



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

Invitation for Tender (National)

Ref No. CARS/ST/P-269/OTM/AQEPRL/RB/18-19.

Date : ০৬-১১-১৪২৫ বঙ্গাব্দ
18-02-2019 খ্রিষ্টাব্দ

Sealed Tenders are hereby invited from reputed supplier for Supply, Installation, Testing and Commissioning of CO Analyzer for the Air Quality and Environmental Pollution Research Laboratory (AQEPRL) 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 CO Analyzer for the Air Quality and Environmental Pollution Research Laboratory (AQEPRL) | |
| 7. | Invitation Ref No. | CARS/ST/P-269/OTM/AQEPRL/RB/18-19. | |
| 8. | Date : | 18-02-2019 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 CO Analyzer for the Air Quality and Environmental Pollution Research Laboratory (AQEPRL) | |
| 16. | Tender Publication Date | 18-02-2019 খ্রিষ্টাব্দ | |
| 17. | Tender Last Selling Date | 12-03-2019 খ্রিষ্টাব্দ Up to office hours | |
| 18. | Tender Closing Date and Time | Date : | Time: |
| | | 13-03-2019 খ্রিষ্টাব্দ | 12:00 Noon |
| 19. | Tender Opening Date and Time | 13-03-2019 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 submit reasonable documents from the origin of the company for your proposal. (ix) Color catalogue of the Equipment. (x) The Supplier has to avail an expert maintenance team and needed submission of team member's list. | | |
| 23. | Brief Description of Goods | Supply, Installation, Testing and Commissioning of CO Analyzer for the Air Quality and Environmental Pollution Research Laboratory (AQEPRL) | | |
| 24. | Brief Description of Related Services | Supply, Installation, Testing and Commissioning of CO Analyzer for the Air Quality and Environmental Pollution Research Laboratory (AQEPRL) | | |
| 25. | Tender Document Price TK.-4,000.00 | 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 |
| | CO Analyzer | CARS, DU. | CO Analyzer 44,500.00 | 90 days from the date of issuance of Purchase order |
| 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 CO Analyzer 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. | | | |

স্বাক্ষরিত/-

.....

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 |
| CO Analyzer | | | | | |
| 01 | <p>CO Analyzer Specifications : Principle: Non-dispersive infrared (NDIR) absorption technology. Application: CO in ambient air. Range: Standard ranges, 0-10/20/50/100 ppm; 0-5/10/20/50 ppm; auto range~manual range selectable; can be operated by remote switching. Optional: extension of range: 0-100 ppm, within 10 times range ratio. Certified Range: 0- 100 mg/m³ (0- 86 ppm) Lowest Detection Limit (LDL): 0.02 ppm (3δ) Repeatability: ±1.0 % of F.S. Linearity: ±1.0 % of F.S. (± 0,55% of F.S. according to type test). Zero Point: Drift < LDL/Day, < LDL/Month (according to type test). Span Point Drift: < LDL/Day, < LDL/Month (according to type test). Flow Rate: minimum 1.5 L/min Response Time: (T₉₀) < 50 sec. Indication: Large LCD touch-screen display with simultaneous display of all current values, and the status information of the instrument. Readings: Concentration in ppm (ppb) or</p> | No's | 01 | CARS, DU | 90 days from the date of issuance a purchase order. 04 |

| | | | | | |
|----------------------|--|--------|--------|--|--|
| | mg (μg)/m ³ Compensation: Pressure and temperature Languages: English, German, French, and Japanese. Interfaces: With easycomp software by RS-232. Options: Analog output 0-1/10 V or 0(4) - 20 mA Long-term data storage, Calibration units Operating Temperature: 5-40°C Power: 220 VAC, 50 Hz, ca.170 VA Dimensions: 430(B) x 550(T) x 221(H) mm (5HE) | | | | |
| Accessories : | | | | | |
| i. | Disposable Filter Unit (DFU) 9900-05-BK (1/4"/6mm tube ports) | No's | 01 | | |
| ii. | DIAPHRAGM ASSY, FOR vacuum pump | No's | 01 | | |
| iii. | Filter Element : PA-10L ϕ 54*0.5t | 24/set | 01 set | | |
| iv. | Housing: 19" telescopic rails. | 02/set | 01 set | | |
| v. | Rails and mounting brackets for 19"rack mount. | 02/set | 01 set | | |
| vi. | Switching valve for sample gas. | No's | 01 | | |

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

Warranty :

1. Minimum 2 years full warranty from the date of installation (Mandatory).
2. After warranty period free advance maintenance servicing on 1 year interval by local agent's Engineer : 5 years. N.B. – Serial 2 is optional but offer is needed from the suppliers.

▶ Mention if any outstanding support from Local Agent OR Manufacturer with written documents.

Section 7. Technical Specifications.

The Goods and Related Services shall comply with following Technical Specifications:

| Item No | Name of Item or Related Services | Technical Specification and Standards |
|----------------------|--|---------------------------------------|
| » | CARS | Supplier |
| CO Analyzer | | |
| 01 | <p>CO Analyzer Specifications : Principle: Non-dispersive infrared (NDIR) absorption technology. Application: CO in ambient air. Range: Standard ranges, 0-10/20/50/100 ppm; 0-5/10/20/50 ppm; auto range~manual range selectable; can be operated by remote switching. Optional: extension of range: 0-100 ppm, within 10 times range ratio. Certified Range: 0- 100 mg/m³ (0- 86 ppm) Lowest Detection Limit (LDL): 0.02 ppm (3δ) Repeatability: ±1.0 % of F.S. Linearity: ±1.0 % of F.S. (± 0,55% of F.S. according to type test). Zero Point: Drift < LDL/Day, < LDL/Month (according to type test). Span Point Drift: < LDL/Day, < LDL/Month (according to type test). Flow Rate: minimum 1.5 L/min Response Time: (T₉₀) < 50 sec. Indication: Large LCD touch-screen display with simultaneous display of all current values, and the status information of the instrument. Readings: Concentration in ppm (ppb) or mg (µg)/m³ Compensation: Pressure and temperature Languages: English, German, French, and Japanese. Interfaces: With easycomp software by RS-232. Options: Analog output 0-1/10 V or 0(4) - 20 mA Long-term data storage, Calibration units Operating Temperature: 5-40°C Power: 220 VAC, 50 Hz, ca.170 VA Dimensions: 430(B) x 550(T) x 221(H) mm (5HE)</p> | |
| Accessories : | | |
| i. | Disposable Filter Unit (DFU) 9900-05-BK (1/4"/6mm tube ports) | |
| ii. | DIAPHRAGM ASSY, FOR vacuum pump | |
| iii. | Filter Element : PA-10Lφ54*0.5t | |
| iv. | Housing: 19" telescopic rails. | |
| v. | Rails and mounting brackets for 19"rack mount. | |
| vi. | Switching valve for sample gas. | |