



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

Invitation for Tender (National)

Ref No. CARS/ST/P-271/OTM/NLOL/RB/18-19.

Date : ২৪-১২-১৪২৫বঙ্গাব্দ
07-07-2019 খ্রিষ্টাব্দ

Sealed Tenders are hereby invited from reputed supplier for Supply, Installation, Testing and Commissioning of Chemicals, Computer and Equipment for Non-Linear Optics and Laser Research Laboratory (NLOL) at the 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	Supply, Installation, Testing and Commissioning of Chemicals, Computer and Equipment for Non-Linear Optics and Laser Research Laboratory (NLOL)	
7.	Invitation Ref No.	CARS/ST/P-271/OTM/NLOL/RB/18-19.	
8.	Date :	07-04-2019 খ্রিষ্টাব্দ	
KEY INFORMATION			
9.	Procurement Method	Open Tendering Method	
FUNDING INFORMATION			
10.	Budget and Source of Funds	Revenue Budget (RB) 2018-19	
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.	Lot Wise	
15.	Tender Package Name	Supply, Installation, Testing and Commissioning of Chemicals, Computer and Equipment for Non-Linear Optics and Laser Research Laboratory (NLOL)	
16.	Tender Publication Date	18-02-2019 খ্রিষ্টাব্দ	
17.	Tender Last Selling Date	24-04-2019 খ্রিষ্টাব্দ Up to office hours	
18.	Tender Closing Date and Time	Date :	Time:
		25-04-2019 খ্রিষ্টাব্দ	12:00 Noon
19.	Tender Opening Date and Time	25-04-2019 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	(i) Trade License (ii) VAT Registration Certificate (iii) Income Tax Clearance Certificate (iv) Experience Certificate in similar field (v) Bank solvency Certificate as mentioned in TDS (vi) Manufacturer Authorization letter. (vii) Applicant must be owner of the firm or Representative of the firm will be authorized by the owner of the Firm signature with name and seal of the owner. (viii) Country of origin and made in country will be same. If differ then explain clearly with black and white. (ix) Color catalogue of the Equipment. (x) The Supplier has to avail an expert maintenance team and needed submission of team member's list with Biodata.			
23.	Brief Description of Goods	Supply, Installation, Testing and Commissioning of Chemicals, Computer and Equipment for Non-Linear Optics and Laser Research Laboratory (NLOL)			
24.	Brief Description of Related Services	Supply, Installation, Testing and Commissioning of Chemicals, Computer and Equipment for Non-Linear Optics and Laser Research Laboratory (NLOL)			
25.	Tender Document Price TK.-3,000.00	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		
	"Chemicals, Computer and Equipment"	CARS, DU.	Lot- 1 : Chemicals	3,700.00	90 days from the date of issuance a Purchase order
			Lot- 2 : Computer	2,000.00	
			Lot- 3 : Equipment	18,500.00	
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 Chemicals, Computer and Equipment from the Tender. The suppliers must abide by the decision of the University authority. Tender form, schedule of requirements 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 item, 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	H ₂ AuCl ₄ (Chloroauric acid/Tetrachloroauric acid)	10gm/pack	1 pack	CARS, DU	90 days from the date of issuance a purchase order. 04
02	Sodium borohydrate, anhydrous	100gm/pack	1 pack		
03	NADH (β-Nicotiamide Adenine Dinucleotide; Reduced disodium salt hydrate ≥ 97.0% (HPLC))	100g/pack	01		
Lot -2 : Computer					
01	Computer Operating System: Windows 7 Processor: Core i7 8700K, 12M Cache, 4.70 GHz. Memory : 8 GB, DDR4. Monitor : 22" Wide LED HD Screen Motherboard/Chipset : 8th Gen Z370N Wi-fi Ultra Durable. Power Supply : 500 watts org. Keyboard: Optical Keyboard Video Card : 512MB ATI Radeon HD 4550 w. Casing: ATX Thermal Tec.	No's	01		

