REQUEST FOR QUOTATIONS

FOR

SUPPLY OF EQUIPMENT ON AIR QUALITY MONITORING FOR MUNICIPALITY OF ULAANBAATAR, MONGOLIA

Client: THE MUNICIPALITY OF ULAANBAATAR

Country: MONGOLIA

Project: ULAANBAATAR CLEAN AIR PROJECT

Contract No: WPLT-03

Issued on: February 27, 2018
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INVITATION TO QUOTE

Project Name: **Ulaanbaatar Clean Air Project**

Credit Number: **IDA 5039-MN**

Contract Number: **WPLT-03**

Regarding: Supply of equipment on air quality monitoring for Municipality of Ulaanbaatar, Mongolia

Gentlemen/Ladies:

1. You are invited to submit your price quotation(s) for the supply of the following items:

<table>
<thead>
<tr>
<th>No.</th>
<th>Equipment Description</th>
<th>Quantity</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>I/O Expander</td>
<td>4 Complete set of packages</td>
<td>See below for technical specifications</td>
</tr>
</tbody>
</table>

2. Information on technical specifications is contained in Attachment 1.

3. The Government of Mongolia (the Recipient) has received financing from the International Development Association (IDA) (the “Bank”) in the form of a credit toward the cost of Ulaanbaatar Clean Air Project. The Project Management Unit, an implementing agency of the Municipality of Ulaanbaatar (“the Client”) intends to apply a portion of the proceeds of this credit to eligible payments under the contract for which this Request for Quotation is issued.

4. You must quote for all the items under this Invitation. Price quotations will be evaluated for all the items together and contract awarded to the firm offering the lowest evaluated total cost of all the items.

5. Your quotation in the required format should be addressed to:

   Project Management Unit, Ulaanbaatar Clean Air Project,
   Room No 602, 6th Floor, Azmon Center,
   Enkhtaivan Avenue 50, Khoroo No 1, Sukhbaatar District,
   Ulaanbaatar, Mongolia,
   Tel/Fax: +976-11-312194
   E-mail: doljin@usip.mn;

6. Your quotation in English language should be accompanied by adequate technical documentation and catalogue(s) and other printed material or pertinent information (in English language) for each item quoted, including names and addresses of firms providing services facilities in Mongolia.

7. The deadline for receipt of your quotation is 3.00 pm (Ulaanbaatar time), March 12, 2018.

8. Alternative quotations shall not be allowed.

9. Other Conditions of Supply are as follows:

   (i) **PRICES** shall be quoted in USD

   (ii) **VALIDITY** your quotation should be valid for a period of 45 days from the date of your quotation.
(iii) **EVALUATION AND AWARD OF PURCHASE ORDER:** Offers determined to be substantially responsive to the technical specifications will be evaluated by comparison of their prices and the evaluation criteria specified below. The award will be made to the firm offering the lowest evaluated price and that meets the required standards of technical and financial capabilities. Taxes (VAT) and any other local duties should be quoted separately.

(iv) Other conditions are included in the Conditions of Supply.

(v) **EVALUATION CRITERIA:** A Bidder designated as an Agent shall satisfy the following criteria in order to be qualified for an Award of Contract:

- As a proof of Financial and Technical Capability the bidder shall provide copies of the latest three years’ (2015, 2016, 2017) audited Balance Sheets
- Bidder shall have experience on supply of similar equipment (air quality monitoring) under at least two contracts and contract review acts

10. Further information can be obtained from the address above.

- Deadline of receiving clarifications about bidding documents shall not be less than 5 days prior to the bid submission deadline
- In addition to the original Bid, the number of copies is: One (1) soft copy on USB flash drive

Sincerely,

N. Bayartogtokh  
Coordinator, Project Management Unit

**Enclosures:**

- Attachment 1: Technical Requirements  
- Attachment 2: Conditions of supply  
- Attachment 3: Form of Quotation  
- Attachment 4: Purchase Order  
- Attachment 5: Advance Payment Security  
- Attachment 6: Manufacturer's Authorization
ATTACHMENT 1: TECHNICAL REQUIREMENTS

Project Name: **Ulaanbaatar Clean Air Project**
Credit Number: **IDA 5039-MN**
Contract Number: **WPLT-03**

1. **Equipment name: I/O Expander**

This equipment supplied and installed at the existing monitoring stations which is operating by Air pollution reduction agency of Municipality of Ulaanbaatar for air quality monitoring and measurement.

