



COMSATS University Islamabad (CUI), Lahore Campus

Defence Road, Off Raiwind Road, Lahore

Tender No. CUI-LHR-TN-13-20-1368

Case # 3053

Single Stage One Envelop Procedure

Title of Tender: **Chemicals for Establishment of Centre for Advanced Technologies in Biomedical Materials (Knowledge Economy Initiative)**

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. 1000/-** as a tender document 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 90 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 **May 14, 2020** on or before **1100hrs** and will be opened on the same date **at 1130hrs** 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 **“Chemicals for Establishment of Centre for Advanced Technologies in Biomedical Materials (Knowledge Economy Initiative)”**.

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 COMSATS University Islamabad (CUI), Lahore Campus within the given deadline, any of the following can be opted by CUI Lahore campus on the recommendation of the end user and approval of the authority;**
 - a. An extension in the delivery period may be granted in case a valid reason/justification with necessary documentary evidence is provided by the vendor supporting the reason for delay.
 - b. A penalty upto 10% of the invoice value may be charged.
 - c. Purchase order may be cancelled along with confiscation of earnest money if the vendor fails to deliver the goods / services after the initial or extended delivery time, as the case may be.
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 **120 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 Chemicals for Establishment of Centre for Advanced Technologies in Biomedical Materials (Knowledge Economy Initiative)

Vendors are required to provide both unit and total price of each item and calculations must be made carefully to avoid mistakes. However, in case, total price does not match with the unit price and quantity due to calculation error or typo error, any of the following can be opted:

1. The bid may be rejected on the reason of ambiguity (OR)
2. Unit price will be considered as final and total price of the respective item will be calculated by multiplying it with the quantity required. Sub-totals and grand total will also be corrected accordingly

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).

Prices to be quoted inclusive of all applicable taxes

Sr.#	Item Name	Specifications	Qty	Quoted Model / Brand /Make	Unit Price (Rs.)	Total Price (Rs.)
1.	(3-Glycidyloxypropyl) trimethoxysilane	2530-83-8 or equivalent	200 mL			
2.	1,4-Butanediol diglycidyl ether	2425-79-8 or equivalent	200 G			
3.	2-Acetamido-2-deoxy-D-glucopyranose	7512-17-6 or equivalent	200 G			
4.	2-Hydroxy-1-(4-(2-hydroxyethoxy)phenyl)-2-methylpropan-1-one	106797-53-9 or equivalent	10 G			

5.	2-hydroxyethyl acrylate	818-61-1 or equivalent	1 L			
6.	2-isocyanatoethyl methacrylate (IEMA) or equivalent	30674-80-7 or equivalent	25 mL			
7.	3-[(3-Cholamidopropyl)dimethylammonio]-1-propanesulfonate hydrate	331717-45-4 or equivalent	5 G			
8.	6-aminohexanoic acid	60-32-2 or equivalent	500 G			
9.	Acetic anhydride	108-24-7 or equivalent	500 ML			
10.	Acetone	67-64-1 or equivalent	2 L			
11.	Agar Agar	9002-18-0 or equivalent	250 G			
12.	Agarose for Gel Electrophoresis	9012-36-6 or equivalent	1000 G			
13.	Alcian Blue	33864-99-2 or equivalent	10 G			
14.	Alexa flour dyes	488 (green) or equivalent	0.5 mL			
		555 (Orange) or equivalent	0.5 mL			
		647 (Near-IR) or equivalent	0.5 mL			
15.	Alkaline Phosphatase Staining kit	ab242286 or equivalent	2			
16.	Allantoin 5-Ureidohydantoin	79-59-6 or equivalent	50 G			
17.	Ammonium tetrathiomolybdate	15060-55-6 or equivalent	10 G			

18.	Anti MYCN	AV32030 or equivalent	100 uL			
19.	Arginine	74-79-3 or equivalent	1000 G			
20.	BioClean	SB-0602-380 or equivalent	10 L			
21.	Calcein AM	148504-34-1 or equivalent	10 MG			
22.	Cell Culture Media (Alpha MEM) or equivalent	51448C or equivalent	10 L			
23.	Cell Culture Media (DMEM)-Liquid	10043-52-4 or equivalent	40 L			
24.	Cell Culture Media (DMEM)-Powder	12100046 or equivalent	40 L			
25.	Cell Culture Media (RPMI1640) or equivalent	11875135 or equivalent	20 L			
26.	Cellulose acetate, ~30,000	9004-35-7 or equivalent	1 Kg			
27.	chloramine T	149358-73-6 or equivalent	1 Kg			
28.	Clove oil	8000-34-8 or equivalent	100 mL			
29.	Collagenase I	9001-12-1 or equivalent	1 mL			
30.	Collagenase II	9001-12-1 or equivalent	1 mL			
31.	Corning® Matrigel® Growth Factor Reduced (GFR) Basement Membrane Matrix, LDEV-free or equivalent	354230 or equivalent	10 mL			

