



## **TENDER DOCUMENTS**

### **Bio Lab Chemical & Glassware**

**NUTECH/SCM/Bio Lab Chemical & Glassware-2019/TD-097**

**NATIONAL UNIVERSITY OF TECHNOLOGY**

## **TENDER NOTICE**

**National University of Technology (NUTECH)**

**NUTECH/SCM/Bio Lab Chemical & Glassware -2019/TD-097**

Sealed bids are invited from Government / FBR Registered Firms for the procurement of Chemicals and glassware for NUTECH Labs.

1. Tender documents containing terms & conditions and detailed specifications of items can be downloaded from NUTECH website "<https://nutech.edu.pk/d-p.php>" w.e f **27 August 2019**.
2. Quotations shall be submitted as per requirement of the tender documents.
3. Bidders will be required to submit bank draft/PO equal to 5% of quoted value as Bid Bond in favor of National University of Technology (NUTECH).
4. Sealed bids with detailed specification should reach on the following address latest by **1430 hours on 16 Sep 2019**. Late submission will not be entertained.
5. Bids will be opened at **1500 hours on 16 Sep 2019 at SCM Office**.
6. Project is to be completed in **15 days** from the date of award of contract.
7. Submit Rs 1500/- as Tender fee in favour of NUTECH HBL account: **NUTECH Tendering and contracts, 5037- 7000210755**. Please attach bank receipt with technical offer. Offers will not be entertained without payment of processing fee.

**Deputy Director (Supply Chain Management Office)**  
**NATIONAL UNIVERSITY OF TECHNOLOGY (NUTECH) UPROAD,SECI-12,**  
**ISLAMABAD**  
**Tel: 0092-51-5476768, Ext: 178**



## NATIONAL UNIVERSITY OF TECHNOLOGY

### SUPPLY CHAIN MANAGEMENT OFFICE

#### INVITATION TO TENDER

**Submission Date/Time 16 Sep 2019** at 1430 hours

1. NUTECH desires to procure the list of item(s)/Store(s) as per **Annexure-A**. Interested bidders are requested to send their bids through courier or deliver at NUTECH under two separate sealed envelopes (placed together in third envelope), marked clearly, "**Technical Offer**" and "**Commercial Offer**", respectively to the undersigned, latest by or before above mentioned due date. If due to any unforeseen circumstances, NUTECH establishment remains closed, then the last date of submission will be extended to next working day.
  
2. Please also note that Technical Offer should contain only Annexes-A & B duly filled in (supported with relevant technical literature /details/ catalogues etc) and receipt of tender processing fee. Commercial Offer will contain Annexure-C and bid bond (Dully mentioned and placed in separate envelope). Please ensure no space is left blank in the annexes.
  
3. Following must be noted for this IT (Invitation to Tender):-
  - a. 4 x copies of technical offer are to be provided.
  - b. Annexes A, B and C must be signed and stamped. Attach only relevant documents.
  - c. Please complete all document as per given format. Do not use your format or letter head. Offer may be rejected if given format is not followed.
  - d. Validity of offer will be 90 days.
  - e. Delivery period will be 15 days from the date of award of contract.
  - f. The firm should provide point to point acceptance of each clause of IT and special instructions attached with IT.
  - g. Firm will render a certificate with technical offer that firm is neither defaulter nor blacklisted by any Government / semi Government organization directly or indirectly.
  - h. Commercial Offer must be accompanied with a Bid Bond in agreement of faithful compliance of the conditions of Contract/Purchase Order. This amount will be equivalent to

5% of the total quoted value. In case of non-acceptance of any offer, the Bid Bond will be returned to the bidder by fastest possible means. The Bid Bond amount submitted by the successful bidder will however be refunded on effective termination of Contract/ Purchase Order. (The Bid Bond will be forfeited in case of default by the bidder from his commitments made through his offer). Submission of Bid Bond is mandatory; otherwise your offer will be rejected.