**Technical data**

<table>
<thead>
<tr>
<th>Database</th>
<th>8640 short term average (1 - 60min)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8640 long term average (5min - 24h)</td>
</tr>
<tr>
<td></td>
<td>1200 calibration data</td>
</tr>
<tr>
<td></td>
<td>400 messages</td>
</tr>
</tbody>
</table>

| Interfaces                                     | Ethernet 10/100 MBit, TCP/IP         |
|                                                | 8+2 RS232 (expandable to 18)         |
|                                                | 16 analogue inputs, 0(4) - 1(10)V, 16bit |
|                                                | 8 digital inputs (optocoupler expandable to 40/72) |
|                                                | 4 relay outputs contacts (expandable to 20/36) |

| Method of calculation                          | Arithmetic average value             |
|                                                | Vector mean                           |
|                                                | Sum computation                       |
|                                                | Last value in the averaging interval |
|                                                | and further method of calculation    |

| Ambient temperature                            | 0 - 40°C                             |
| Power                                          | 110 - 230VAC 50/60Hz ca.30VA          |

**LIST OF EQUIPMENT BY PRODUCT AND ITS TECHNICAL REQUIREMENTS**

Special technical requirement

As current equipment at air quality monitoring stations are HORIBA equipment APSA-370A, APNA-370, APMA 360, APMA-370, APOA-370, BAM1020-9800 PM2.5 PM10 from Japan and EDM180 of GRIMM from Germany, the supplied IO- expanders shall have common interface and operate as one integrated system.
**Additional requirements to the Supplier**

<table>
<thead>
<tr>
<th>Installation and Connection</th>
<th>1. The Goods will be installed in the monitoring stations operating by the Air pollution reduction agency of Municipality of Ulaanbaatar.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Installation /connection shall be done by the Suppliers representative</td>
</tr>
<tr>
<td></td>
<td>3. Connection to the existing equipment and its testing and calibration shall be done.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Installation and operation manual</th>
<th>Shall be provided in English and Mongolian language with 2 copies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training</td>
<td>Onsite training shall be done by the Suppliers</td>
</tr>
</tbody>
</table>

Any of items supplied under contract having deviations from defined under these Specifications shall be rejected.
ATTACHMENT 2: CONDITIONS OF SUPPLY

Project Name: Ulaanbaatar Clean Air Project
Credit Number: IDA 5039-MN
Contract Number: WPLT-03

1. Prices and Schedules for Supply

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Unit Price*</th>
<th>VAT</th>
<th>Total Price inc VAT**</th>
<th>Delivery Date***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>I/O Expander</td>
<td>4 sets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Prices include the cost of delivering the goods to the place of final destination (Ulaanbaatar, Mongolia)

** In case of discrepancy between unit price and total derived from unit price, unit price shall prevail

*** In case of deviations supplier to list all such deviations

Spare Parts } Specify, necessary spare parts
Tools and Accessories } Specify, standard tools and accessories
Manuals } Provide manual in both English and Mongolian
Maintenance Requirements } Provide maintenance requirements in English
Training } Specify needed training

2. Fixed Price: The prices indicated above are firm and fixed and not subject to any adjustment during contract performance.

3. Advance Payment: Ten (10) percent of the Contract Price shall be paid after signing of the Contract, and upon submission of claim and a bank guarantee for equivalent amount valid until the Goods are delivered and in the form provided in the bidding documents or another form acceptable to the Purchaser.

4. Payment procedure: On shipment: Eighty (80) percent of the Contract Price of the Goods shipped shall be paid within thirty (30) days upon completion of custom clearance for the Goods delivered to Ulaanbaatar Custom Warehouse.

   On Acceptance: Ten (10) percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods in Purchaser’s final destination and submission of claim supported by the acceptance certificate issued by the Purchaser.

