



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

**Invitation for Tender (National)**

Ref No.CARS/ST/BRRI /OTM/2016

Date: 28-11-16

**Sealed Tenders are hereby invited from reputed supplier for the Supply and Testing of Chemicals, Consumables & Refrigerator For BRRI in Drug Analysis and Research 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	Chemicals, Consumables & Refrigerator		
7.	Invitation Ref No.	Ref No.CARS/ST/BRRI /OTM/2016		
8.	Date	28/11/2016		
<b>KEY INFORMATION</b>				
9.	Procurement Method	Open Tendering Method		
<b>FUNDING INFORMATION</b>				
10.	Budget and Source of Funds	BRRI Fund		
11.	Development Partner (if applicable)			
<b>PARTICULAR INFORMATION</b>				
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 and Testing of Chemicals, Consumables & Refrigerator For BRRI project In Drug Analysis and Research Laboratory at the CARS, University of Dhaka.		
16.	Tender Publication Date	28/11/2016		
17.	Tender Last Selling Date	13/12/2016 up to office hours		
18.	Tender Closing Date and Time	<b>Date:</b>	<b>Time:</b>	
		14/12/2016	12:00 Noon	
19.	Tender Opening Date and Time	14/12/2016	12:30 pm	
20.	<b>Name &amp; Address of the Office(s)</b>	<b>Address(s)</b>		
	-Selling Tender Document (Principal)	(i) Centre for Advanced Research in Sciences, University of Dhaka.		
	-Receiving Tender Document	(i) Centre for Advanced Research in Sciences, University of Dhaka.		
	-Opening Tender Document	Centre for Advanced Research in Sciences, University of Dhaka.		
21.	Place/Date/Time of Pre-Tender Meeting	<b>Name/Address</b>	<b>Date:</b>	<b>Time</b>
<b>INFORMATION FOR TENDERER</b>				
22.	Eligibility of Tenderer	(i) Trade License (ii) VAT Registration Certificate (iii) Income Tax Clearance Certificate (iv) Experience Certificate in similar works of comparable value in a single tender in last five years as mentioned in TDS (v) Bank solvency Certificate. (vi) Competency certificate of after sale service. (vii) Manufacturer Authorization where applicable.		
23.	Brief Description of Goods	Supply and Testing of Chemicals, Consumables & Refrigerator For BRRI project In Drug Analysis and Research Laboratory at the CARS, University of Dhaka.		
24.	Brief Description of Related Services	Supply and Testing of Chemicals, Consumables & Refrigerator.		
25.	Tender Document Price - <b>2,000.00</b>	The Price of Tender Schedule as mentioned is to be deposited in <b>A/C No. 36000392 - Janata Bank, T.S.C branch, Dhaka University</b> . 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.	<b>Identification/Name of Equipment</b>	<b>Location</b>	<b>Tender Security Amount in Taka</b>	<b>Completion Time</b>
	<b>Lot-1 : Chemicals</b>	Centre for Advanced Research in Sciences (CARS), University of Dhaka.	<b>6,800.00</b>	90 days from the date of issuance of Purchase order.
	<b>Lot-2 : Consumables</b>		<b>3,000.00</b>	
	<b>Lot-3 : Refrigerator</b>		<b>1,700.00</b>	
<b>PROCURING ENTITY DETAILS</b>				
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/ 4636/4639. Website: www.cars.du.ac.bd		
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 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 the name of their 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.			

