.			
33	Cell	1.5V	50	Nos.			
Sub Total Amount (Rs.) Sr. # 27-33							
Electronics Lab							
34	Resistor	1/4W - 100Ω	1000	Nos.			
35	Resistor	1/4W - 1KΩ	2500	Nos.			
36	Resistor	1/4W - 1.2KΩ	1000	Nos.			
37	Resistor	1/4W - 1.5KΩ	1000	Nos.			
38	Resistor	1/4W - 1.8KΩ	1000	Nos.			
39	Resistor	1/4W - 2.2KΩ	2500	Nos.			
40	Resistor	1/4W - 2.7KΩ	1000	Nos.			
41	Resistor	1/4W - 3.3KΩ	2500	Nos.			
42	Resistor	1/4W - 4.7KΩ	2500	Nos.			
43	Resistor	1/4W - 6.8KΩ	1000	Nos.			
44	Resistor	1/4W - 10KΩ	2500	Nos.			
45	Resistor	1/4W - 33KΩ	1000	Nos.			
46	Resistor	1/4W - 39KΩ	1000	Nos.			
47	Resistor	1/4W - 47KΩ	1000	Nos.			
48	Resistor	1/4W - 100KΩ	1000	Nos.			
49	Resistor	1/4W - 220KΩ	1000	Nos.			
50	Resistor	1/4W - 270KΩ	1000	Nos.			
51	Resistor	1/4W - 390KΩ	500	Nos.			
52	Resistor	1/4W - 470KΩ	1000	Nos.			

53	Resistor	1/4W - 1M Ω	1500	Nos.			
54	Resistor	1/4W - 2.2M Ω	500	Nos.			
55	Resistor	1/4W - 82 Ω	500	Nos.			
56	Resistor	1/4W - 100 Ω	1000	Nos.			
57	Resistor	1/4W - 180 Ω	1000	Nos.			
58	Resistor	1/4W - 220 Ω	500	Nos.			
59	Resistor	1/4W - 330 Ω	500	Nos.			
60	Resistor	1/4W - 390 Ω	500	Nos.			
61	Resistor	1/4W - 560 Ω	500	Nos.			
62	Resistor	1/4W - 680 Ω	1000	Nos.			
63	Resistor	1/4W - 820 Ω	1000	Nos.			
64	Resistor	500 Ω Variable	100	Nos.			
65	Resistor	1K Ω Variable	100	Nos.			
66	Resistor	2K Ω Variable	100	Nos.			
67	Resistor	3K Ω Variable	100	Nos.			
68	Resistor	5K Ω Variable	100	Nos.			
69	Resistor	10K Ω Variable	100	Nos.			
70	Resistor	100K Ω Variable	100	Nos.			
71	Resistor	150K Ω Variable	100	Nos.			
72	Resistor	1M Ω Variable	100	Nos.			
73	Capacitor	Disc - 1nF	250	Nos.			
74	Capacitor	Disc - 10nF	250	Nos.			
75	Capacitor	Disc - 100nF	250	Nos.			

76	Capacitor	Electrolytic - 10uF	300	Nos.			
77	Capacitor	Electrolytic - 22uF	200	Nos.			
78	Capacitor	Electrolytic - 1uF	200	Nos.			
79	Capacitor	Electrolytic - 100uF	200	Nos.			
80	Diode	Zener Diodes 10V	100	Nos.			
81	Diode	Diodes IN4007 or equivalent	300	Nos.			
82	Transistor	JFET J309 or equivalent	250	Nos.			
83	Transistor	NPN - Tip29 or equivalent	150	Nos.			
84	Transistor	NPN - Tip31 or equivalent	150	Nos.			
85	Transistor	PNP - Tip30 or equivalent	150	Nos.			
86	Transistor	NPN - Tip122 or equivalent	150	Nos.			
87	Transistor	NPN - 2N3904 or equivalent	300	Nos.			
88	Cell	1.5V	50	Nos.			
89	Battery	9V	40	Nos.			
90	Jumper wire	-	8kg	Kg			
91	Soldering Wire Role	-	1	No.			
92	Operational Amplifier	LM741 or equivalent	200	Nos.			
93	Timer	NE555 or equivalent	200	Nos.			
Sub Total Amount (Rs.) Sr. # 34-93							
Data Communication and Internetworking Lab							
94	Connector	RJ 45	100	Nos.			
95	Cable Tie	6" (One packet containing 100 Pcs)	02	Packet			

Sub Total Amount (Rs.) Sr. # 94-95							
Communication Lab							
96	Inductor	22 uH	100	Nos.			
97	Diode	Zener or equivalent	100	Nos.			
98	Jumper Wire	Male to Male	12	Strips			
99	Sample and Hold Circuit	LF 398 or equivalent	25	Nos.			
100	Operational Amplifier	741 or equivalent	100	Nos.			
101	IC	81CP or equivalent	10	Nos.			
102	AND Gate	7408 or equivalent	10	Nos.			
103	Oscillator	LM566 or equivalent	10	Nos.			
104	IC	M2756B or equivalent	10	Nos.			
105	SMD	4017 or equivalent	10	Nos.			
106	Transistor	BC107 or equivalent	100	Nos.			
107	Transistor	2N2222 or equivalent	100	Nos.			
108	Transistor	BC547 or equivalent	100	Nos.			
109	Capacitor	0.03 uf	100	Nos.			
110	Cable Tie	3"	02	Pack			
111	Diode	1N4148 or equivalent	100	Nos.			
112	Diode	1N4004 or equivalent	100	Nos.			
113	Inductor	0.1 uH	100	Nos.			
Sub Total Amount (Rs.) Sr. # 96-113							
Digital Logic Design Lab							
114	NAND Gate	7400 or equivalent	50	Nos.			