5. Delivery prices should be quoted for delivery CIP Ulaanbaatar port for imported goods according to INCOTERMS, 2010. CIP includes insurance, tax, and other related expenses to the final destination.

6. Delivery Schedule shall be two (2) months from the Contract signing.

7. Final Destination: Air pollution reduction agency of Municipality, Mongolia, Ulaanbaatar city, Chingeltei district, Jigjidjav street-9, Khangard Palace, Floor-10, Room 1003, 1004

8. Warranty Goods offered should be covered by the Manufacturer’s warranty at least 12 months from the date of delivery to purchaser. Please specify period and terms in detail.

9. Origin Goods offered should have their origin from the World Bank member countries and you will be required to furnish a certificate of origin for each item for which you quote.
(i) The Supplier shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirements:

- The Bidder has to submit the manufacturer letter and/or Manufacturer’s authorization letter.

10. Quality Assurance

- All goods manufacturer is required to be ISO Quality System ISO 9001:2000 registered. Please specify in detail.

- Certificate of compliance shall be supplied by the manufacturers which states compliance to these Specifications as to material content and good workmanship, and such certificate shall accompany any shipment, with copies (as directed) to the Purchaser's Representative.

11. Packaging and Marking Instructions:

All goods shall be packaged suitable for truck transport, rail transport and ocean transport. Each goods shall be suitably strapped to timber cleats using steel strapping or alternative method that will provide reasonable protection during transport and transshipment.

Packaging shall allow the lifting of each bundle with either a forklift or overhead crane without the use of special rigging. Packaging will allow for lifting without displacing the crating material.

Loose materials shall be securely packaged in suitably sized plywood boxes and sealed for truck, rail, and ocean transport. Lifting and stacking requirements will be the same as for pipe bundles.

All bundles and packages shall be marked with the following:

Goods will be supplied and installed at air quality monitoring stations operating by the Air pollution reduction agency of Municipality of Ulaanbaatar, Mongolia, Contract no.WPLT-03

To: Air pollution reduction agency department of Municipality

Address: Mongolia, Ulaanbaatar city, Chingeltei district, Jigjidjav street-9, Khangard Palace, Floor-10, Room 1003, 1004

12. Required technical specifications and documents:

2. General descriptions
3. Catalogues and brochures
4. Specific details and technical standards
5. Performance Parameters / The Manufacturer’s factory inspection report and certificate in compliance with requirements showing date of manufacture of Goods
6. Manuals / User guidelines in both languages of English and Mongolian

13. Other required documents:

1. Manufacturer’s warranty certificate
2. Certificates of origin
3. Maintenance Requirements
4. List of Spare Parts Required
5. Manufacturer Authorization letter
14. **Failure to Perform**: The Purchaser may cancel the Purchase Order if the Supplier fails to deliver the Goods, in accordance with the above Conditions of Supply, in spite of a 7 day notice given by the Purchaser, without incurring any liability to the Supplier.

15. **Liquidated Damages**: Timely delivery is the essence of this contract. Suppliers failing to effect delivery within the contractually agreed period will be subjected to liquidated damages at the rate of 1-2% of contract value per week of delay, not to exceed the ceiling of 10% of the contract amount, provided always that the delay is not attributable to any action of the Purchaser or a “force majeure” situation.

16. **Force Majeure**: The following events may be treated as “force majeure” situations:

   (i) Natural Disaster
   (ii) Acts of Purchaser in its sovereign capacity
   (iii) Wars or revolutions
   (iv) Major fires in suppliers/manufacturers facilities
   (v) Major epidemics
   (vi) Freight embargoes
   (vii) Civil strife in the manufacturers/suppliers country

   In the event of a “force majeure” the Supplier will promptly inform the Purchaser (in writing) of such a situation and specifically indicate how the situation would affect it performance. The Purchaser and Supplier will then mutually agree on alternative means of performance.

17. **Dispute Resolution**: All disputes will be settled in accordance with the laws applicable in Mongolia.

