



Invitation to Bid

Ref. no. **ITB12/00559**

Date: **20 June 2012**

Dear Sir/Madam,

Subject: Supply of pathology, analytical and general laboratory equipment

1. We hereby solicit your bid for the supply of pathology, analytical and general laboratory equipment for the Center of Forensic Medicine as per attached documents.
2. To enable you to submit a bid, please find enclosed:
 - Annex I. Instructions to Bidders
 - Annex II. Bid Data Sheet
 - Annex III. General Terms and Conditions
 - Annex IV. Special Conditions
 - Annex V. Schedule of Requirements
 - Annex VI. Technical Specifications
 - Annex VII. Bid Submission Form
 - Annex VIII. Price Schedule
 - Annex IX. Technical Compliance Form
 - Annex X. Bid Security Form
 - Annex XI. Performance Security Form

3. Interested Bidders may obtain further information or clarifications at the following address:
 - Contact Person: Alexandru Cocirta, Project Manager
 - Project Name: Strengthening the forensic examination of torture and other forms of ill-treatment in Moldova
 - E-Mail: alexandru.cocirta@undp.org

UNDP Moldova will organize on its premises a pre-bidding conference on 2 July 2012 at 11:00. Representatives of all interested bidders are invited to attend. To confirm participation, please send a message to lidia.marchitan@undp.org by COB on 1 July 2012.

4. Bids must be delivered to UNDP Moldova office on or before **11:00** (Moldova local time) on **20 July 2012**. Late bids shall be rejected.

Bids can be submitted either in hard copy or electronically. Bids submitted by fax will be rejected.

a) Documents/bids in hard copy need to be addressed to:

**UNDP Moldova,
131, 31 August 1989 Street, MD-2012 Chisinau, Republic of Moldova
Attention: Registry Office/Procurement**

b) Bids sent electronically need to be addressed to the following e-mail address:

tenders-Moldova@undp.org

5. Bids will be opened in the presence of Bidders' Representatives, who chose to attend at 131, 31 August 1989 Street, MD-2012 Chisinau, Moldova, on **20 July 2012** at **12:00** (Moldova local time).
6. This letter is not to be construed in any way as an offer to contract with your firm.

Sincerely,

A handwritten signature in black ink, appearing to read 'Matilda Dimovska'.

Matilda Dimovska
Resident Representative a.i.



INSTRUCTIONS TO BIDDERS

A. Introduction

- 1. General:** The Purchaser invites Sealed Bids for the supply of goods to the UN system.
- 2. Eligible Bidders:** Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design specifications, and other documents to be used for the procurement of goods to be purchased under this Invitation to Bids.
- 3. Cost of Bid:** The Bidder shall bear all costs associated with the preparation and submission of the Bid, and the procuring UN entity will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the solicitation.

B. Solicitation Documents

- 4. Examination of Solicitation Documents:** The Bidder is expected to examine all corresponding instructions, forms, terms and specifications contained in the Solicitation Documents. Failure to comply with these documents will be at the Bidder's risk and may affect the evaluation of the Bid.
- 5. Clarification of Solicitation Documents:** A prospective Bidder requiring any clarification of the Solicitation Documents may notify the procuring entity in writing. The response will be made in writing to any request for clarification of the Solicitation Documents that it receives earlier than ten calendar days prior to the Deadline for the Submission of Bids. Written copies of the response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective Bidders that received the Solicitation Documents.
- 6. Amendments of Solicitation Documents:** No later than ten calendar days prior to the Deadline for Submission of Bids, the procuring entity may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, amend the Solicitation Documents. All prospective Bidders that have received the Solicitation Documents will be notified in writing of any amendments. In order to afford prospective Bidders reasonable time in which to take the amendments into account in preparing their offers, the procuring entity may, at its discretion, extend the Deadline for the Submission of Bids.