115	NOR Gate	7402 or equivalent	50	Nos.			
116	NOT Gate	7404 or equivalent	50	Nos.			
117	AND Gate	7408 or equivalent	50	Nos.			
118	OR Gate	7432 or equivalent	50	Nos.			
119	Decoder IC 7447 or equivalent	BCD to 7 seg or equivalent	30	Nos.			
120	JK Flip Flop or equivalent	7476 or equivalent	50	Nos.			
121	Full Adder IC 7483 or equivalent	4 Bit Binary	30	Nos.			
122	Magnitude Comparator	7485 (4-Bit) Comparator or equivalent	30	Nos.			
123	XOR Gate	7486 or equivalent	50	Nos.			
124	Access Shift Register	7495 (4 Bit Parallel) or equivalent	30	Nos.			
125	Decoder	74139 (Dual 2 to 4line) or equivalent	30	Nos.			
126	Priority Encoder	74147 (10 to 4line) or equivalent	30	Nos.			
127	Priority Encoder	74148 (8-LINE TO) 3-LINE or equivalent	30	Nos.			
128	Multiplexer	IC: 74153 (1 of 4 Dual) or equivalent	30	Nos.			
129	Quadruple	74157 - 1 of 2 Data selector or equivalent	30	Nos.			
Sub Total Amount (Rs.) Sr. # 114-129							
Power Electronics / Industrial Electronics Lab							
130	Transistor	NPN - BC337 or equivalent	10	Nos.			
131	Transistor	PNP - BC327 or equivalent	10	Nos.			
132	Power Transistor	NPN - TIP41 or equivalent	10	Nos.			
133	Soldering Wire	60/40 0.8mm 100G Tin Lead Rosin Core Solder Flux or equivalent	1	Nos.			

134	Cable Tie	12"	3	Nos.			
135	Cable Tie	6"	2	Nos.			
136	Battery	9V Heavy Duty For DMM	50	Nos.			
137	Jumper Wire	Male to Male Connector	10	Nos.			
138	Diode	1N4148 or equivalent	25	Nos.			
139	Diode	1N4007 or equivalent	25	Nos.			
140	Diode	Zener - 6V2 or equivalent	25	Nos.			
141	Diode	Germanium - AA113 or equivalent	25	Nos.			
142	Transistor	UJT - 2N2646 or equivalent	20	Nos.			
143	Transistor	PUT - 2N6027 or equivalent	20	Nos.			
144	SCR	TIC47 or equivalent	20	Nos.			
145	TRIAC	Z0405MF or equivalent	20	Nos.			
146	DIAC	D3202 or equivalent	20	Nos.			
147	Schmitt-Trigger	40106 or equivalent	15	Nos.			
148	Transistor	MOSFET - IRF9532 or equivalent	20	Nos.			
149	Transistor	MOSFET - IRF830 or equivalent	20	Nos.			
150	Transistor	MOSFET - IRF540N or equivalent	PKR	20			
151	Thyristor	TIC106 or equivalent	PKR	20			
152	Operational Amplifier	TL084 or equivalent	PKR	15			
153	Transistor	NPN - BC337 or equivalent	PKR	20			
154	Potentiometer	10K - As per Sample	PKR	20			
155	Potentiometer	100K - As per Sample	PKR	20			
156	Resistor	1K - 1W	PKR	50			

157	Tape	For Electrical Insulation	PKR	3			
158	Capacitor	1uf	PKR	50			
159	Capacitor	100nf	PKR	50			
160	Resistor	10K - 0.5W	PKR	50			
161	Inductor	1Mh	PKR	10			
162	Inductor	2mH	PKR	10			
163	Resistor	82Ω	PKR	100			
164	Resistor	680Ω	PKR	100			
165	Resistor	22Ω	PKR	100			
166	Resistor	2.2Ω	PKR	100			
167	Opto-coupler Or equivalent	4N25 Or equivalent	PKR	100			
Sub Total Amount (Rs.) Sr. # 130-167							

Special Terms and conditions;

1. Please quote the rates on our BoQs and clearly mention the quoted model / brands, otherwise your bid / items may be rejected.
2. Vendors are strongly advised to visit CUI-Lahore Campus and inspect sample of all items from Electrical Engineering Department of CUI-Lahore before quoting any item / brand / model to avoid quality, specification and compatibility issues which may lead to rejection of bid.
3. Purchase / work order (s) will be awarded on **Sub Total Basis (Each Lab wise)** as mentioned in BoQs.
4. **Multiple rates of an item may also lead to the rejection of bid / item.**