32.	DABA	535-87-5 or equivalent	500 MG			
33.	DAPI	28718-90-3 or equivalent	10 MG			
34.	Deoxyribonucleic acid sodium salt from herring testes	438545-06-3 or equivalent	2 G			
35.	Dextran	9004-54-0 or equivalent	500 MG			
36.	D-Glucosamine hydrochloride	66-84-2 or equivalent	200 G			
37.	diethylenetriamine	111-40-0 or equivalent	2 L			
38.	DMMB dye	931418-92-7 or equivalent	1 G			
39.	DMSO	67-68-5 or equivalent	2 L			
40.	DNase	9003-98-9 or equivalent	1000 U			
41.	dNTPs Mix Solution	R0191 or equivalent	1 kit			
42.	Dopamine hydrochloride	62-31-7 or equivalent	25 G			
43.	doxorubicin	25316-40-9 or equivalent	10 MG			
44.	Doxycyclin	24390-14-5 or equivalent	500 MG			
45.	Epichlorohydrin	106-89-8 or equivalent	1000 mL			
46.	Poly-L-lysine solution	25988-63-0 or equivalent	50 mL			

47.	Ethylene diamine tetra acetic acid 99.4-100.6%, powder	60-00-4 or equivalent	500 G			
48.	Eugenol	97-53-0 or equivalent	100 G			
49.	Fast Green dye	2353-45-9 or equivalent	25 MG			
50.	Fetal Bovine Serum	9014-81-7 or equivalent	2.5 L			
51.	Fibronectin	86088-83-7 or equivalent	1 MG			
52.	Flexible conductive silver paste for screen printing	901769 or equivalent	100 G			
53.	Formalin	A5472 or equivalent	4 L			
54.	Fura-2 acetoxymethyl ester	108964-32-5 or equivalent	2 MG			
55.	Genomic DNA extraction Kit	A1120 or equivalent	100 reactions kit			
56.	Gentamycin (G418) or equivalent	108321-42-2 or equivalent	20 mL			
57.	Glutaraldehyde (25%)	111-30-8 or equivalent	200 mL			
58.	Glutaric acid monoethyl ester chloride	5205-39-0 or equivalent	50 mL			
59.	Glyoxal solution in water	107-22-2 or equivalent	500 mL			
60.	Graphene oxide paste	900704 or equivalent	25 G			
61.	Graphitic/carbon paste	901969 or equivalent	500 G			

62.	Human Fibroblasts	ATCC® PCS-201-012™ or equivalent	1			
63.	Human Osteoblasts	hFOB 1.19 (ATCC® CRL-11372™) or equivalent	1			
64.	Human VEGF Quantikine ELISA Kit or equivalent	DVE00 or equivalent	1 kit			
65.	Hygromycin B	31282-04-9 or equivalent	50 MG			
66.	Hyaluronic Acid	9004-61-9 or equivalent	10 MG			
67.	Incidin Liquid surface disinfectant	2031102 or equivalent	5 L			
68.	Isopropyl	67-63-0 or equivalent	10 L			
69.	L-Glycine	181227-47-4 or equivalent	500 MG			
70.	Ligase	9015-85-4 or equivalent	1 mL			
71.	L-lysine	56-87-1 or equivalent	200 G			
72.	Luria Broth Base	12795027 or equivalent	500 G			
73.	Methacryloyl chloride	920-46-7 or equivalent	50 G			
74.	Methanol	67-56-1 or equivalent	2 L			
75.	Methyl 4-chloro-4-oxobutyrate	1490-25-1 or equivalent	25 G			
76.	MTT reagent A or equivalent	298-93-1 or equivalent	100 G			

77.	OCT Freezing Medium,	4583 or equivalent	500 mL			
78.	Oligonucleotide Primers	(each 20-28 mer) or equivalent	200			
79.	Opti-MEM Reduced-Serum Medium	31985062 or equivalent	500 mL			
80.	Palladium(0) bis(dibenzylideneacetone), Pd(dba) ₂	32005-36-0 or equivalent	5 G			
81.	PBS Tablets (7.4 pH, each for 100 mL solution)	P4417 or equivalent	500 tablets			
82.	Penicillin/Streptomycin	P4333 or equivalent	200 mL			
83.	PicoGreen™ dsDNA Assay Kit or equivalent	P11496 or equivalent	1000 uL			
84.	Platinum paste, screen printable	791512 or equivalent	20 G			
85.	Poly(methyl methacrylate), ~120,000	9011-14-7 or equivalent	1Kg			
86.	Polyberene (cell culture grade)	28728-55-4 or equivalent	2 mL			
87.	Polyethersulfone , Flakes, ~50,000 or 75,000	25608-63-3 or equivalent	1Kg			
88.	Polysulfone, ~22,000 by MO, beads	25135-51-7 or equivalent	1Kg			
89.	Polyvinyl alcohol (high mol. Wt.) Mw -89000-98000	9002-89-5 or equivalent	500 G			
90.	Polyvinyl alcohol (med mol. Wt.) Mw -30000-70000	9002-89-5 or equivalent	1 Kg			
91.	Polyvinyl alcohol (low mol. Wt.) Mw -89000-98000	9002-89-5 or equivalent	1 Kg			

