

**Project title:**  
**Development of blood based Biomarker from Cell free DNA (cf DNA)**  
**for diagnosis Breast Cancer.**  
**Project and fund provided by: Ministry of Education.**

### REQUEST FOR QUOTATION

For

Supply, Installation, testing and commissioning of Equipment, consumables and chemicals for the Genetic Engineering and Biotechnology Research Laboratory, Centre for Advanced Research in Sciences (CARS), University of Dhaka, Dhaka-1000

**Memo No: 206(38)/6/RFQ-1/2018-2019**

**Date: 19.11.2018**

To

1. The Ministry of Education has been allocated public funds for development and intends to apply a portion of the funds to eligible payments under the Contract for which this Quotation Document is issued.
2. Detailed Specifications and, Design & Drawings for the intended Goods and related services shall be available in the office of the Procuring Entity for inspection by the potential Quotationers during office hours on all working days.
3. Quotation shall be prepared and submitted using the 'Quotation Document'.
4. Quotation shall be completed properly, duly signed-dated each page by the authorized signatory and submitted by the date to the office as specified in **Para 6** below.
5. No Securities such as Quotation Security (i.e. the traditionally termed Earnest Money, Tender Security) and Performance Security shall be required for submission of the Quotation and delivery of the Goods (if awarded) respectively.
6. Quotation in a sealed envelope shall be submitted to the office of the undersigned **on or before 12.00 noons** 26.11.2018. The envelope containing the Quotation must be clearly marked "Quotation for **Equipment, consumables and chemicals** and **DO NOT OPEN** before 12:30PM, 26.11.2018. Quotations received later than the time specified herein shall not be accepted.
7. Quotations received by fax or through electronic mail shall be sealed-enveloped by the Procuring Entity duly marked as stated in **Para 7** above and, all Quotations thus received shall be sent to the Evaluation Committee for evaluation, without opening, by the same date of closing the Quotation.

8. The Procuring Entity may extend the deadline for submission of Quotations on justifiably acceptable grounds duly recorded subject to threshold of ten (10) days pursuant to Rule 71 (4) of the Public Procurement Rules, 2008.
9. All Quotations must be valid for a period of at least 60days from the closing date of the Quotation.
10. No public opening of Quotations received by the closing date shall be held.
11. Quotationer's rates or prices shall be inclusive of profit and overhead and, all kinds of taxes, duties, fees, levies, and other charges to be paid under the Applicable Law, if the Contract is awarded.
12. Rates shall be quoted and, subsequent payments under this Contract shall be made in Taka currency. The price offered by the Quotationer, if accepted shall remain fixed for the duration of the Contract.
13. Quotationer shall have legal capacity to enter into Contract. Quotationer, in support of its qualification shall be required to submit certified photocopies of latest documents related to valid **Trade License**, **Income Tax Clearance certificate**, **VAT Registration Number** and **Financial Solvency Certificate** from any scheduled Bank; without which the Quotation may be considered non-responsive.
14. Quotations shall be evaluated based on information and documents submitted with the Quotations, by the Evaluation Committee and, at least three (3) responsive Quotations will be required to determine the lowest evaluated responsive Quotations for award of the Contract.
15. In case of anomalies between unit rates or prices and the total amount quoted, the unit rates or prices shall prevail. In case of discrepancy between words and figures the former will govern. Quotationer shall remain bound to accept the arithmetic corrections made by the Evaluation Committee.
16. The supply of Goods and related services shall be completed within 7 days from the date of issuing the Purchase Order.
17. The Purchase Order that constitutes the Contract binding upon the Supplier and the Procuring Entity shall be issued within 3 days of receipt of approval from the Approving Authority.
18. The Procuring Entity reserves the right to reject all the Quotations or annul the procurement proceedings.

Signature of the official inviting Quotation

Name Dr. Gazi Nurun Nahar Sultana

Designation: Chief Scientist and Principal Investigator

Date:

Address: Genetic Engineering and Biotechnology Research Laboratory,  
Center for Advanced Research in Sciencis (CARS)  
University of Dhaka, Dhaka-1000.

1. Notice Board.
2. Office File.
3. CARS website.

## Quotation Submission Letter

Memo No: 206(38)/6/OTM-1/2018-2019/

Date: 19/11/2018

To:

Dr. Gazi Nurun Nahar Sultana  
Chief Scientist and Principal Investigator  
Genetic Engineering and Biotechnology Research Laboratory,  
Center for Advanced Research in Sciencis (CARS), University of Dhaka, Dhaka-1000.

