



Centre for Advanced Research in Sciences (CARS)
University of Dhaka, Dhaka 1000.

Invitation for Tender (National)

Ref No. CARS/ST/P-226/OTM/GEBRL/RB/16-17.

Date : ১৭-০২-১৪২৪ বঙ্গাব্দ
31-05-2017 খ্রিষ্টাব্দ

Sealed Tenders are hereby invited from reputed supplier for Supply, Installation, Testing and Commissioning of Chemicals, Consumables and Computer for the Genetic Engineering and Biotechnology Research Laboratory (GEBRL) and Basic Laboratory at the Centre for Advanced Research in Sciences (CARS), University of Dhaka.

1.	Ministry/Division	Ministry of Education	
2.	Agency	University of Dhaka	
3.	Procuring Entity Name	Centre for Advanced Research in Sciences (CARS), University of Dhaka.	
4.	Procuring Entity Code	Not used	
5.	Procuring Entity District	Dhaka	
6.	Invitation for	Research based Chemicals, Consumables & Computer.	
7.	Invitation Ref No.	Ref. No. & Date: CARS/ST/P-226/OTM/GEBRL/RB/16-17, Date: ১৭-০২-১৪২৪ বঙ্গাব্দ/ 31-05-2017 খ্রিষ্টাব্দ	
8.	Date :	১৭-০২-১৪২৪ বঙ্গাব্দ 31-05-2017 খ্রিষ্টাব্দ	
KEY INFORMATION			
9.	Procurement Method	Open Tendering Method	
FUNDING INFORMATION			
10.	Budget and Source of Funds	Revenue Budget (RB)	
11.	Development Partner (if applicable)	N/A	
PARTICULAR INFORMATION			
12.	Project/Programme Code (if applicable)	Not used	
13.	Project/Programme Name (if applicable)	Not Applicable	
14.	Tender Package No.	As mentioned in clause 26	
15.	Tender Package Name	Supply, Installation, Testing and Commissioning of Chemicals, Consumables and Computer for the Genetic Engineering and Biotechnology Research Laboratory (GEBRL) and Basic Laboratory at the CARS.	
16.	Tender Publication Date	১৭-০২-১৪২৪ বঙ্গাব্দ 31-05-2017 খ্রিষ্টাব্দ	
17.	Tender Last Selling Date	০৫-০৩-১৪২৪ বঙ্গাব্দ Up to office hours. 19-06-2017 খ্রিষ্টাব্দ	
18.	Tender Closing Date and Time	Date :	Time:
		০৬-০৩-১৪২৪ বঙ্গাব্দ 20-06-2017 খ্রিষ্টাব্দ	12:00 Noon
19.	Tender Opening Date and Time	০৬-০৩-১৪২৪ বঙ্গাব্দ 20-06-2017 খ্রিষ্টাব্দ	12:30 pm

20.	Name & Address of the Office(s)	Address(s)		
	-Selling Tender Document (Principal)	(i) Centre for Advanced Research in Sciences (CARS), University of Dhaka.		
	-Receiving Tender Document	(i) Centre for Advanced Research in Sciences (CARS), University of Dhaka.		
	-Opening Tender Document	Centre for Advanced Research in Sciences (CARS), University of Dhaka.		
21.	Place/Date/Time of Pre-Tender Meeting	Name/Address	Date:	Time
INFORMATION FOR TENDERER				
22.	Eligibility of Tenderer's	(i) Trade License (ii) VAT Registration Certificate (iii) Income Tax Clearance Certificate (iv) Experience Certificate in similar supply and works of comparable value in a single tender in last five years as mentioned in TDS (v) Bank solvency Certificate as mentioned in TDS (vi) Competency certificate of after sale service as mentioned in the TDS (vii) Manufacturer Authorization for suitable Lot or Item only. (viii) Applicant must be owner of the firm or Representative of the firm will be authorized by the owner of the Firm with seal of the owner.		
23.	Brief Description of Goods	Supply, Installation, Testing and Commissioning of Chemicals, Consumables and Computer.		
24.	Brief Description of Related Services	Supply, Installation, Testing and Commissioning of Chemicals, Consumables and Computer for the Genetic Engineering and Biotechnology Research Laboratory (GEBRL) and Basic Laboratory at the CARS.		
25.	Tender Document Price TK.-2,000.00	The Price of Tender Schedule as mentioned is to be deposited in A/C No. 36000392 -Janata Bank, T.S.C branch, Dhaka University . Tender schedule and terms and conditions may be collected on submission of the deposit receipt from the above mentioned offices on all working days except on the date fixed for submitting the tender.		
26.	Identification/Name of Equipment	Location	Tender Security Amount in Taka	Completion Time
	"Supply, Installation, Testing and Commissioning of Chemicals, Consumables and Computer."	CARS, DU.	Lot-1 : Chemicals.	4,550.00
			Lot-2 : Consumables (GEBRL)	1,800.00
			Lot-3 : Computer.	2,000.00
			Lot-4 : Consumables (Basic Lab.)	5,800.00
PROCURING ENTITY DETAILS				
27.	Name of Official Inviting Tender	Prof. Dr. Golam Mohammed Bhuiyan		
28.	Designation of Official Inviting Tender	Director		
29.	Address of Official Inviting Tender	Centre for Advanced Research in Sciences (CARS), University of Dhaka.		
30.	Contact details of Official Inviting Tender	9661900/Ext. 4616/ 4636.		
31.	The procuring entity reserves the right to accept or reject any or all tenders without assigning any reason whatsoever. The procuring authority also reserves the right to omit, increase and/or decrease the quantity of any Lot/item/items from the Tender. The suppliers must abide by the decision of the University authority. Tender form, schedule of items of supply, tender notice and terms and conditions etc. will form the integral part of the tender. The suppliers should write the name of the Lot and Lot No and the name of the firm on the envelope clearly . Vat, Income Tax and other Taxes, if any, imposed by the Govt. will be deducted from their bills as per Govt. rules.			

