



Department of Biochemistry & Molecular Biology
University of Dhaka

লবণ সহনশীল আধুনিক ধানের জাত উদ্ভাবনে উরি (*Porteresia coarctata*) ধানের সম্ভাবনা উন্মোচন: জীবপ্রযুক্তির ব্যবহার। (Investigating the potential of Uri Dhan (*Porteresia coarctata*), to be the donor of salt tolerance traits for developing highly salt tolerant rice varieties.) (প্রকল্প-458 /368)

Request for Quotation
For
Supply of Laboratory Chemicals/Reagents
Contract Package No: G 2

Request of Quotation No: Ministry of Education/ Ministry of Forest & environment/BCCT/DU/ প্রকল্প-458 /368/Procurement/G 2-2016

Issued on : 04.01.2017

Contract Package No : G 2

Office of the Project Investigator
Department of Biochemistry & Molecular Biology, University of Dhaka

লবণ সহনশীল আধুনিক ধানের জাত উদ্ভাবনে উরি (*Porteresia coarctata*) ধানের সম্ভাবনা উন্মোচন: জীবপ্রযুক্তির ব্যবহার।
(Investigating the potential of Uri Dhan (*Porteresia coarctata*), to be the donor of salt tolerance traits for developing highly salt tolerant rice varieties.) (প্রকল্প-458 /368)

REQUEST FOR QUOTATION
For
Supply of Laboratory Chemicals/Reagents
Contract Package No: G 2

RFQ No: **Ministry of Education/ Ministry of Forest & environment/BCCT/DU/ প্রকল্প-458 /368/Procurement/G 2-2016**

Date: 04/01/2017

To

1. The **Department of Biochemistry & Molecular Biology, University of Dhaka** has been allocated public funds 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 or by fax or through electronic mail shall be submitted to the office of the undersigned **on or before (January 15th, 2017 at 11.30 am)**. The envelope containing the Quotation must be clearly marked Quotation for **Supply of Laboratory Chemicals/Reagents** and **DO NOT OPEN** before **12.00 pm on January 18th, 2017**. 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 6** 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 **30 Days** 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, Tax Identification Number (TIN), 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 **14 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 **2 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: Professor Dr. Zeba Islam Seraj

Designation: Project Investigator

Date: January 4th, 2017

Address: Department of Biochemistry & Molecular Biology University of Dhaka

Phone No: (02) 9661900-59 Ext: 7647, Fax No 880-2-9667222, e-mail: zebai@du.ac.bd

Distribution:

1. Deans, Faculties of Science, Bio-Science, and Engineering and Technology
2. Notice Boards of the Department of Biochemistry & Molecular Biology, University of Dhaka
3. Website; <http://www.pbtlabdu.net/>

4. Office File

Quotation Submission Letter

RFQ No: **Ministry of Education/ Ministry of Forest & environment/BCCT/DU/ প্রকল্প-458 /368/Procurement/ G 2-2016**

Date: 04/01/2017

To
Project Investigator
Department of Biochemistry & Molecular Biology,
University of Dhaka

লবণ সহনশীল আধুনিক ধানের জাত উদ্ভাবনে উরি (*Porteresia coarctata*) ধানের সম্ভাবনা উন্মোচন: জীবপ্রযুক্তির ব্যবহার।
(Investigating the potential of Uri Dhan (*Porteresia coarctata*), to be the donor of salt tolerance traits for developing highly salt tolerant rice varieties.)

I/We, the undersigned, offer to supply in conformity with the Terms and Conditions for delivery of the Goods and related services named **Supply of Laboratory Chemicals/Reagents**

The total Price of my/our Quotation is BDT =

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 [insert date]

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

RFQ No: **Ministry of Education/ Ministry of Forest & environment/BCCT/DU/ প্রকল্প-458 /368/Procurement/ G 2-2016** Date: insert date (dd/mm/yy)

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

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	
1	2	3	4	5	6	7	8	9
	1.	Chloroform	1	As per require ment				3rd Floor, Room no. 409 Department of Biochemistry & Molecular Biology, University of Dhaka
	2.	Isoamyl alcohol	1					
	3.	Sulfuric acid	1					
	4.	Hydrochloric acid fuming	3					
	5.	Acetone	4					
	6.	Glycerol	1					
	7.	acetic acid	1					
	8.	acetosyringone	1					
	9.	NaOH	1					
	10.	Temed	1					
	11.	Potassium biphosphate (K ₂ HPO ₄)	1					
	12.	EDTA	1					
	13.	Thiobarbituric acid (TBA)	1					
	14.	Diethylpyrocarbonate (DEPC)	1					
	15.	Potassium Iodide (KI)	1					
	16.	Copper sulfate (CuSO ₄ .5H ₂ O)	1					
	17.	cobalt chloride (COCl ₂ .6H ₂ O)	1					
	18.	Spectinomycin	1					
	19.	1-Naphthaleneacetic acid (NAA)	1					
	20.	6-Benzylaminopurine (BAP)	1					
	21.	Thiamine	1					
	22.	Gibbrelic acid (GA)	2					
	23.	Phytigel	1					
	24.	Yeast extract	1					
	25.	Mannitol	1					
	26.	Casein Hydrolysate	1					
	27.	Sucrose	1					