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

## Section 6. Schedule of Requirements

Invitation for Tender No:

Date : 28-11-16

Tender Package No:

### A. List of Goods & Related services and Delivery Schedule

*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.*

Item No.	Description of Item	Unit of Measurement	Quantity	Point of Delivery	Delivery Period Required (from date of contract signature in weeks)
1	2	3	4	5	6
<b>Lot -01: Chemicals.</b>					
01	Thiamine Hydrochloride (B1) analytical standard Synonym: Aneurine hydrochloride, Thiamine hydrochloride, Vitamin B1 hydrochloride	Drug Lab.	100MG	01	90 days from the date of issuance PO.
02	Riboflavin (B2) analytical standard Synonym: (-)-Riboflavin, Lactoflavin, Vitamin B2, Vitamin G	"	1000MG	02	
03	Sodium hexanesulfonate ≥98% (elemental analysis) Synonym: 1-Hexanesulfonic acid sodium salt	"	25G	03	
04	Sodium bicarbonate puriss., meets analytical specification of Ph. Eur., BP, USP, FCC, E500, 99.0-100.5%, powder Synonym: Sodium hydrogen carbonate	"	5KG	04	
05	Potassium phosphate dibasic reagent grade, ≥98.0%	"	500G	05	
06	Sodium acetate trihydrate puriss., meets analytical specification of Ph. Eur., BP, USP, FCC, E262, 99.0-101.0% (calc. to the dried substance), ≤0.00002% Al	"	1KG	06	
07	Oxalic acid dihydrate puriss. p.a., ACS reagent, reagent ISO, reagent Ph. Eur., ≥99.5% (manganometric)	"	250G	07	
08	Taka-Diastase from <i>Aspergillus oryzae</i> powder, slightly beige, ~100 U/mg storage temp. 2-8°C	Drug Lab.	100G	08	
09	Potassium hexacyanoferrate(III) ACS reagent, ≥99.0% Synonym: Potassium ferricyanide	"	500G	09	

10	Sodium hydroxide puriss. p.a., ACS reagent, K ≤0.02%, ≥98.0% (T), pellet	"	1KG	10	
11	Potassium hydroxide AR, pellets, ≥85% Synonym: Caustic potash	"	500G	11	
12	Calcium hydroxide ACS reagent, ≥95.0%	"	100G	01	
13	Ammonium hydroxide solution puriss. p.a., reagent ISO, reagent Ph. Eur., ~25% NH3 basis Synonym: Ammonia aqueous, Ammonia water, storage temp. 2-8°C	"	2.5L	01	
14	Tetrabutylammonium phosphate monobasic puriss., ≥99.0% (T)	"	1G	02	
15	Ethanol (HPLC Grade)	"	2.5L	01	
16	Acetonitrile CHROMASOLV®, for HPLC, gradient grade, ≥99.9%	Drug Lab.	2.5L	02	
17	Methanol CHROMASOLV®, gradient grade, for HPLC, ≥99.9%	"	2.5L	02	

## Lot-02-Consumables.

01	<b>Conical Flasks,</b> Graduated, Conical, Erlenmeyer, Narrow Mouth, <b>Approx O.D x Height: (85X140) mm,</b> <b>Approx Neck O.D: 34 mm</b>	Drug. Lab.	250 ml	10	
02	Ascentis® Express C18, 2.7 Micron HPLC Column 2.7 µm particle size, L × I.D. 15 cm × 4.6 mm feature endcapped limit 60 °C temp. range application(s) HPLC: suitable L × I.D. 15 cm × 4.6 mm impurities <5 ppm metals matrix <b>Fused-Core</b> <b>particle platform</b> matrix active group C18 (octadecyl) phase particle size 2.7 µm pore size 90 Å operating pH 2 - 9 <b>suitability suitable for L1 per USP</b> <b>mode of chromatography Reversed</b> <b>phase</b>	"	1EA	01	

**Lot-03 : Refrigerator.**

A.	Refrigerator 20 CFT Model: <b>Specification</b> Cooling Effect : Freezer Cabinet Less than-18°C Refrigerator Cabinet 0° C to + 5°C. <b>Capacity :</b> » Gross Volume(Outer Dimension) 20 cft. » Gross Volume 385 Ltr. » Net Volume 365 Ltr.	Drug Lab.	1EA	01	
B.	Refrigerator 4CFT Model: <b>Specification</b> » 3.5 Cubic Foot Freezer (Stainless Steel) » CFC Free. » 1 Door Configuration-Top Door for Freezer. » Adjustable Thermostat and Compressor Cooling for performance even in hot weather. » Space Saving Flush Back Design.	"	1EA	01	