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Director

Centre for Advanced Research in Sciences (CARS)
University of Dhaka.

Section 6. Schedule of Requirements

This Section provides the List of Goods and Delivery Schedule and List of Related Services and Completion Schedule and must be carefully prepared by a Procuring Entity for each object of procurement.

Invitation for Tender No :

Date :

Tender Package No :

A. List of Goods & Related services and Delivery Schedule

Item No.	Description of Item	Unit of Measurement	Quantity	Point of Delivery	Delivery Period Required
1	2	3	4	5	6
Lot-1 : Chemicals.					
01	PCR components GoTaq® G2 Hot Start Colorless Master Mix Unit Size: 100 reactions×50 µl Expiration date remains after receiving: Might be 1 years	100 reactions× 50 µl	02	CARS, DU	90 days from the date of issuance a purchase order.
02	Nuclease free water DNA, RNase, ATP and endotoxin-free. Unit Size: 150 ml	150ml	01		
03	Primer, 25nmole	Base	176		
04	PCR product purification kit 1 Set = 100 preps	Set	01		
05	R Nase A (10mg/ml) Endonuclease-free Unit Size: 1 ml	1ml	01		
06	Phenol solution Grade: Molecular biology PH : 8.0 Form: Liquid volume: 400ml storage temp: 2-8°C Application: DNA extraction	400ml	01		

07	Isopropanol Grade: Molecular Biology, DNase, RNase and Protease-Free Form: Liquid. Volume: 2.5L storage temp: room temp Application: DNA and RNA extraction	2.5L	01		
08	Magnesium chloride (MgCl ₂) Grade: Molecular Biology Form: Powder volume: 500g storage temp: room temp Application: DNA and RNA extraction	500g	01		
09	SDS Grade: Molecular Biology volume: 100g Application: DNA and RNA extraction Solubility: water soluble	100g	01		
10	Tris -base Grade: Molecular Biology volume: 500g Application: DNA and RNA extraction	500g	01		
11	Absolute Ethanol 99.99% accuracy volume: 2.5L Application: DNA and RNA extraction, sequencing	2.5 L	01		
12	Tris-HCl Grade: Molecular Biology volume: 500g Application: DNA and RNA extraction, electrophoresis	500g	01		
13	Sucrose Grade: Molecular Biology, DNase, RNase and Protease-Free assay: ≥99.5% volume: 1 Kg Application: DNA and RNA extraction	Kg	1kg		
14	Na-EDTA/EDTA disodium salt dihydrate Grade: Molecular Biology, DNase, RNase and Protease-Free Volume: 500g Application: DNA and RNA extraction	500g	01		
15	Sodium chloride (NaCl) Grade: Molecular Biology, DNase, RNase and Protease-Free Volume: 500g Application: DNA and RNA extraction	500g	01		
16	Sodium Perchlorate anhydrous Grade: Molecular Biology, DNase, RNase and Protease-Free Volume: 500g Application: DNA and RNA extraction	500g	01		