28.	myo- inositol	1					
29.	Glucose	1					
30.	PIPES	1					
31.	NaCl	1					
32.	Nicotinic acid	1					
33.	Pyridoxine	1					
34.	Aniline blue	1					
35.	Carmine	1					
36.	TRIS	1					
37.	Trichloroacetic acid (TCA)	1					
38.	Phenol	10					
39.	Manganise sulfate (MnSO4.2H2O)	1					
40.	Boric acid (H3B03)	1					
41.	Zinc sulfate (ZnSO4.7H2O)	1					
42.	Amplicillin	1					
43.	Kanamycin	1					
44.	Carbenicillin	1					
45.	Indole-3-butyric acid (IBA)	1					
46.	2,4-Dichlorophenoxyacetic acid (2, 4 D)	1					
47.	SDS	1					
48.	APS	1					
49.	Ferous sulfate (FeSO4.7H2O)	1					
50.	PEG (800)	1					
51.	propan-2-ol	1					
52.	Sodium molybdate dihydrate (NaMOO4.2H2O)	1					
53	Gel Extraction Kit	1					
54	Plasmid isolation	1					
Total Amount for Supply of Goods and related services (inclusive of VAT and all applicable taxes; see Note 2 below)						In figure	
						In words	
Goods to be supplied to			লবণ সহনশীল আধুনিক ধানের জাত উদ্ভাবনে উরি (<i>Porteresia coarctata</i>) ধানের সম্ভাবনা উন্মোচন: জীবপ্রযুক্তির ব্যবহার। (Investigating the potential of Uri Dhan (<i>Porteresia coarctata</i>), to be the donor of salt tolerance traits for developing highly salt tolerant rice varieties.) (প্রকল্প-458 /368) Department of Biochemistry & Molecular Biology, University of Dhaka				
Total Amount in Taka (in words)							

Delivery Offered	[insert weeks/days] from date of issuing the Purchase Order]
Warranty Provided	[insert weeks/months from date of completion of the delivery; state none if not applicable]

Signature of Quotationer with Seal	Date: dd/mm/yy
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

Sl no	Item no	Description of Items	Full Technical Specification and Standards	Country of Origin	Make and Model
1	2	3	4	5	6
	1.	Chloroform	1. Using as solvent and reagent in DNA isolation.		
	2.	Isoamyl alcohol	1. Using as solvent and reagent in DNA isolation. 2. Using in DNA and RNA purification.		
	3.	Sulfuric acid	1. Using in the production of cleaning agents, dyes, pigments and detergents.		
	4.	Hydrochloric acid fuming	1. Using in pH Control and neutralization. 2. Regeneration of ion exchanger and demineralized water.		
	5.	Acetone	1. Using as solvent and reagent.		
	6.	Glycerol	1. Using as solvent and humectant.		
	7.	Acetic acid	1. Using as organic solvent.		
	8.	Acetosyringone	1. Using in a signal attracting and transforming unique, oncogenic bacteria in genus <i>Agrobacterium</i> . 2. Allow higher transformation efficiency in plants		
	9.	NaOH	1. Tissue digestion and pH Control and neutralization.		
	10.	Temed	1. Preparing gel for		

			electrolysis.		
11.	Potassium biphosphate (K ₂ HPO ₄)		1. Using as buffering agent.		
12.	EDTA		1. Using as chelating agent		
13.	Thiobarbituric acid (TBA)		1. Using as an agent for the measurement of fat oxidation		
14.	Diethylpyrocarbonate (DEPC)		1. To inactivate RNase enzymes in water and on laboratory utensils 2. Using in handling of RNA in the laboratory to reduce the risk of RNA being degraded by RNases.		
15.	Potassium Iodide (KI)		1. Using as a qualitative indicator for starches		
16.	Copper sulfate (CuSO ₄ .5H ₂ O)		1. <i>Using</i> in the Biuret reagent to test for proteins.		
17.	cobalt chloride (COCl ₂ .6H ₂ O)		1. <i>Using</i> for the detection of moisture.		
18.	Spectinomycin		1. Using in Tissue culture.		
19.	1-Naphthaleneacetic acid (NAA)		1. A rooting agent and used for the vegetative propagation of plants from stem and leaf cutting. 2. It is also used for plant tissue culture.		
20.	6-Benzylaminopurine (BAP)		1. Elicits plant growth and development responses, setting blossoms and stimulating fruit richness by stimulating cell division.		