I/We, the undersigned, offer to supply in conformity with the Terms and Conditions for delivery of the Goods and related services named Equipment, consumables and chemicals. The total Price of my/our Quotation is BDT: (In words: taka only) My/Our Quotation shall remain valid for the period stated in the RFQ Document and it shall remain binding upon us and, may be accepted at any time prior to the expiration of its validity period.

I/We declare that I/we have the legal capacity to enter into a contract with you, and have not been declared ineligible by the Government of Bangladesh on charges of engaging in corrupt, fraudulent, collusive or coercive practices. Furthermore, I/we am/are aware of Para 21(b) of the Terms and Conditions and pledge not to indulge in such practices in competing for or completion of delivery of Goods.

I/We am/are not submitting more than one Quotation in this RFQ process in my/our own name or other name or in different names. I/We understand that the Purchase Order issued by you shall constitute the Contract and will be binding upon me/us.

I/We have examined and have no reservations to the RFQ Document issued by you on 04/06/2014

I/We understand that you reserve the right to reject all the Quotations or annul the procurement proceedings without incurring any liability to me/us.

Signature of Quotationer with Seal

Date:

## Price Schedule for Goods and Related Services

Memo No: 206(38)/8 RFQ /-1/2018-2019/

Date: 19.11.2018

Sl no	Item no	Description of Items	Unit of Measurement	Quantity	Unit Rate or Price		Total Amount		Destination for Delivery of Goods
					In figure	In words	In figure	In words	
Lot -01	2	3	4	5	6	7	8	9	
		<b>Equipment</b>							
01	01	Table Top Fluorometer	No's	01					Genetic Engineering and Biotechnology Research Laboratory, Centre for Advanced Research in Sciences (CARS) University of Dhaka, Dhaka-1000
02	02	pH Meter	No's	01					
<b>Lot-02</b>									
		<b>Chemicals and Consumables</b>		--					
01	01	Cell free DNA (cfDNA) Extraction kit from blood plasma	For 50 samples	01					
02	02	DNA purification kit	For 100 samples	01					
03	03	Taq DNA polymerase	500u	04					
04	04	dNTP Mix	No's	04					
05	05	Primers	Base pair	200 bp					
06	06	Sodium perchlorate monohydrate,	500g	01					
07	07	Phenol, Saturated	400 ml	03					
<b>Total Amount for Supply of Goods and related services (inclusive of VAT and all applicable taxes; see Note 2 below)</b>									
Goods to be supplied to					[insert destination of Goods]				
Total Amount in Taka (in words)		<b>Four lac and seventy five thousand taka only</b>							
Delivery Offered		.....days from date of issuing the purchase order							
Warranty Provided		..... months from the date of completion of the delivery , state none if not applicable>							

[insert number] number corrections made by me/us have been duly initialed in this Price Schedule. My/Our Offer is valid until ...../ / ... [insert Quotation Validity date].

<b>Signature of Quotationer with Seal</b>	Date: .....
Name of Quotationer	

**Note:**

1. **Col. 1, 2, 3, 4, 5 and 9 to be filled in by the Procuring Entity and Col. 6, 7 & 8 by the Quotationer.**
2. **Rates or Prices shall include profit and overhead and, all kinds of taxes, duties, fees, levies, and other charges earlier paid or to be paid under the Applicable Law, if the Contract is awarded; including transportation, insurance etc. whatsoever up to the point of delivery of Goods and related services in all respects to the satisfaction of the Procuring Entity.**

## Technical Specification of the Goods Required- Lot-01-Equipment

SI no	Item no	Description of Items	Full Technical Specification and Standards	Country of Origin	Make and Model
1	2	3	4	5	6