92.	Propidium Iodide	25535-16-4 or equivalent	100 MG			
93.	Proteinase K	39450-01-6 or equivalent	100 MG			
94.	puromycin	58-58-2 or equivalent	25 MG			
95.	Rat tail collagen type I	9007-34-5 or equivalent	50 G			
96.	Recombinant Human VEGF 165 or equivalent	293-VE-010 or equivalent	10ug/ one vial			
97.	Red Safe-Nucleic Acid staining dye	21141 or equivalent	5 mL			
98.	Resazurin Sodium Salt	62758-13-8 or equivalent	5 G			
99.	Restriction enzymes	NEB (BamH1, Xho1, Not1, EcoR1, Sma1, HindIII, EcoRII, EcoRV, KPn1, PstI, Sac1, Sal1, Sph1, pvuII, XbaI, SpeI, StuI, HinF1, Taq1 and aluI) (one each with at least 300 units each)	20			
100.	Reverse transcriptase	9068-38-6 or equivalent	1000 units			
101.	Rhodamine Falloiden	R415 or equivalent	1			
102.	RNA ZAP	AM9780 or equivalent	1500 mL			

103.	Rnase	9001-99-4 or equivalent	10 MG			
104.	Safranine O	477-73-6 or equivalent	25 G			
105.	shRNA <i>MYCN</i>	TRCN0000020 694 or equivalent	1			
		TRCN0000020 697 or equivalent	1			
		TRCN0000020 698 or equivalent	1			
106.	Sodium periodate	7790-28-5 or equivalent	200 G			
107.	Sodium tripolyphosphate	7758-29-4 or equivalent	1000 G			
108.	succinic anhydride	108-30-5 or equivalent	250 G			
109.	SYBR-Green	163795-75-3 or equivalent	250 reactions			
110.	Taq Polymerase (High Fidelity)	9012-90-2 or equivalent	250 units			
111.	Thrombin	4/4/9002 or equivalent	100 Units			
112.	Top10 E.coli or equivalent	C404003 or equivalent	100 units			
113.	Trans IT Transfection Reagent	MIR2300 or equivalent	1 mL			
114.	Trans Retinoic Acid	302-79-4 or equivalent	100 MG			
115.	Triethylene glycol Dimethacrylate	109-16-0 or equivalent	500 mL			
116.	Tri-methylolpropane triacrylate	15625-89-5 or equivalent	500 G			
117.	Triphenylphosphine PPh ₃	603-35-0 or equivalent	250 G			
118.	Trizol TriReagent for RNA Extraction	9048-46-8 or equivalent	400 mL			

119.	Trypsin-EDTA	T4049 or equivalent	2 L			
120.	Valproic acid sodium salt	1069-66-5 or equivalent	10 G			
121.	vectashield Mounting media	H-1000-NB or equivalent	20 mL			
122.	β -Glycerophosphate, Disodium Salt, Pentahydrate	13408-09-8 or equivalent	200 G			
123.	lavender oil		1 Litre			

Bid Evaluation Criteria

All bids shall be evaluated in accordance with the following evaluation criteria and other terms & conditions set forth in this bidding document.

- The bids shall be evaluated to strictly ensure that the quoted brand/ model meet all the BoQ/ specification requirements given in the tender document for each item.
- In addition to the BoQ requirements, vendors must meet the vendor qualification criteria /company profile requirements (if any), as set forth in this tender document.
- 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 supported literature may lead to rejection of bid.
- The vendor must have an authorized dealer certificate of the quoted Product/Item (Certificate with current year's validity) from Original Manufacturer/Principal/International Distributor for all Chemical which shall also be verifiable from the Principal / Manufacture Website or through email. In case if the local vendor provides the authorized dealer certificate from the International Distributor/Third Party so he is liable to provide the authorization letter issued to the International Distributor by the Original Manufacturer/Principal. All required documents must be attached with a bid otherwise such item/bid may be rejected.

Special Terms and conditions;

- i. Please submit bid (rates) on our prescribed BoQs Form and clearly mention the quoted model / brands, with complete terms and conditions signed, stamped with bids, otherwise your bid (s) may be rejected.
- ii. Purchase / work order (s) will be awarded on **Item Wise Basis** as mentioned in BoQs.
- iii. Lowest vendors are required to provide the Import Documents at the time of delivery alongwith delivery challan for Imported items only.
- iv. **Multiple rates of an item may also lead to the rejection of bid / item.**