- i. Rates should be quoted on Free Delivery basis at NUTECH Islamabad.
- j. Bid Bond may be used as performance guarantee till the delivery of stores, otherwise separate performance guarantee valued at 5 % of contract will be submitted by successful firm till stores are delivered and inspected
- k. The stipulated delivery period should be strictly adhered to. Any anticipated delay that is beyond the control of Seller will be informed (in writing) well in advance of the expiry of the due date of the activity along with reasons thereof, requesting for the grant of extension in delivery period. If the Seller fails to do so, or the Buyer is not convinced with the rationale provided by the Seller, Liquidated Damages up to/at 2% per month or part thereof, will be imposed. However, the maximum limit of the Liquidated Damages will not exceed 10% of the contract value, in any way.
- l. If even after applicability of 10% LD, the Seller fails to deliver the required stores, the Buyer will be at liberty to procure the stores from an alternate source, on the Seller's "Risk & Cost". In that case, the Seller will be bound to make payment to the new source through NUTECH
- m. NUTECH reserves the right to cancel the Contract without assigning any reason whatsoever during its currency / execution / after placement, if the firm is found to be involved in any dubious activity, litigation, lacking to meet contractual obligations with the purchaser or is blacklisted with any other Public procurement agency. No claims / loss / damage of whatsoever nature shall be entertained and NUTECH's decision in this regard will be final and binding on the Supplier / Seller.
- n. Bidders must provide authorization certificate form OEM which will be verified
- o. An appropriate amount may be paid for mobilization against Bank Guarantee/CDR/Demand Draft/Pay Order
- p. Partial payment/partial delivery allowed

4. We reserve the rights to accept or reject any or all tenders as a whole or in part without

assigning any reason whatsoever. The decision in this regard will be firm, final and binding on all bidders.

DD (Supply Chain Management)



**NATIONAL UNIVERSITY OF TECHNOLOGY**

**SUPPLY CHAIN MANAGEMENT OFFICE**

**TECHNICAL OFFER**

**Annex A**

User Reference No **NUTECH/SCM/Bio Lab Chemical & Glassware-2019/TD-097**

Date: **22-08-2019**

**Technical Specification**

Ser	Items	Description	A/U	Country of Origin	Qty Req	Bidder Compliance			Tech Scrutiny to be done by user	
						Yes	No	Alternate	Accepted	Rejected
									Reason of Rejection	
1.	Taq Polymerase	500 Units	Vials	<b>Local, All</b>	10 Vials					
2.	DNTP's Mixture	Mixture of 4 DNTPs	Vials	<b>Local, All</b>	10 Vials					
3.	CTAB Extraction Buffer	Molecular Grade	Kg	<b>Local, All</b>	1 kg					
4.	TriZol	Molecular Grade	ml	<b>Local, All</b>	100ml x 8					
5.	CDNA synthesis Kit	250 Preps	Kits	<b>Local, All</b>	1 Kit					
6.	Tris-EDTA buffer solution	Molecular Grade	ml	<b>Local, All</b>	100ml					
7.	Tris (hydroxymethyl) aminomethane	Analytical Grade Master Mixes with 2x concentrated, and Mgcl <sub>2</sub> , and DNA Polymerase	Kg	<b>Local, All</b>	1kg					
8.	SYBR Green	Master Mixes with 2x concentrated, and Mgcl <sub>2</sub> , and DNA Polymerase	Kits	<b>Local, All</b>	10 Vials					

9.	Tris HCl	Analytical Grade	Kg	Local, All	1kg				
10.	MTT Formazan	Molecular Grade	mg	Local, All	1000mg				
11.	MTT (Thiazolyl Blue Tetrazolium Blue )	Molecular Grade	mg	Local, All	1000mg				
12.	Saline solution (0.9%)	Analytical Grade	Litres	Local, All	3 L				
13.	Benedict's Reagent	Analytical Grade	litres	Local, All	2L				
14.	Sucrose	Analytical Grade	Grams	Local, All	500 g				
15.	Fructose	Analytical Grade	Grams	Local, All	500 g				
16.	$\alpha$ - Naphthol	Analytical Grade	Grams	Local, All	500g				
17.	Maltose	Analytical Grade	Grams	Local, All	500g				
18.	Glucose	Analytical Grade	Kg	Local, All	1kg				
19.	Barfoed's reagent	Analytical Grade	Litres	Local, All	2L				
20.	Giemsa stain	Analytical Grade	Litres	Local, All	1L				
21.	Agarose	Molecular grade	Kg	Local, All	1 Kg				
22.	PVU I	Concentration: 10000 U,10 U/ $\mu$ L Source:Bacillus amyloliquefaciensH Supplied with: 4x1 mL of 10X Buffer 1 mL of 10X Buffer	Vial	Local, All	1				