SI no	Item no	Description of Items	Full Technical Specification and Standards	Country of Origin	Make and Model
01	01	Table Top Fluorometer	<p><b>Fluorometer</b> with sensitivities up to 40,000 times higher than that of absorbance-based quantitation.</p> <ul style="list-style-type: none"> <li>• <b>Software</b></li> <li>• Need Software to allow data transfer from the Fluorometer to a computer.</li> <li>• Need Software, record of fluorescence measurements for easy assigned and changed by PC</li> </ul> <p><b>Dual Channels:</b> Two fluorescent channels, Blue fluorescence channel: Excitation wavelengths up to 495nm (short pass), emission at 510-580nm.</p> <p>Red fluorescence channel: Excitation wavelengths up to 640nm (640nm short pass), emission at 660–720nm.</p> <p><b>Specificity</b></p> <ul style="list-style-type: none"> <li>• Fluorescence-based nucleic acid quantitation methods need specificity than absorbance-based methods that rely on A260 or A280 measurement.</li> </ul> <p><b>High Sensitivity</b></p> <ul style="list-style-type: none"> <li>• Requires Fluorescence-based nucleic acid quantitation methods quantify target molecule over a wider range of concentrations.</li> </ul> <p><b>Technical Specifications :</b></p> <ul style="list-style-type: none"> <li>• Detectors: Solid state silicon sensor</li> <li>• Linear Dynamic Range : Five (5) orders of magnitude, assay-dependent</li> <li>• Limit of Detection : 1pg/ml double-stranded DNA dsDNA Dye (50pg/ml using standard protocol), 3.9pg/ml RNA using RNA Dye</li> <li>• Wavelengths : Excitation Filters: Red, 640nm short pass; Blue, 495nm short pass, Emission Filters: Red, 660–720nm; Blue, 510–580nm</li> <li>• Calibration Type : Single-point (blank and standard)</li> <li>• Sample Tube : 0.5ml PCR tubes (We recommend Oxygen (Cat.# PCR-05-P)</li> <li>• Automatic Sleep Mode : After 1 hour of inactivity</li> <li>• Power Requirements : 5V, 0.2A maximum</li> <li>• Size : 22.7 × 11.5 × 4.5cm</li> <li>• Weight : 400 grams</li> <li>• Computer Requirements: (for optional Quantus™ Software), Windows® XP, Windows® 7 (32 or 64 bit), .NET Framework 4.0 or later,</li> </ul>	EU/USA/Japan /Equivalent	Have to mention.

SI no	Item no	Description of Items	Full Technical Specification and Standards	Country of Origin	Make and Model
02	02	pH Meter	<b>Specification:</b> pH-range--0.20-20.0 -pH resolution: 0.001/0.01/0.1 -Calibration points- up to 6 Calibration mode: auto buffer recognition with open to edit values -mV, RmV modes-Yes -Display type: Adjustable color graphic LCD -Backlit display-yes -Onscreen text prompts-Step-by-step calibration and guided step instructions -Keypad- Numeric with menu-specific function keys -Methods-10/channel -Data log-2000 with date and time -Calibration log-30 per mode -Identification options Electrode ID, Sample -ID, user ID -External device output-USB (2) -Power supply-Universal, 100-240 VAC, 50-60 Hz.	EU/USA/Japan /Equivalent	Have to mention.

#### LOT-02 Chemicals and Consumables

01	01	cfDNA Extraction kit from blood plasma	For 200 samples, Molecular Biology grade	EU/USA/Japan/Equivalent	
02	02	DNA purification kit	100 samples, Molecular Biology grade	EU/USA/Japan/Equivalent	
03	03	<b>Taq DNA polymerase</b>	(recombinant) Concentration: 500U Store at -20°C, Storage Buffer 25 mM MgCl <sub>2</sub>	EU/USA/Japan /Equivalent	
04	04	<b>dNTP Mix</b>	10mM each, Molecular Biology Grade #R0191 0 2mL Store at -20°	EU/USA/Japan /Equivalent	
05	05	Primers	<b>Self design primers</b> (Will specify during work order)	EU/USA/Japan /Equivalent	
06	06	Sodium perchlorate monohydrate,	Extra pure, NaClO <sub>4</sub> .H <sub>2</sub> O.M=140.46.CAS:	EU/USA/Japan /Equivalent	
07	07	Phenol, Saturated	Phenol, Saturated , pH 6.6/7.9 Biotechnology grade	EU/USA/Japan /Equivalent	

I/We declare to supply Goods and related services offered by me/us fully in compliance with the Technical Specifications and Standards mentioned hereinabove

<b>Signature of Quotationer with Seal</b>	Date:
Name of Quotationer	

**Note:**

- 1. Col. 1, 2, 3 & 4 to be filled in by the Procuring Entity and Col. 5 & 6 by the Quotationer.**
- 2. Specifications are to be filled in by the Procuring Entity. A set of precise and clear specifications is a pre-requisite for Quotations to respond realistically and competitively to the requirements of the Procuring Entity. In the context of competitive Quotations, the specifications shall be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the Goods and related services to be procured. The specifications should require that all items, materials and accessories to be included or incorporated in the Goods be new, unused and of most recent or current models, and that they include or incorporate all recent improvements in design and materials.**
- 3. Technical Specifications of the Goods and related services shall be in compliance with the requirements of the Procuring Entity specified in this document. Quotationer is required to mention make / model (as applicable) of the Goods offered and must attach the appropriate original printed (if not available copied) literature / brochures for the listed items.**