## 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
1	2	3
<b>Lot -01: Chemicals.</b>		
01	Thiamine Hydrochloride (B1) analytical standard Synonym: Aneurine hydrochloride, Thiamine hydrochloride, Vitamin B1 hydrochloride	
02	Riboflavin (B2) analytical standard Synonym: (-)-Riboflavin, Lactoflavin, Vitamin B2, Vitamin G	
03	Sodium hexanesulfonate ≥98% (elemental analysis) Synonym: 1-Hexanesulfonic acid sodium salt	
04	Sodium bicarbonate puriss., meets analytical specification of Ph. Eur., BP, USP, FCC, E500, 99.0-100.5%, powder Synonym: Sodium hydrogen carbonate	
05	Potassium phosphate dibasic reagent grade, ≥98.0%	

06	Sodium acetate trihydrate puriss., meets analytical specification of Ph. Eur., BP, USP, FCC, E262, 99.0-101.0% (calc. to the dried substance), ≤0.00002% Al	
07	Oxalic acid dihydrate puriss. p.a., ACS reagent, reagent ISO, reagent Ph. Eur., ≥99.5% (manganometric)	
08	Taka-Diastase from <i>Aspergillus oryzae</i> powder, slightly beige, ~100 U/mg storage temp. 2-8°C	
09	Potassium hexacyanoferrate(III) ACS reagent, ≥99.0% Synonym: Potassium ferricyanide	
10	Sodium hydroxide puriss. p.a., ACS reagent, K ≤0.02%, ≥98.0% (T), pellet	
11	Potassium hydroxide AR, pellets, ≥85% Synonym: Caustic potash	
12	Calcium hydroxide ACS reagent, ≥95.0%	
13	Ammonium hydroxide solution puriss. p.a., reagent ISO, reagent Ph. Eur., ~25% NH <sub>3</sub> basis Synonym: Ammonia aqueous, Ammonia water, storage temp. 2-8°C	
14	Tetrabutylammonium phosphate monobasic puriss., ≥99.0% (T)	
15	Ethanol (HPLC Grade)	
16	Acetonitrile CHROMASOLV®, for HPLC, gradient grade, ≥99.9%	
17	Methanol CHROMASOLV®, gradient grade, for HPLC, ≥99.9%	

**Lot-02-Consumables.**

01	<p><b>Conical Flasks,</b>            Graduated, Conical, Erlenmeyer,            Narrow Mouth,  <b>Approx O.D x Height: (85X140)            mm, Approx Neck O.D: 34 mm</b></p>	
02	<p>Ascentis® Express C18, 2.7            Micron HPLC Column 2.7 µm            particle size, L x I.D. 15 cm x 4.6            mm feature endcapped limit 60            °C temp. range application(s)            HPLC: suitable            L x I.D. 15 cm x 4.6 mm            impurities &lt;5 ppm metals matrix  <b>Fused-Core particle platform</b>            matrix active group C18            (octadecyl) phase particle size            2.7 µm pore size 90 Å operating            pH 2 - 9 <b>suitability suitable for</b>  <b>L1 per USP mode of</b>  <b>chromatography Reversed</b>  <b>phase</b></p>	

**Lot-03 : Refrigerator.**

A.	<p>Refrigerator 20 CFT            Model:  <b>Specification</b>            Cooling Effect : Freezer Cabinet            Less than-18°C Refrigerator            Cabinet 0° C to + 5°C.  <b>Capacity :</b>            » Gross Volume(Outer Dimension)            20 cft.            » Gross Volume 385 Ltr.            » Net Volume 365 Ltr.</p>	
B.	<p>Refrigerator 4CFT            Model:  <b>Specification</b>            » 3.5 Cubic Foot Freezer            (Stainless Steel)            » CFC Free.            » 1 Door Configuration-Top Door            for Freezer.            » Adjustable Thermostat and            Compressor Cooling for            performance even in hot            weather.            » Space Saving Flush Back            Design.</p>	