23.	EcoRV	Concentration: 4000U, 10 U/ $\mu$ L Source:Escherichia coliRFL32 Supplied with: 1 mL of 10X Buffer R 1 mL of 10X Buffer	Vial	<b>Local, All</b>	1				
24.	NotI	Concentration: 1500U, 10 U/ $\mu$ L, Supplied with: 1 mL of 10X Buffer O 1 mL of 10X Buffer	Vial	<b>Local, All</b>	1				
25.	SapI	Concentration: 500U, 5 U/ $\mu$ L, Source: <i>Lysobacter gummosus</i> RFL1 Supplied with: 1 mL of 10X Buffer	Vial	<b>Local, All</b>	1				
26.	PvuII	Concentration: 5000U 10 U/ $\mu$ L, Source:Proteus vulgaris Supplied with: 2x1 mL of 10X Buffer G 1 mL of 10X Buffer	Vial	<b>Local, All</b>	1				
27.	XbaI	Concentration: 3000U, 10 U/ $\mu$ L 28.Source:Xanthomonas badrii Supplied with: 2x1 mL of 10X Buffer	Vial	<b>Local, All</b>	1				
28.	XhoI	Concentration: 5000U, 10 u/ $\mu$ L. Supplied with:2 x1 mL of 10X Buffer R 1 mL of 10X Buffer	Vial	<b>Local, All</b>	1				
29.	ECOR I	Concentration: 5000U, 10 U/ $\mu$ L Source:E.colithat carries the clonedecoRIR gene from Escherichia coliRY13 Supplied with: 2x1 mL of 10X Buffer O 1 mL of 10x Buffer	Vial	<b>Local, All</b>	1				
30.	Hind III	oncentration: 5000U, 10 U/ $\mu$ L Source:Haemophilus influenzaeRd	Vial	<b>Local, All</b>	1				



		Supplied with: 1 mL of 10X Buffer R 1 mL of 10X Buffer							
31.	Kpnl	Concentration: 4000U, 10 U/μL Source:Klebsiella pneumoniaeOK8 Supplied with: 2x1 mL of 10X 1 mL of 10X Buffer	Vial	<b>Local, All</b>	1				
32.	BamHI	Concentration: 4000, 10 U/μL Source:Bacillus amyloliquefaciens H Supplied with: 2x1 mL of 10X Buffer BamHI 1 mL of 10X Buffer	Vial	<b>Local, All</b>	1				
33.	Blade Holder	Universal stainless steel	Nos	<b>Local</b>	20				
34.	Reagent bottle 250ml	Graduated, Autoclavable	Nos	<b>Local</b>	10				
35.	Reagent bottle 500 ml	Graduated, Autoclavable	Nos	<b>Local</b>	10				
36.	Reagent bottle 1000ml	Graduated, Autoclavable	Nos	<b>Local</b>	10				
37.	Bacterial cell stainless steel spreader	Smooth spreading surface on agar plates, stainless steel, reusable	Nos	<b>Local</b>	10				

Instl/Assy/Commissioning Req	Yes	No✓	Contract with OEM/Supplier	Yes✓		No	
Performance Bond Req	Yes	No✓	Offer Req for Package Deal	Yes		No✓	
<b>Note:</b> (If any)			Warranty req and Duration	Yes		No✓	
Maint Spare Req	Yes	No✓	Essentially Running spare req	Yes		No✓	
Pub/Lit Req	Yes	No✓	Req of Cert for test data results	Yes		No✓	
Trg Req	Local	Foreign	Req of Calibration	Yes		No✓	
<b>Note:</b> Tick Relevant Box							

