

EXPORT INSPECTION COUNCIL OF INDIA

EXPORT INSPECTION AGENCY-KOLKATA

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TENDER NOTICE FOR LAB EQUIPMENT

Sealed quotation is invited from authorised dealers/suppliers for the supply of Atomic Absorption Spectrophotometer with Graphite Furnace under buy back scheme. Quotation may be submitted on or before 8th November 2004 by 15 Hrs. to Deputy Director (A&A), Export Inspection Agency-Kolkata, 14/1B, Ezra Street, Kolkata-700001. The quotation shall be opened on the same day at 15.30 hrs. For details please visit website www.eicindia.org or contact 033-22354606.

**LABORATORY EQUIPMENTS / INSTRUMENTS / ACCESSORIES FOR EXPORT
INSPECTION AGENCY- KOLKATA LABORATORY**

TERMS & CONDITIONS AND INSTRUCTIONS TO QUOTATIONERS

1. **INVITATION**

Sealed quotations are invited for supply of Laboratory Equipments/Instruments /Accessories for the Export Inspection Agency - Kolkata.

2. **APPLICATION REQUIREMENTS**

The details for application requirements are given under uses/application column under Annexure.

3. **SPECIFICATION**

(a) The details of laboratory equipments/instruments/accessories/specification requirements and technical data are provided in Annexure **under buy back System of existing AAS - 203 Chemito make**

(b) If a particular instrument/equipment including accessories is available both indigenously and also imported then offers may be made for both the instrument / accessories i.e. Indigenous and imported separately in India currency.

(c) Equipments /Instruments with latest technology based on software and/or digital display system and /or with printout devices for test results may be given preference.

(d) Equipments /Instrument should be provided with the required calibration certificate wherever applicable.

4. **ALTERNATIVE OFFERS**

(a) If any departure or substitution from the specifications of the equipments contained in Annexure to this quotation document is involved this should be clearly indicated in the quotation.

(b) Offers with alternative/equivalent specifications made should contain sufficient details to show the alternate would equally serve the purpose.

(c) All necessary catalogues/applications vis-a-vis configuration/technical literature/data/application notes/detection limits, etc. As are considered essential for full and correct evaluation of the offers made shall invariably accompany the offers.

5. **ESSENTIAL AND PRE-REQUISITE ACCESSORIES INCLUDING STANDARD REFERENCE MATERIAL ETC.**

Offers shall also include unit prices for essential and pre-requisite accessories, Standard reference Material(Standard Samples), Chemicals, etc. as applicable. Optional accessories and spares necessary for satisfactory operation of the equipments.

- a) for a period of 2 years
- b) for a period of 5 years.

Prices for above mentioned accessories and spares etc. shall be itemised. Offers where only lumpsum prices are indicated are liable to be ignored. Particular care should be

taken to list out each items of spares and quantity recommended and also the individual prices for these items.

6. **PRICES**

- (a) Prices must be stated for each item separately. The percentage of discount , if any, on the each item as well as on total price for the entire demand should be quoted if the order to that extent be placed with the quotationer.
- (b) Price should be for delivery F.O.R Kolkata inclusive of charges such as packaging, forwarding, transit insurance, octroi where applicable . In case of local deliveries F.O.R Kolkata prices shall be deemed to include free delivery at EIA - Kolkata Laboratory.
- (c) Prices quoted must be firm and shall be in Indian currency.

7. **DUTIES & TAXES**

If it is desired to ask for excise duty or any other charges including Octroi and Sales tax to be paid extra, the same must be specifically stated with applicate rates and amount. In the absence of any such stipulation in the quotation it will be presumed that the prices quoted by the quotationer are inclusive of such duties, octroi, taxes and other charges and no liability for such payments will be developed upon purchaser.

8. **VALIDITY OF OFFERS**

Offers made shall remain open for acceptance for 60 days from the last date specified for receipt of offers. If the tenderers are unable to keep their offers open for 60 days , the should specifically state the period for which their offers are open. Tenderers may further note that in the absence of any indication in their tender it will be assumed that their offer will remain open for acceptance for a period of 60 days.

9. **DELIVERY PERIOD**

Delivery period for each equipment/instruments/accessories **should be within 4 weeks from the date of placement of Order**. However, preference may be given to the quotationers who could supply the materials immediately or earlier than the due date which shall be specifically mentioned in the quotation /offer.

10. **INSTALLATION, COMMISSIONING AND TRAINING**

Quotationers must clearly and separately furnish in their offers the terms of installation, commissioning including training for operating the equipments and on application requirements, wherever necessary. Whether onsite training both for operational & application purpose at Export Inspection Agency-Kolkata will be offered with duration (i.e. 15 days or 1/2/3 months) may also be mentioned. For training at Quotationers Application Laboratory/site, the venue, duration and scope of such training may be indicated.

11. **INSTRUCTION MANUAL AND APPLICATION NOTES**

Instruction/operation Manual and Application notes are necessary to enable the user to put the equipment/instrument/apparatus to proper use. The successful quotationer shall furnish such Instruction/Operation manual and Application note along with the Equipments/Instruments. The quotationer shall clearly specify in the offer about his readiness to supply Instruction/Operation manual and Application notes. Cost, if any, for supply of such Instruction/Operation and Application manuals should be clearly stated. Such, manuals may also be called for before finalising the purchase. However, preference may be given to the quotationers who submits the relevant Application notes along with the offers/quotation.