Lot-2 : Consumables (GEBRL)			
01	Pipette (1000 µl) Single-channel autoclavable Volume-100-1000 µl	No's	01
02	Nano tips DNA, RNase, ATP and endotoxin-free Colorless Autoclavable at 121 °C Volume: 0.1-10µl 1 Pack=500	Pack	10
03	Yellow tips DNA, RNase, ATP and endotoxin-free Yellow/White Autoclavable at 121 °C Volume: 10-200µl 1 Pack=500 Pcs.	Pack	6
04	Blue tips DNA, RNase, ATP and endotoxin-free Blue. Autoclavable at 121 °C Volume: 100-1000µl 1 Pack=500 Pcs.	Pack	4
05	PCR Tube (0.2ml) RNase, Dnase and human DNA free Colorless Type: Thin Wall PCR Tube Autoclavable at 121 °C Volume (Metric): 0.2mL 1 Pack=500 Pcs.	Pack	8
06	PCR Tube (0.5ml) RNase, Dnase and human DNA free Colorless Autoclavable at 121 °C Volume (Metric): 0.5mL 1 Pack=500 Pcs.	Pack	2
07	1.5ml Microcentrifuge Tube Centrifugable up to 30,000 g Material: Polypropylene Colorless RNase, Dnase and human DNA free Autoclavable at 121 °C Volume (Metric): 1.5mL 1 Pack=500 Pcs.	Pack	6
Lot-3 : Computer.			
01	Computer for sequencer Machine Operating System: Windows 7/ Professional, (32-bit), Windows XP Processor : Core i7 Memory : 8GB Keyboard: USB Entry Keyboard, English Video Card : 512MB ATI Radeon HD 4550 w/ Single DP and Single DVI, Full Height or more Integrated VGA Video: Disabled if Video card	No's	01

	: In built system Hard Drive: 500GB SATA 3.0Gb Hard Drive Controller: RAID1, Combo Full Height Riser 1PCI/1PCI-E Mouse: USB Laser 6-Button Mouse NIC: Dual port, Broadcom (2 ports) DVD-RWDrive: 16X DVD+/-RW SATA, Data Only		
Lot- 4 : Consumables (Basic)			
01	Vortex Genue-2	No's	1
02	Glass condenser	No's	2
03	Round bottle flux with double neck	No's	2
04	Glass spreader, 1 Pack=500pcs	Pack	1
05	Glass petridishes	No's	100
06	Glass test tube	No's	100
07	Glass beaker 250 ml, 500 ml	No's	6+6 =12
08	Conical flask, 500 ml, 250 ml,	No's	6+6 =12
09	Anaerobic Jar	No's	5
10	Anaerobic Gas Pack 1 pack=500 pcs	Pack	2
11	Anaerobic indicator 1 pack=500 pcs	Pack	2
12	Bunsen burner	No's	1
13	Inoculating loop	No's	5
14	Measuring bowl	No's	20
15	Glass spreader, 1 pack=500 pcs	Pack	1
16	Autoclavable test tube rack	No's	5
17	Aluminium foil	No's	5
18	Glass Burette	No's	1
19	Burette stand	No's	1
20	Glass pipette	No's	10
21	Biohazard Bag, 1 pack=100	Pack	4
22	Filter paper (0.45Micro mitre), 1 pack=100	Pack	1
23	Filter paper (0.22 Micro mitre), 1 pack=100	Pack	1
24	Weight measuring machine 0.01g-120g	No's	1

Country of Origin : USA/UK/EU/Germany/Japan/Australia/Canada/Equivalent.

Section 7. Technical Specifications.

The Goods and Related Services shall comply with following Technical Specifications:

Item No	Name of Item or Related Service	Technical Specification and Standards
»	CARS	Supplier
Lot-1 : Chemicals.		
01	PCR components GoTaq® G2 Hot Start Colorless Master Mix Unit Size: 100 reactions×50 µl Expiration date remains after receiving: Might be 1 years	
02	Nuclease free water DNA, RNase, ATP and endotoxin-free. Unit Size: 150 ml	
03	Primer, 25nmole	
04	PCR product purification kit 1 Set = 100 preps	
05	R Nase A (10mg/ml) Endonuclease-free Unit Size: 1 ml	
06	Phenol solution Grade: Molecular biology PH : 8.0 Form: Liquid volume: 400ml storage temp: 2-8°C Application: DNA extraction	
07	Isopropanol Grade: Molecular Biology, DNase, RNase and Protease-Free Form: Liquid. Volume: 2.5L storage temp: room temp Application: DNA and RNA extraction	
08	Megnessium chloride (Mgcl ₂) Grade: Molecular Biology Form: Powder volume: 500g storage temp: room temp Application: DNA and RNA extraction	
09	SDS Grade: Molecular Biology volume: 100g Application: DNA and RNA extraction Solubility: water soluble	
10	Tris –base Grade: Molecular Biology volume: 500g Application: DNA and RNA extraction	