### Special Instructions Chemicals

Description	Bidder			Tech Scrutiny to be done by User		
	Yes	No	Alternate Offer	Accepted	Rejected	Reasons of Rejection
<b>Environment Conditions</b> (a) Temperature range: 0°C to +60°C (b) Relative humidity: 0-70% non-condensing						
<b>Warranty period</b> I. The chemicals provided should have a valid expiry date at the time of delivery II. For chemicals with no expiry date mentioned on the containers, the certificate of quality has still to be ensured as in I. III. The chemicals will have to be delivered within established specifications of storage by the company and as required						
<b>Delivery conditions</b> 1. At the time of delivery the container in which the chemical						

<p>supplied will have to have the original seal with original tamper seal intact.</p> <ol style="list-style-type: none"> <li>2. Certification of quality will be provided.</li> <li>3. Any specific conditions of storage will be mentioned</li> <li>4. No chemicals will be received if standard conditions to store before delivery and at the time of delivery are violated</li> </ol>						
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<p>Firm Name_____</p> <p>Signature_____</p> <p>Name_____</p> <p>Designation_____</p>
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**NATIONAL UNIVERSITY OF TECHNOLOGY**  
**SUPPLY CHAIN MANAGEMENT OFFICE**

**TECHNICAL OFFER**

**Annex B**

User Reference No **NUTECH/SCM/Bio Lab Chemical & Glassware-2019/TD-097**

Date: **22-08-2019**

**Please fill in the following essential parameters:**

1. Validity of Offer: \_\_\_\_\_ Days (Should not be less than 90 days)
2. Delivery Period: \_\_\_\_\_ Days (After Placement of order)
3. Country of Origin: \_\_\_\_\_

**General**

GST No: \_\_\_\_\_ (Please enclose copy)

NTN/CNIC: \_\_\_\_\_ (if exempted, please provide valid exemption certificate)

**Payment Terms:**

1. 50 % advance payment against BG/CDR/Pay Order/DD
2. 50% payment after delivery, installation /commissioning, user satisfaction certificate.

**3. Details of Payment Recipient**

(1) Name/Title: \_\_\_\_\_

(2) Address: \_\_\_\_\_

OEM Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Focal Person: \_\_\_\_\_

Official Seal: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Name : \_\_\_\_\_

Email Address: \_\_\_\_\_

Designation: \_\_\_\_\_



**NATIONAL UNIVERSITY OF TECHNOLOGY**

**SUPPLY CHAIN MANAGEMENT OFFICE**

**FINANCIAL OFFER**

**Annex C**

User Reference No **NUTECH/SCM/Bio Lab Chemical & Glassware-2019/TD-097**

Date: 22-08-2019

Ser	Items	Description	A/U	Qty Req	Unit Price (Rs) (Incl all taxes)	Total amount for total qty (Rs) (Incl all taxes)
1.	Taq Polymerase	500 Units	Vials	10 Vials		
2.	DNTP's Mixture	Mixture of 4 DNTPs	Vials	10 Vials		
3.	CTAB Extraction Buffer	Molecular Grade	Kg	1 kg		
4.	TriZol	Molecular Grade	ml	100ml x 8		
5.	CDNA synthesis Kit	250 Preps	Kits	1 Kit		
6.	Tris-EDTA buffer solution	Molecular Grade	ml	100ml		
7.	Tris (hydroxymethyl) aminomethane	Analytical Grade Master Mixes with 2x concentrated, and Mgcl <sub>2</sub> , and DNA Polymerase	Kg	1kg		
8.	SYBR Green	Master Mixes with 2x concentrated, and Mgcl <sub>2</sub> , and DNA Polymerase	Kits	10 Vials		
9.	Tris HCl	Analytical Grade	Kg	1kg		
10.	MTT Formazan	Molecular Grade	mg	1000mg		