12. **GUARANTEE/WARRANTEE**

The successful quotationers shall furnish the following guarantee/ warrantee in case the contract is placed on them :

The equipments offered shall remain in good working condition for a minimum period of 12 months from the date of delivery and successful commissioning and within this period repair or replacement, if any, shall be provided free of cost. It shall also be guaranteed that spare parts and accessories will be supplied if and when required by the purchase after the warranty period also.

13. **AFTER SALES SERVICE**

The arrangements and charges for after sales service of the equipments should be clearly mentioned.

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14. **TERMS OF PAYMENT**

- (a) For indigenous equipments Payment to the extent of 95% will be made after delivery and balance 5 % on successful commissioning, including implementation of Application as required, of the equipment in good and satisfactory conditions.
- (b) For imported equipments/instruments/accessories if Letter of Credit is opened by the local Agent/Subsidiary of the Principal, payment in Indian Rupees to the extent of 50% on production of proof of opening of LC, 45% on landing and clearance of the equipments etc. From customs and balance 5% on receipt, installation and commissioning including implementation of Applications as required of the equipment in good and satisfactory conditions.

OR

- (c) In case of Rupee payment of imported instruments in stock with the Agent/Subsidiary, the terms of payment shall be as per clause 14(a) Above.

15. **CERTIFICATE ON CREDENTIALS**

Certificates and credentials of the quotationer's financial standing in support of supplies made by the quotationers to other Government departments/autonomous bodies/local bodies/undertakings etc. Shall be furnished along with the quotation.

16. **INCOME TAX CLEARANCE CERTIFICATE**

Every quotationers shall furnish along with their quotation a photostat copy of their valid/latest Income-Tax Clearance Certificate. Quotationers are also required to indicate their permanent Income-Tax Account Number in their quotation. Offers of quotationers who do not furnish photostat copy of the valid/latest Income-Tax Clearance Certificate or do not indicate their permanent Income-Tax Account Number in their quotation, are liable to be ignored.

17. **MODE OF SUBMISSION OF QUOTATIONS**

- (a) The firms should quote on the basis of conditions referred to above. In case any terms and conditions herein are not acceptable to the firm they should specifically state the deviation therefrom in the body of the quotation. Separate quotation should be given for each item.
- (b) All quotationers shall be submitted in the letter-head/ proforma invoice of the firm in English or in Hindi giving clearly the following informations:

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- (i) Sl.No. Of the equipment/accessories/ as mentioned in Annexure II for which the offer is made.
 - (ii) Details of the equipment/accessories offered with its specifications.
 - (iii) Rate per unit.
 - (iv) Delivery period.
 - (v) Validity period of offer
 - (vi) Photocopy of latest Income-Tax Clearance Certificate.
 - (vii) Other details/documents as mentioned elsewhere in the terms and conditions.
- (c) Individual signing the quotations and connected documents must specify the capacity in which they sign (e.g.)
- (i) Whether signing as “Sole Proprietor” of the firm or as attorney.
 - (ii) Whether signing as “Partner of the firm” or as attorney.
 - (iii) Whether for the firm as “Agent”.
- (d) Quotations received after the last date i.e. 08.11.2004(15.00 hrs.) may not be considered. It will therefore be in the interest of the quotationers to ensure that the quotations are submitted well in time. It will be open to the quotationers to send their complete offer by FAX to ensure its receipt by the due date. Detailed offer must however be mailed immediately so as to reach within 3 days from the date of FAX offer.
- (e) quotation shall be enclosed in Sealed Envelope duly superscribed “Quotation for Laboratory Equipments/Instruments etc. The Envelope should be ddressed to The Deputy Director(Lab), Export Inspection Agency- Kolkata, ‘World Trade Centre’,10th floor,14/1B,Ezra Street,Kolkata-700001.

18. **RIGHT OF ACCEPTANCE OF OFFER**

Incomplete offers specially with regard to not detailing the specifications of the equipments are liable to be rejected. The purchaser reserves the right to accept or reject lowest or any offer in whole or in part without assigning any reasons. It would, therefore, be in the interest of the quotationers to clarify understand that the purchaser may accept offers for any part of the configuration offered of his choice and the quotationers shall supply the same at the rate quoted.

19. **JURISDICTION**

All questions ,disputes of differences arising out of contract, if concluded shall be subject to exclusive jurisdiction of Hon’ble court of Justice at Kolkata.

20. **OPENING OF QUOTATIONS**

The quotations shall be opened on 08.11.04 at 15.30 hours in the office of Export Inspection Agency-Kolkata, ‘World Trade Centre’, 14/1B,Ezra Street, Kolkata - 700001 in presence of such quotationers who wish to be present during the opening of the quotations.

21. **PERFORMANCE BOND**

A performance bond in the form of Bank guarantee to be submitted for an amount equal to 10% of the total value of the contract, valid till expiration of the warrantee period shall be furnished, as security deposit for the satisfactory performance of the equipment / instruments / accessories.