C. Preparation of Bids

- 7. Language of the Bid:** The Bid prepared by the Bidder and all correspondence and documents relating to the Bid exchanged by the Bidder and the procuring entity shall be written in the language indicated on the Bid Data Sheet.

8. Documents Comprising the Bid:

The Bid must comprise the following documents:

- a duly signed Bid Submission Form completed in accordance with Annex VI;
- a Price Schedule completed in accordance with Annex VIII and taking into account the Annexes V, VI and VIII and clause 12 of the Instructions to Bidders;
- a Technical Compliance Form completed in accordance with Annex IX;
- a Bid Security completed in accordance with Annex X and clause 14 of the Instructions to Bidders;
- documentary evidence established in accordance with clause 9 of the Instructions to Bidders that the Bidder is eligible to and is qualified to perform the contract if its Bid is accepted;
- documentary evidence established in accordance with clause 10 of the Instructions to Bidders that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the Bidding Documents.

9. Documents Establishing Bidder's Eligibility and Qualifications:

The Bidder shall furnish evidence of its status as qualified Supplier. The documentary evidence of the Bidder's qualifications to perform the contract if its Bid is accepted shall be established to the Purchaser's satisfaction:

- that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorised by the goods' manufacturer or producer to supply the goods in the country of final destination;

(b) that the Bidder has the financial, technical, and production capability necessary to perform the contract.

10. Documents Establishing Goods' Conformity to Bidding Documents:

The Bidder shall also furnish as part of its Bid, documents establishing the conformity to the Bidding Documents of all goods and related services which the Bidder proposes to supply under the contract.

The documentary evidence of conformity to the Bidding Documents may be in the form of literature, drawings, and data, and shall consist of:

- (a) A detailed description of the essential technical and performance characteristics of the goods;
- (b) A list giving full particulars, including available sources and current prices of spare parts, special tools, etc, necessary for the proper and continuing functioning of the goods for a period to be specified in the Solicitation Documents, following commencement of the use of the goods.

11. Export License:

All bidders/vendors must be aware that the goods and services are for the benefit of the Government under UNDP's development assistance framework and goods purchased will normally be transferred to the national partners, or to an entity nominated by it, in accordance with UNDP's policies and procedures.

The bidder/vendor shall include in their proposal:

- (a) A statement whether any import or export licenses are required in respect of the goods to be purchased or service to be rendered including any restrictions on the country of origin, use/dual use nature of goods or services, including and disposition to end users;
- (b) Confirmation that he has obtained licenses of this nature in the past and have an expectation of obtaining all the necessary licenses should their bid be successful.

12. Bid Currencies/Bid Prices: All prices shall be quoted in US dollars or any other convertible currency. The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total Bid Price of the goods it proposes to supply under the contract.

13. Period of Validity of Bids: Bids shall remain valid for 120 days after the date of Bid Submission prescribed by the procuring UN entity pursuant to clause 17 of the Instructions to Bidders. A Bid valid for a shorter period may be rejected as non-responsive pursuant to clause 21 of the Instructions to Bidders. In exceptional circumstances, the procuring UN entity may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. Bidders granting the request will not be required nor permitted to modify their Bids.