NAME OF SUPPLIER: ________________________________

Authorized Signature________________________________________

Place:_________________________

Date:_________________________
ATTACHMENT 3: FORM OF QUOTATION

Date: ________________

To: ____________________ (Purchaser’s Name)
   ____________________ (Purchaser’s Address)

We refer to supply the goods ____________________ (brief name of goods) in accordance with the Conditions of Supply accompanying this Quotation for the contract price of ____________________ (amount in words and numbers) in ____________________ (name of currency). We undertake to deliver the goods as indicated in the Conditions of Supply.

We confirm that we are eligible to participate in public procurement and meet the eligibility criteria specified in the Request for Quotations.

The validity period of our quotation is: ________________ days/weeks/months.

We confirm that the prices quoted in the List of Goods and Price Schedule are fixed and firm for the duration of the validity period and will not be subject to revision or variation.

The warranty period offered is ________________ months.

This Quotation and your acceptance in the Purchase order will constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Quotation you receive.

We hereby confirm that this Quotation complies with the validity of the Quotation required by the documents.

Authorized Signature: ________________

Name and Title of Signatory: ________________

Name of Supplier: ____________________

Address: ____________________

Phone Number: ________________

Fax Number: ________________
ATTACHMENT 4: PURCHASE ORDER

Contract No. ____________________________________________

Date ________________________________________________

Name of the Purchaser __________________________________

Address of Purchaser _____________________________________

Telephone No. __________________________________________

Fax No. ________________________________________________

Subject: SUPPLY OF _____________________________________

___________________________________________________________________________

___________________________________________________________________________

___________________________________________________________________________

___________________________________________________________________________

___________________________________________________________________________

___________________________________________________________________________

___________________________________________________________________________

TO: {Please insert Supplier’s name and address}

___________________________________________________________________________

___________________________________________________________________________

___________________________________________________________________________

Dear Sirs:

Your price quotation No. _____________________________________ Dated ___________ for the supply of the above goods is accepted by the Purchaser for an amount of ____________________ as per the attached Technical Specifications and Conditions of Supply.

Please acknowledge receipt within five (5) days from the date of receipt of this Purchase Order.

Sincerely,

Purchaser
ATTACHMENT 5: ADVANCE PAYMENT SECURITY

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: [Insert name and Address of Purchaser]

Date: [Insert date of issue]

ADVANCE PAYMENT GUARANTEE No.: [Insert guarantee reference number]

Guarantor: [Insert name and address of place of issue, unless indicated in the letterhead]

We have been informed that [insert name of Supplier, which in the case of a joint venture shall be the name of the joint venture] (hereinafter called “the Applicant”) has entered into Contract No. [insert reference number of the contract] dated [insert date] with the Beneficiary, for the execution of [insert name of contract and brief description of Goods and related Services] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum [insert amount in figures] () [insert amount in words] is to be made against an advance payment guarantee.

At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of [insert amount in figures] () [insert amount in words] upon receipt by us of the Beneficiary’s complying demand supported by the Beneficiary’s statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:

(a) has used the advance payment for purposes other than toward delivery of Goods; or

(b) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.

A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary’s bank stating that the advance payment referred to above has been credited to the Applicant on its account number [insert number] at [insert name and address of Applicant’s bank].

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Applicant as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, has been certified for payment, or on the [insert day] day of [insert

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1. The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Purchaser.
month], 2 [insert year], whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No.758, except that the supporting statement under Article 15(a) is hereby excluded.

____________________

[signature(s)]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.
ATTACHMENT 6: MANUFACTURER’S AUTHORIZATION

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the BDS.]

Date: [insert date (as day, month and year) of Bid Submission]

Request for Quotation No.: [insert number of bidding process]

Alternative No.: [insert identification No if this is a Bid for an alternative]

To: [insert complete name of Purchaser]

WHEREAS

We [insert complete name of Manufacturer], who are official manufacturers of [insert type of goods manufactured], having factories at [insert full address of Manufacturer’s factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following Goods, manufactured by us [insert name and or brief description of the Goods], and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Conditions of Supply of Contract, with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer]

Name: [insert complete name(s) of authorized representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this Authorization on behalf of: [insert complete name of Bidder]

Dated on ____________ day of __________________, _______ [insert date of signing]