	UPS : 1200 VA Offline. Hard Drive : 1TB, 7200 RPM, 3.0Gb. M.2 PCIE SX6000NP128 GB Solid State Drive Mouse : Optical Mouse DVD-RW Drive : 24X DVD Rom				
Lot-3 : Equipment					
01	Standard Photodiode Power Sensor Detector Type: Silicon Photodiode Wavelength Range: 400 nm - 1100 nm Optical Power Range: 500 nW - 500 mW Resolution 10 nW	No's	1		
02	USB Power Meter Standard Photodiode Sensor • General Purpose Optical Power Measurements • Integrated Viewing Target for Easy Sensor Alignment • Ø9.5 mm Sensor Aperture • Protective Cap Included Detector Type: Silicon Photodiode Wavelength Range: 400 nm - 1100 nm Optical Power Range: 500 nW - 500 mW Resolution 10 nW	No's	1		
03	Si Photodiode 10 ns Rise Time Wavelength Range 350 - 1100 nm Active Area (3.6 mm x 3.6 mm) 13 mm ² Rise/Fall Time 10 ns / 10 nsd @ 632 nm, 20 V Dark Current 1.0 nA (Typ.) @ 20 V Junction Capacitance 24 pF (Typ.) @ 20 V	No's	2		
04	N-BK7 Plano-Convex Lens, Ø1", f = 50.0 mm , Diameter 1", Focal Length 50 (mm) Diopter +20.0, Radius of Curvature 25.8 (mm), Center Thickness 5.3 (mm) Edge Thickness 2 (mm) Back Focal Length 46.3 (mm)	No's	2		
05	N-BK7 Plano-Convex Lens, Ø1", f = 30.0 mm Diameter 1" Focal Length 30 (mm) Diopter 33.3 Radius of Curvature 15.5 (mm) Center Thickness 8.6 (mm) Edge Thickness 2 (mm) Back Focal Length 24.2 (mm)	No's	2		

06	N-BK7 Plano-Convex Lens, Ø1", f = 75.0 mm Diameter 1" Focal Length 75 (mm) Diopter 13.3 Radius of Curvature 38.6 (mm) Center Thickness 4.1 (mm) Edge Thickness 2 (mm) Back Focal Length 72 (mm)	No's	1		
07	N-BK7 Plano-Convex Lens, Ø1", f = 100.0 mm Diameter 1" Focal Length 100 (mm) Diopter 10 Radius of Curvature 51.5 (mm) Center Thickness 3.6 (mm) Edge Thickness 2 (mm) Back Focal Length 97.3 (mm)	No's	1		
08	Quartz Cuvette 1mm Lightpath 0.4 mL volume 2 transparent windows 10 mm light slit width	No's	2		
	Pathlength Quartz Cuvettes Pathlength - 1mm Inside width - 10mm Volume - 0.35ml Dimension - 45x12.5x3.5mm With cover and round bottom	No's	1		
09	Set of 4 Standard Quartz Cuvettes (Teflon cover ,open top type): Cell Material : Optical UV Quartz Top Type : Open top Light Path: 1,2,5,10 mm Cell Volume : 0.35, 0.7, 1.75, 3.5 mL Spectral range : 190-2000 nm	No's	2		
10	Standard, Post-Mounted Iris Diaphragm	No's	1		
11	Zero Aperture, Post-Mounted Iris Diaphragms	No's	1		
12	Non-Polarizing Beamsplitter Cube, 1/2"	No's	2		
13	12VDC Focusable 500mW 405nm Laser Diode Module	No's	1		
14	12V 405nm 200mw Laser Diode Module	No's	1		
15	Focusable 650mW 450nm 445nm Laser Diode Module	No's	1		
16	532nm 150mw Laser dot Module	No's	1		
17	12V 638nm 200mw Laser Dot Module	No's	1		
18	200mW - 250mW Red 650nm 660nm Laser Diode Module	No's	1		

19	400mW 808nm 810nm Infrared IR Laser Diode Module 12V	No's	1		
20	TLC plate, glass made	25/Pack	1 pack		
21	Weighing balance, four digit.	No's	1		
22	Fluorescence Cuvette	10 mm	2		
22	PH- Meter with buffer, digital	No's	1		
23	Magnetic Stirrer	Set	1 Set		
24	Digital Hot Plate	No's	1		
25	Standard Photodiode Power Sensor Detector Type: Silicon Photodiode Wavelength Range: 400 nm - 1100 nm Optical Power Range: 500 nW - 500 mW Resolution 10 nW	No's	1		
26	USB Power Meter Standard Photodiode Sensor • General Purpose Optical Power Measurements • Integrated Viewing Target for Easy Sensor Alignment • Ø9.5 mm Sensor Aperture • Protective Cap Included Detector Type: Silicon Photodiode Wavelength Range: 400 nm - 1100 nm Optical Power Range: 500 nW - 500 mW Resolution 10 nW	No's	1		

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

Warranty : 24 Months from the date of delivery for the equipment, computer and scientific consumables.

N.B : Expiry date is needed at least 12 months from the date of delivery for chemicals.