14. Bid Security:

- (a) The Bidder shall furnish as part of its Bid a Bid Security to the Purchaser in the amount of 2 % of the Offer Value.
- (b) The Bid Security is to protect the Purchaser against the risk of the Bidder's conduct which would warrant the security's forfeiture, pursuant to Clause 14(g) below.
- (c) The Bid Security shall be denominated in the currency of the Purchase Order or in a freely convertible currency and shall be in one of the following forms:
 - i. bank guarantee or irrevocable letter of credit, issued by a reputable bank located in the purchaser's country or abroad, and in the form provided in these Solicitation Documents, or,
 - ii. cashier's cheque, or certified cheque.
- (d) Any Bid not secured in accordance with Clauses 14(a) and 14 (c) above will be rejected by the Purchaser as non-responsive pursuant to clause 21 of the Instructions to Bidders.
- (e) Unsuccessful Bidder Bid Security will be discharged or returned as promptly as possible, but not later than thirty (30) days after the expiration of the period of Bid Validity prescribed by the Purchaser pursuant to clause 13 of the Instructions to Bidders.
- (f) The successful Bidder's Bid Security will be discharged or returned upon the Bidder signing the Purchase Order, pursuant to clause 26 of the Instructions to Bidders, and furnishing the Performance Security, pursuant to clause 28 of the Instructions to Bidders.
- (g) The Bid Security may be forfeited:
 - 1) If a Bidder withdraws its offer during the period of the Bid Validity specified by the Bidder on the Bid Submission Form, or,
 - 2) In the case of a successful Bidder, if the Bidder fails:
 - i. to sign the Purchase Order in accordance with Clause 27 of the Instructions to Bidders, or,
 - ii. to furnish Performance Security in accordance with Clause 28 of the Instructions to Bidders.

D. Submission of Bids

15. Format and Signing of Bid: The Bidder shall prepare two copies of the Bid, clearly marking each "Original Bid" and "Copy of Bid" as appropriate. In the event of any discrepancy between them, the original shall govern. The two copies of the Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorised to bind the Bidder to the contract. A Bid shall contain no interlineations, erasures, or overwriting except, as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

16. Sealing and Marking of Bids:

16.1 The Bidder shall seal the original and each copy of the Bid in separate envelopes, duly marking the envelopes as "ORIGINAL" and "COPY". The envelopes shall then be sealed in an outer envelope.

16.2 The inner and outer envelopes shall:

- (a) be addressed to the Purchaser at the address given in section I of these Solicitation Documents; and
- (b) make reference to the "subject" indicated in section I of these Solicitation Documents, and a statement: "DO NOT OPEN BEFORE", to be completed with the time and the date specified in section I of these Solicitation Documents for Bid Opening pursuant to clause 16 of Instructions to Bidders.

16.3 The inner and outer envelopes shall also indicate the name and address of the Bidder to enable the Bid to be returned unopened in case it is declared "late".

16.4 If the outer envelope is not sealed and marked as required by clause 16.2 of the Instructions to Bidders, the Purchaser will assume no responsibility for the Bid's misplacement or premature opening.

17. Deadline for Submission of Bids/Late Bids:

17.1 Bids must be delivered to the office on or before the date and time specified in section I of these Solicitation Documents.

17.2 The Purchaser may, at its discretion, extend this deadline for the submission of the bids by amending the Bidding Documents in accordance with clause 6 of the Instructions to Bidders, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

17.3 Any Bid received by the Purchaser after the Deadline for Submission of Bids will be rejected and returned unopened to the Bidder.

18. Modification and Withdrawal of Bids: The Bidder may withdraw its Bid after submission, provided that written notice of the withdrawal is received by the procuring UN entity prior to the deadline for submission. No Bid may be modified after passing of the Deadline for Submission of Bids. No Bid may be withdrawn in the interval between the Deadline for Submission of Bids and the expiration of the Period of Bid Validity.

E. Opening and Evaluation of Bids

19. Opening of Bids:

19.1 The Purchaser will open all Bids in the presence of Bidders' Representatives who choose to attend, at the time, on the date, and at the place specified in section I of this Solicitation Document. The Bidders' Representatives who are present shall sign a register evidencing their attendance.

19.2 The bidders' names, Bid Modifications or withdrawals, bid Prices, discounts, and the presence or absence of requisite Bid Security and such other details as the purchaser, at its discretion, may consider appropriate, will be announced at the opening. No Bid shall be rejected at Bid Opening, except for Late Bids, which shall be returned unopened to the Bidder pursuant to clause 21 of the Instructions to Bidders.

19.3 Bids (and modifications sent pursuant to clause 18 of the Instructions to Bidders) that are not opened and read out at Bid Opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn Bids will be returned unopened to the Bidders.

