

EXPORT INSPECTION AGENCY-MUMBAI
Pilot Test House, E-3, MIDC, Andheri (East)
Mumbai-400093

Limited Tender Enquiry No. EIA/ MUM/ TENDER/PTH /2012

To,
All Prospective Bidders

Sub: Purchase of Laboratory equipments/instruments/items under plan fund for the year 2011-12 under limited tender enquiry - Reg.

Sir,

Sealed quotations are invited for supply of following Laboratory equipment/instruments/items for Pilot Test House, Export Inspection Agency-Mumbai. The details of the requirements are as given below:

Sl. No.	Description	Quantity	Location	EMD Amount (Rs.)
01.	GC with FID & NPD detector along with Autosampler (offer on buy back with Chemito GC 1000)	1 No.	PTH-Mumbai	12,000/-
02.	Vacuum SPE Manifold	1 No.	PTH-Mumbai	4,000/-

The terms and conditions and Instructions to Quotationers are as follows:

A. Prices:

- i) Prices quoted must be firm and shall be in Indian currency (INR). In case the items are imported the prices quoted should be also in Indian rupees (INR) or else the quotation will be rejected.
- ii) Prices must be stated for each item separately. The percentage of discount, in any, on 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.
- iii) Price quoted should be deemed to include free delivery at Pilot Test House-Mumbai.

B. Duties and Taxes:

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

C. Delivery Period: Delivery period shall be preferably within 45 days from the date of placement of Order. However, preference may be given to the quotationers who could supply the material immediately or earlier than the due date which shall be specifically mentioned in the quotation/offer. The delivery period mentioned in Purchase Order/Tender should be adhered to. Goods should not be dispatched until the vendor receives a firm order.

D. Terms of Payment: Payment will be done on satisfactory receipt of goods as per the requirement/ details given in Annexure I. Payment will be done after raising the BILLS/INVOICE, subject to successful installation and commissioning of instrument

E. Mode of Submission of Quotations:

- (i) All quotations shall be submitted in the letter-head/Proforma Invoice of the firm in English or in Hindi.

- (ii) Quotations received after the last date i.e. 27th February 2012 (17.00hrs) from the date of publication on website may not be considered.
- (iii) Quotations shall be enclosed in envelope duly sealed and superscribed on the envelope in bold letters " **Quotation for Laboratory equipments/instruments/items**". The envelope should be addressed to the Deputy Director, Export Inspection Agency-Mumbai, Pilot Test House, E-3, MIDC, Andheri East, Mumbai – 400 093
- F. The details of Laboratory equipments/Instruments/Accessories with configuration/technical specifications/requirements/application area are provided in Annexure-I. The Laboratory equipments/Instruments/Accessories may be indigenous or imported in full or part. The same should be specifically mentioned including the name of the equipments/components/accessories, which are not indigenous. Laboratory equipments/Instruments/Accessories with latest technology may be given preference.
- G. All necessary catalogues/applications vis-à-vis configuration/technical literatures/ data/ application notes etc. as are considered essential for full and correct evaluation of the offers made shall invariably accompany the tender.
- H. Instruction/operation Manual and application notes as necessary to enable the user to put the equipments/ Instruments/Accessories etc. for proper use are to be provided.
- I. The supply of spare part is to be guaranteed at least for a period of 5 years after the supply of the equipment.
- J. Offers made with alternative/equivalent specifications should contain sufficient details to show the alternate would serve the purpose.
- K. Mention clearly the address and contact details of their authorized service centers for service/repair of the equipments available. Supplier having such arrangements near Mumbai would be preferred.
- L. **PERFORMANCE SECURITY/BANK GUARANTEE:** The successful tenderer shall furnish performance security in form of bank guarantee from a commercial bank for an amount equal to 10% of total value of the contract and valid till the expiry of the warranty period, as security deposit for the satisfactory performance of the Laboratory equipment/Instruments/ Accessories supplied under the contract.
- M. **TERMS OF PAYMENT:** For indigenous as well as imported equipment payment to the extent of 90% will be made after delivery, satisfactory installation/ commissioning, as applicable, and balance 10% after receipt of Performance Bank Guarantee for 10% of total order value to be valid for one year from date of installation and acceptance. If no Bank Guarantee is given the balance 10% will be paid after satisfactory performance including implementation of Application requirements and training. Payment will be done after raising the **BILLS/INVOICE**, subject to successful installation and commissioning of instrument.
- N. **Right of Acceptance of Offer:** Incomplete offers are liable to be rejected. The purchaser reserves the right to accept or reject any offer in whole or in part without assigning any reasons. It would, therefore, be in the interest of the quotationers to clearly understand that the purchaser may accept offers for any item or quantity of the quotation offered of his choice and the quotationers shall supply the same at the rate quoted.
- O. **Opening of Quotations:** The quotations shall be opened on the 28th February 2012 (11.00hrs) from the date of publication on website in the office of Deputy Director, Export Inspection Agency-Mumbai, Pilot Test House, E-3, MIDC, Andheri East, Mumbai – 400 093 in presence of such quotationers who wish to be present during the opening of the quotations.