11.	MTT (Thiazolyl Blue Tetrazolium Blue )	Molecular Grade	mg	1000mg		
12.	Saline solution (0.9%)	Analytical Grade	Litres	3 L		
13.	Benedict's Reagent	Analytical Grade	litres	2L		
14.	Sucrose	Analytical Grade	Grams	500 g		
15.	Fructose	Analytical Grade	Grams	500 g		
16.	$\alpha$ - Naphthol	Analytical Grade	Grams	500g		
17.	Maltose	Analytical Grade	Grams	500g		
18.	Glucose	Analytical Grade	Kg	1kg		
19.	Barfoed's reagent	Analytical Grade	Litres	2L		
20.	Giemsa stain	Analytical Grade	Litres	1L		
21.	Agarose	Molecular grade	Kg	1 Kg		
22.	PVU I	Concentration: 10000 U, 10 U/ $\mu$ L Source: Bacillus amyloliquefaciensH Supplied with: 4x1 mL of 10X Buffer 1 mL of 10X Buffer	Vial	1		
23.	EcoRV	Concentration: 4000U, 10 U/ $\mu$ L Source: Escherichia coli RFL32 Supplied with: 1 mL of 10X Buffer R 1 mL of 10X Buffer	Vial	1		
24.	NotI	Concentration: 1500U, 10 U/ $\mu$ L, Supplied with: 1 mL of 10X Buffer O 1 mL of 10X Buffer	Vial	1		
25.	SapI	Concentration: 500U, 5 U/ $\mu$ L,	Vial			

		Source: <i>Lysobacter gummosus</i> RFL1 Supplied with: 1 mL of 10X Buffer		1		
26.	PvuII	Concentration: 5000U 10 U/μL, Source:Proteus vulgaris Supplied with: 2x1 mL of 10X Buffer G 1 mL of 10X Buffer	Vial	1		
27.	XbaI	Concentration: 3000U, 10 U/μL 28.Source:Xanthomonas badrii Supplied with: 2x1 mL of 10X Buffer	Vial	1		
28.	XhoI	Concentration: 5000U, 10 u/μL. Supplied with:2 x1 mL of 10X Buffer R 1 mL of 10X Buffer	Vial	1		
29.	ECOR I	Concentration: 5000U, 10 U/μL Source:E.colithat carries the clonedecoRIR gene from Escherichia coliRY13 Supplied with: 2x1 mL of 10X Buffer O 1 mL of 10x Buffer	Vial	1		
30.	Hind III	oncentration: 5000U, 10 U/μL Source:Haemophilus influenzaeRd Supplied with: 1 mL of 10X Buffer R 1 mL of 10X Buffer	Vial	1		
31.	KpnI	Concentration: 4000U, 10 U/μL Source:Klebsiella pneumoniaeOK8 Supplied with: 2x1 mL of 10X 1 mL of 10X Buffer	Vial	1		
32.	BamHI	Concentration: 4000, 10 U/μL Source:Bacillus amyloliquefaciens H Supplied with: 2x1 mL of 10X Buffer BamHI 1 mL of 10X Buffer	Vial	1		
33.	Blade Holder	Universal stainless steel	Nos	20		
34.	Reagent bottle 250ml	Graduated, Autoclavable	Nos	10		
35.	Reagent bottle 500 ml	Graduated, Autoclavable	Nos	10		

36.	Reagent bottle 1000ml	Graduated, Autoclavable	Nos	10		
37.	Bacterial cell stainless steel spreader	Smooth spreading surface on agar plates, stainless steel, reusable	Nos	10		
<b>Gross Total</b>						

Bid Bond Ref # \_\_\_\_\_ Total GST \_\_\_\_\_

Total Value (Incl Tax) \_\_\_\_\_

\*Bid Bond to be attached with Annex C. Copy of Bid Bond be attached with technical offer without showing its value. Exposure of bid bond may result in rejection of offer.

Firm Name _____
Signature _____
Name _____
Designation _____