11	Absolute Ethanol 99.99% accuracy volume: 2.5L Application: DNA and RNA extraction, sequencing	
12	Tris-HCl Grade: Molecular Biology volume: 500g Application: DNA and RNA extraction, electrophoresis	
13	Sucrose Grade: Molecular Biology, DNase, RNase and Protease-Free assay: ≥99.5% volume: 1 Kg Application: DNA and RNA extraction	
14	Na-EDTA/EDTA disodium salt dihydrate Grade: Molecular Biology, DNase, RNase and Protease-Free Volume: 500g Application: DNA and RNA extraction	
15	Sodium chloride (NaCl ₂) Grade: Molecular Biology, DNase, RNase and Protease-Free Volume: 500g Application: DNA and RNA extraction	
16	Sodium Perchlorate anhydrous Grade: Molecular Biology, DNase, RNase and Protease-Free Volume: 500g Application: DNA and RNA extraction	
Lot-2 : Consumables (GEBRL)		
01	Pipette (1000 µl) Single-channel autoclavable Volume-100-1000 µl	
02	Nano tips DNA, RNase, ATP and endotoxin-free Colorless Autoclavable at 121 °C Volume: 0.1-10µl 1 Pack=500	
03	Yellow tips DNA, RNase, ATP and endotoxin-free Yellow/White Autoclavable at 121 °C Volume: 10-200µl 1 Pack=500 Pcs.	
04	Blue tips DNA, RNase, ATP and endotoxin-free Blue. Autoclavable at 121 °C Volume: 100-1000µl 1 Pack=500 Pcs.	

05	<p>PCR Tube (0.2ml) RNase, Dnase and human DNA free Colorless Type: Thin Wall PCR Tube Autoclavable at 121 °C Volume (Metric): 0.2mL 1 Pack=500 Pcs.</p>	
06	<p>PCR Tube (0.5ml) RNase, Dnase and human DNA free Colorless Autoclavable at 121 °C Volume (Metric): 0.5mL 1 Pack=500 Pcs.</p>	
07	<p>1.5ml Microcentrifuge Tube Centrifugable up to 30,000 g Material: Polypropylene Colorless RNase, Dnase and human DNA free Autoclavable at 121 °C Volume (Metric): 1.5mL 1 Pack=500 Pcs.</p>	
Lot-3 : Computer.		
01	<p>Computer for sequencer Machine Operating System: Windows 7/ Professional, (32-bit), Windows XP Processor : Core i7 Memory : 8GB Keyboard: USB Entry Keyboard, English Video Card : 512MB ATI Radeon HD 4550 w/ Single DP and Single DVI, Full Height or more Integrated VGA Video: Disabled if Video card : In built system Hard Drive: 500GB SATA 3.0Gb Hard Drive Controller: RAID1, Combo Full Height Riser 1PCI/1PCI-E Mouse: USB Laser 6-Button Mouse NIC: Dual port, Broadcom (2 ports) DVD-RWDrive: 16X DVD+/-RW SATA, Data Only</p>	
Lot- 4 : Consumables (Basic)		
01	Vortex Genu-2	
02	Glass condenser	
03	Round bottle flux with double neck	
04	Glass spreader, 1 Pack=500pcs	
05	Glass petridishes	
06	Glass test tube	
07	Glass beaker 250 ml, 500 ml	
08	Conical flask, 500 ml, 250 ml,	
09	Anaerobic Jar	
10	Anaerobic Gas Pack 1 pack=500 pcs	
11	Anaerobic indicator 1 pack=500 pcs	

12	Bunsen burner	
13	Inoculating loop	
14	Measuring bowl	
15	Glass spreader, 1 pack=500 pcs	
16	Autoclavable test tube rack	
17	Aluminium foil	
18	Glass Burette	
19	Burette stand	
20	Glass pipette	
21	Biohazard Bag, 1 pack=100	
22	Filter paper (0.45Micro metre), 1 pack=100	
23	Filter paper (0.22 Micro metre), 1 pack=100	
24	Weight measuring machine 0.01g-120g	