# **Terms and Conditions for Supply of Goods and Payment**

1. Terms and Conditions contained herein shall be binding upon both the Procuring Entity and the Supplier for the purpose of administration and management of this Contract.
2. Implementation and interpretation of these Terms and Conditions shall, in general, be under the purview of the Public Procurement Act, 2006 and the Public Procurement Rules, 2008.
3. The Supplier shall have to complete the delivery in all respects within 6 to 8 weeks of issuing the Purchase Order in conformity with the Terms and Conditions.
4. The Supplier shall be entitled to an extension of the Delivery Schedule if the Procuring Entity delays in receiving the Goods and related services or if Force Majeure situation occurs or for any other reasons acceptable to the Procuring Entity on justifiable grounds duly recorded.
5. All delivery under the Contract shall at all times be open to examination, inspection, measurements, testing, commissioning, and supervision of the Procuring Entity or his/her authorized representative.
6. The Procuring Entity shall check and verify the delivery made by the Supplier in conformity with the Technical Specifications and notify the Supplier of any Defects found.
7. If the Goods are found to be defective or otherwise not in accordance with the specifications, the Procuring Entity may reject the supplies by giving due notice to the Supplier, with reasons.
8. The Supplier shall be entirely responsible for payment of all taxes, duties, fees, and such other levies under the Applicable Law.
9. Notwithstanding any other practice, the payment shall be based on the actual delivery of goods on the basis of the quantity of each item of Goods in accordance with the Priced Schedule and Specifications. 100% of the Contract price of the Goods and related services shall be paid after submission and acceptance of the Delivery Chalan.
10. The Supplier's rates or prices shall be inclusive of profit and overhead and, all kinds of taxes, duties, fees, levies, and other charges to be paid under the Applicable Law.
11. The total Contract Price is BDT..... **[In words]**.
12. The Procuring Entity shall retain or in other words deduct from the Payment due to the Supplier, at the rate of five (10%) percent of the contract price as security Deposit and kept it until expiration of the Warranty Period.
13. The minimum Warranty Period of the Supplies shall be 12 months starting from the date of completion of delivery in the form of submission by the Supplier and acceptance by the Procuring Entity, of the Delivery Chalan.
14. The Security deposit shall be returned to the Supplier within twenty one (21) days after expiry of the Warranty Period.
15. The Supplier shall remain liable to fulfil the obligations pursuant to Rule 40 (5) of the Public Procurement Rules, 2008.
16. The Supplier shall keep the Procurement Entity harmless and indemnify from any claim, loss of property or life to himself/herself, his/her workmen or staff, any staff of the Procurement Entity or any third party while delivering the Goods and related services .

17. Any claim arising out of delivery of Goods and related services shall be settled by the Supplier at his/her own cost and responsibility.
18. Damage to the Goods during the Warranty Period shall be remedied by the Supplier at the Supplier's own cost, if the damage arises from the supply and installation by the Supplier.
19. No modification to Scope of Supply and no Variations to the quantities ordered shall be permissible under any circumstances.
20. The Procuring Entity contracting shall amend the Contract incorporating required approved changes subsequently introduced to the original Terms and Conditions in line with Rules, where necessary.
21. The Procuring Entity may, by written Notice sent to the Supplier, terminate the Contract in whole or in part at any time, if the Supplier:
  - a. Fails to deliver Goods and related services as per Delivery Schedule and Specifications.
  - b. in the judgement of the Procuring Entity, has engaged in any corrupt, fraudulent, collusive or coercive practices in competing for or in delivery of goods and related services.
  - c. Fails to perform any other obligation(s) under the Contract.
22. The Procuring Entity and the Supplier shall use their best efforts to settle amicably all possible disputes arising out of or in connection with this Contract or its interpretation.
23. The Supplier shall be subject to, and aware of provision on corruption, fraudulence, collusion and coercion in Section 64 of the Public Procurement Act, 2006 and Rule 127 of the Public Procurement Rules, 2008.

<p><b>For the Purchaser:</b></p>       <p>(Dr. Gazi Nurun Nahar Sultana)          Chief Scientist and Principal Investigator          Genetic Engineering and Biotechnology Research          Laboratory,          Center for Advanced Research in Sciencis          (CARS), University of Dhaka, Dhaka-1000.</p>	<p><b>For the Supplier:</b></p>       <p>Signature of the Supplier with name Designation</p>
<p>Date</p>	<p>Date</p>