Yours faithfully,

(S.N. Dewvedi)
Deputy Director

EXPORT INSPECTION AGENCY-MUMBAI
(Ministry of Commerce and Industry-Govt. of India)
Aman Chambers, 4th Floor, 113 Maharishi Karve Road, Mumbai-400004

Limited Tender Enquiry No.EIA/ MUM/ TENDER/PTH /2012

**DETAILS OF LABORATORY EQUIPMENTS/INSTRUMENTS/ACCESSORIES ETC.WITH
CONFIGURATION AND TECHNICAL SPECIFICATION/REQUIREMENT**

ITEM NO 1.

GC with FID, NPD detector with autosampler (offer on buy back with Chemito GC 1000):
Analysis of pesticides residue, Alcohol content, Fatty acids, Organophosphorus compounds
etc in various food products

General

- a. The high performance, gas chromatograph should run under Windows XP, Windows 2007 professional.
- b. Electrical system, flow control systems and sensors should be fully supported by the operating software. All gas flows including septum purge should be digital with appropriate sensors.
- c. All carrier & detector gases must be electronically controlled.
- d. The Gas Chromatograph should have capabilities for capillary flow technology.
- e. Should be provided with a compatible liquid auto-sampler with a minimum of 16 vial capacity or more which can inject on two injection ports and can be easily moveable and fully controlled through software.
- f. GC should be capable of up-gradation to Ultrafast GC technology like low thermal mass (LTM) or equivalent in future.
- g. With Electronic Pneumatic Control (EPC) for better accuracy precision and reproducibility of results
- h. Should be supplied with all related accessories such as cables, racks and all other accessories required to put the system functional.
- i. Supplier should be capable to provide IQ/OQ/PO documents.

The Gas Chromatograph should comprise of the following modules:

Column Oven

- a. Should be capable of isothermal and temperature programming.
- b. Oven temperature controllable from 4°C above ambient to 450°C with setpoint resolution of 1 °C.
- c. Typical cool down time from 450°C – 50°C should be 4 min.
- d. Ambient rejection of < 0.01°C/°C.
- e. Number of oven ramps: upto 20 max.
- f. Operating conditions may be controlled from either the built-in keyboard or via an external computer based control system.
- g. Should have a customized display unit.

Sample Injection System

- a. One split/splitless capillary column injection unit which is electronically controlled via Electronic Pneumatic Controller (EPC).
- b. Temperature-Programmable Vaporizer (PTV)/Multimode inlet.
- c. Temperature range should be upto 400°C
- d. Pressure Range: 0 to 100psi
- e. Number of temperature programming steps: upto 20 or more
- f. Number of pressure or flow ramps: 3 or more Split ratio range: 0 to 7500 or more
- g. Maximum flow Rate: 0 - 1250ml/min for H₂ or He & 0 - 200ml/min for N₂.
- h. Turn top inlet sealing system should be built in standard for quick & easy injector liner changes.

Flame Ionization Detector (FID)

- a. Temperature range: Upto 450°C.
- b. Linear Dynamic range: 10⁷
- c. Minimum Detection Limit : < 1.8 pgC/s (Tridecane) with FUD Test mixture
- d. Flameout detection & automatic reignition of FID should be possible.
- e. Data acquisition rate should be upto 500Hz to accommodate narrow peaks.
- f. Flows: Air, Hydrogen, He or Nitrogen (Make up).

Nitrogen Phosphorus Detector (NPD)

- a. Temperature range: Upto 450°C max.
- b. Linear Dynamic range: 10⁴

- c. Minimum Detection Limit: Nitrogen: 0.4pg/s (Azobenzene) with NPD Test mixture
Phosphorus: 0.05pg/s (Malathion) with NPD Test mixture
- g. Data acquisition rate should be upto 100Hz.

Control Software:

The GC should be supplied with complete software for data acquisition & control through PC. The control software should be latest in all aspects & compatible with Windows XP, Professional or Windows 2007. The PC should be of LED monitor (19 inch), Latest microprocessor, Hard disk 500 GB with two partitions, RAM 4 GB DDR, DVD Writer. It should be productivity boosting & designed to match advance features of latest GC systems. It should have sequence based data storage & retrieve functions. It should provide extensive capabilities for analysis of large amounts of high-precision data with a navigation toolbar for easy access to chromatographic data.

It should have consistent & secure storage of data, methods & sequences. The control software should have very good data review & reprocessing capabilities using navigation tables.

Note: The GC will be procured on buy back of GC Chemito 1000 having ECD, FID and NPD detectors.

Quantity required: 1 No.

ITEM NO 2.

Vacuum SPE manifold: For extraction of fish, milk, honey and other food articles for antibiotic residues.

- a. Vacuum SPE manifold set complete for minimum 16 large columns.
- b. Chemically resistant Polypropylene sample reservoir and lid
- c. Balance ports and racks to ensure proper positioning of collection tubes.
- d. Vacuum gauge for pressure reading
- e. Control valve for adjustment of vacuum.
- f. All units included with stainless steel needles.
- g. Supplier should be capable to provide IQ/OQ/PO documents.

Quantity required: 1 No.