			2. It is also used for plant tissue culture.		
21.	Thiamine		1. Using in Tissue culture.		
22.	Gibberellic acid (GA)		1. Wide hybridization and tissue culture.		
23.	Phytigel		1. Aids in detection of microbial contamination. 2. Phytigel provides an economical alternative to agar as a gelling agent.		
24.	Yeast extract		1. Media preparation.		
25.	Mannitol		1. Media preparation and tissue culture for propagation.		
26.	Casein Hydrolysate		1. Media preparation.		
27.	Sucrose		1. Using as a preservative and component of media preparation.		
28.	myo- inositol		1. Serves to store and transport an important group of plant hormones, called auxins.		
29.	Glucose		1. Media preparation.		
30.	PIPES		1. Used as organic based buffer and also in tissue culture.		
31.	NaCl		1. Making artificial sea water and media preparation.		
32.	Nicotinic acid		1. Help plant growth in <i>tissue culture</i> .		

33.	Pyridoxine	1. Elicits growth and morphogenesis of plant <i>tissue</i> cultures.
34.	Aniline blue	1. Using in differential staining.
35.	Carmine	1. Using in differential staining.
36.	TRIS	1. Component of buffer solutions.
37.	Trichloroacetic acid (TCA)	1. Using in biochemistry for the precipitation of macromolecules, such as proteins, DNA, and RNA.
38.	Phenol	1. DNA isolation
39.	Manganese sulfate (MnSO ₄ .2H ₂ O)	1. <i>Using in plant cell culture experiments and artificial sea water preparation.</i>
40.	Boric acid (H ₃ B ₃ O ₃)	1. Using in the laboratory as buffer for gel. 2. Using for DNA and RNA polyacrylamide and agarose gel electrophoresis.
41.	Zinc sulfate (ZnSO ₄ .7H ₂ O)	1. Used in Plant tissue culture.
42.	Ampicillin	1. Media preparation and tissue culture.
43.	Kanamycin	1. Media preparation and tissue culture.
44.	Carbenicillin	1. Media preparation and tissue culture.
45.	Indole-3-butyric acid (IBA)	1. Using in tissue culture 2. Solutions of IBA are used for rooting of plant cuttings, transplanting of rooted plants.

46.	2,4-Dichlorophenoxyacetic acid (2, 4 D)	1. Callus proliferation and morphogenesis in <i>tissue cultures</i> .		
47.	SDS	1. Using in denaturing polyacrylamide gel electrophoresis for the determination of protein molecular weight.		
48.	APS	1. Using in Polyacrylamide gel electrophoresis (PAGE)		
49.	Ferrous sulfate (FeSO ₄ .7H ₂ O)	1. Using as a crystalline substance and drought stress supplement		
50.	PEG (800)	1. <i>Using as an excipient.</i>		
51.	propan-2-ol	1. <i>Using as both solvent and hydride source.</i>		
52.	Sodium molybdate dihydrate (NaMOO ₄ .2H ₂ O)	1. <i>Using to provide plants with a readily available supply of molybdenum.</i>		
53.	Gel Extraction Kit	1. For purification of PCR product.		
54.	Plasmid isolation kit	1. Isolation of high quality and quantity plasmid		

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

Signature of Quotationer with Seal

Date: dd/mm/yy

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.

Office of the Project Investigator

লবণ সহনশীল আধুনিক ধানেরজাত উদ্ভাবনে উরি (*Porteresia coarctata*) ধানের সম্ভাবনা উন্মোচন: জীবপ্রযুক্তির ব্যবহার।
(Investigating the potential of Uri Dhan (*Porteresia coarctata*), to be the donor of salt tolerance traits for developing highly salt tolerant rice varieties.) (প্রকল্প-458 /368)

Department of Biochemistry, University of Dhaka

PURCHASE ORDER FOR THE SUPPLY OF GOODS

[Supply of Laboratory Chemicals/Reagents]

Purchase Order No. _____

Date: dd/mm/yy

RFQ NO: Ministry of Education/Ministry of Forest & environment/ BCCT/DU/প্রকল্প-458 /368/Procurement/G 2-2016	Date: dd/mm/yy
To: [name and address of the Supplier]	
Delivery Date: [insert completion date]	Order Value:TK. [insert Contract Price]
Delivery: As per Terms and Conditions	

The Purchaser has accepted your Quotation dated [insert date] for the supply of Goods and related services as listed below and requests that you supply the Goods and related services within the delivery date stated above, in the quantities and units in conformity with the Technical Specifications under the Terms and Conditions as annexed.

ORDER ITEMS

Attached Certified photocopy of approved Priced Schedule for Goods and related services
Attached Certified photocopy of approved Technical Specification of the Goods Required
Attached Certified photocopy of Terms and Conditions

For the Purchaser:
Signature of the Procuring Entity with name and Designation

Date

Attachments: As stated above

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 14 days 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 [insert figure][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 (05%) 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 [06 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.

For the Purchaser:

Signature of the Procuring Entity with name and Designation

Name: Dr. Zeba Islam Seraj,
 Designation: Project investigator
 Professor, Department of Biochemistry & Molecular Biology
 University of Dhaka

Date

For the Supplier:

Signature of the Supplier with name Designation

Date