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REQUIREMENT OF EIA-KOLKATA , LABORATORY

Name of Equipment/ Items	Uses/ Application	Specification
<p>Atomic Absorption Spectrophotometer double beam with Graphite Furnace, Furnace Auto sampler and Hydride Generation Assembly including UPS and all other Accessories (Imported Brand)</p> <p><u>Under Buyback System of the Existing Chemito 203 AAS.</u></p>	<p>Required for Toxic/ Heavy Metal analysis in F&FP, water as per EEC Directive 98/83/EC, Dt.3.11.98, IS14543,IS13428IS 4251, Tea and other Food. Commodities in ppm/ppb label for the following Parameters .</p> <p>Aluminum Arsenic Boron Bromate Cadmium Copper Chromium Lead Iron Mercury Manganese Nickel Selenium Tin Zinc etc.</p>	<ol style="list-style-type: none"> 1. Basic unit with 10 cm acetylene burner, with regulator, Nebulizer, Spray chamber, ignition coil, background corrector, required software with latest P.C, Deskjet printer, Imported oil free compressor with filter and necessary accessories for installation. 2. Imported Nitrous oxide Burner head (5 cm) and regulator with heater and imported water circulator for graphite furnace. 3. Coded hollow Cathode Lamps : 4. 15 KVA UPS with at least 15 minute back up. 5. Standard solution for each elements. 6. Nitrous oxide gas regulator with heating device. 7. Chillier (imported) for the graphite furnace. 8. Acetylene and Argon Gas. Nitrous Oxide Gas. Exhaust Hood etc. <p><u>Detail specification</u></p> <ol style="list-style-type: none"> 1. True optically double beam AAS with a wavelength range 190-900 nm. 2. Diffraction grating with dual blazing and ruling density of 1800 lines/ mm or more. The system should have high resolution optics to produce Reciprocal linear dispersion of 1.6 nm/mm or better with high mono-chromator efficiency. 3. Spectral band width programmable through software. 4. 6 or 8 Lamp position automatic lamp holder with computer controlled lamp. 5. EDL/ Super lamp/ Ultra lamp power supply should be quoted as per parameters mentioned under uses/application column. 6. The system should be built in atomizer both for both Flame and Graphite furnace selection any one of them through software automatically. The optimization of the position of the graphite furnace should be automatic through software. Detector should have such option by which reprocessing of analytical data can be done through software. 7. Automatic Gas flow control system at set levels even when subjected to out side variation like Nebulizer adjustments for flame stability and performance. 8. All safety interlocks like Burner Head Interlock. Nebulizer/ End cap interlock, interlock should be built in Computer controlled motorized burner adjustments with lightest precision and reproducibility for adjustment of flame position light path as well as fully automatic adjustment of Burner head. Height of burner head also stored in the methods.

9. Computer controlled motorized burner adjustments with lightest precision and reproducibility for adjustment of flame position light path as well as fully automatic adjustment of Burner head. Height of burner head also stored in the methods.
10. Adjustable Gem tip Nebulizer, which can take analysis with acids, bases and organic solvent.
11. The instrument should have continuous source double beam background correction using a high efficiency D2 arc lamp.
12. The hollow cathode lamp should be coded with life period.
13. The AAS should have pre-mix corrosion resistance Nebulizer and capable of withstanding aqueous acid, organic solvent. The change over from acetylene to nitrous oxide should be computer controlled, sensitivity of the instrument should be minimum 0.75 A of 5 ppm copper with RSD less than 0.25%.
14. The computer should be compatible to Pentium IV with latest configuration, having Deskjet Colour Printer and 17" Colour Monitor and CD writer. Then software (in CD) should be window 98/ Office 2000 based Multitasking with provision of calibration, re-calibration data storage, data manipulation, graphs, curves, absorbance peaks background correction, inter element correction including fault error finding diagnostic features, statistical parameters, etc. Total control of all accessories like graphite furnace, furnace, auto sampler, etc. should be built in. Auto parameter selection for method development, automatic selection of stored methods, automatic selection of flame conditions, Graphite furnace. The software must have facility of reprocessing the data. Burner Head position should be stored with method. Other features like auto optimization of flame, on-line sensitive context help, and user selectable statistics for SD/RSD, built in reporting user format, mouse operation etc. Should be available.
15. Integrated Graphite furnace uses pyrolytically coated tubes with integral platform, fast heating rates, fast electronics and inert gas stop flow during atomization true temperature control throughout entire temperature range. Automatic Baseline offset correction for obtaining accurate peak area measurement, etc. Built in.
16. Integral Furnace Auto sampler with Graphite Furnace for at least samples in 2 ml vials.
17. Fully Automatic Computer control Hydride Generation system with :
 - i. Automatic sequential multi element analysis capabilities.
 - ii. Direct analysis of high matrix content solutions without burner or Nebulizer clogging.
 - iii. Low sample consumption.
 - iv. On- Line analytic pre-concentration
 - v. On- Line dilution.
 - vi. On- Line reagent addition.