19.4 The Purchaser will prepare minutes of the Bid Opening.

20. Clarification of Bids: To assist in the examination, evaluation and comparison of Bids the procuring UN entity may at its discretion ask the Bidder for clarification of its Bid. The request for clarification and the response shall be in writing and no change in price or substance of the Bid shall be sought, offered or permitted.

21. Preliminary Examination:

21.1 Prior to the detailed evaluation, the Purchaser will determine the substantial responsiveness of each Bid to the Invitation to Bid (ITB). A substantially responsive Bid is one which conforms to all the terms and conditions of the ITB without material deviations.

21.2 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed, and whether the bids are generally in order.

21.3 Arithmetical errors will be rectified on the following basis: If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the Bidder does not accept the correction of errors, its Bid will be rejected. If there is a discrepancy between words and figures the amount in words will prevail.

21.4 A Bid determined as not substantially responsive will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

22. Conversion to Single Currency: To facilitate evaluation and comparison, the Purchaser will convert all Bid Prices expressed in the amounts in various currencies in which the Bid Prices are payable to US dollars at the official UN exchange rate on the last day for Submission of Bids.

23. Evaluation of Bids: Determination of compliance with the Solicitation Documents is based on the content of the Bid itself without recourse to extrinsic evidence.

Evaluation Criteria	
1	Compliance with pricing conditions set in the ITB.
2	Compliance with requirements relating to technical design features or the product's ability to satisfy functional requirements.
3	Compliance with Special and General Conditions specified by these Solicitation Documents.
4	Compliance with start-up, delivery or installation deadlines set by the procuring entity.
5	Demonstrated ability to comply with critical provisions such as execution of the Purchase Order by honoring the tax-free status of the UN.
6	Demonstrated ability to honor important responsibilities and liabilities allocated to Supplier in this ITB (e.g. performance guarantees, warranties, or insurance coverage, etc).
7	Proof of after-sales service capacity and appropriateness of service network.

F. Award of Contract

24. Award Criteria: The procuring UN entity will issue the Purchase Order to the lowest priced technically qualified Bidder. The Purchaser reserves the right to accept or reject any Bid, to annul the solicitation process and reject all Bids at any time prior to award of purchase order, without thereby incurring any liability to the affected Bidder(s) or any obligation to provide information on the grounds for the purchaser's action.

25. Purchaser's Right to Vary Requirements at Time of Award: The Purchaser reserves the right at the time of making the award of contract to increase or decrease by up to 20% the quantity of goods specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

26. Notification of Award: Prior to the expiration of the period of Bid Validity, the Purchaser will send the successful Bidder the Purchase Order. The Purchase Order may only be accepted by the Supplier's signing and returning an acknowledgement copy of it or by timely delivery of the goods in accordance with the terms of this purchase order, as herein specified. Acceptance of this Purchase Order shall effect a contract between the parties under which the rights and obligations of the parties shall be governed solely by the terms and conditions of this purchase order.

27. Signing of the Purchase Order: Within 30 days of receipt of the Purchase Order the successful Bidder shall sign, date and return it to the purchaser.

28. Performance Security: The successful Bidder shall provide the Performance Security on the Performance Security Form provided for in these Solicitation Documents, within 30 days of receipt of the Purchase Order from the purchaser.

Failure of the successful Bidder to comply with the requirement of clause 27 or clause 28 of the Instructions to Bidders shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security, in which event the Purchaser may make the award to the next lowest evaluated Bidder or call for new Bids.

29. Vendor Protest: Our vendor protest procedure is intended to afford an opportunity to appeal to persons or firms not awarded a purchase order or contract in a competitive procurement process. **It is not available to non-responsive or non-timely proposers/bidders or when all proposals/bids are rejected. In the event that you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link:** <http://www.undp.org/procurement/protest.shtml>.

BID DATA SHEET

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instruction to Bidders. Whenever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

Relevant clause(s) of Instruction to Bidders	Specific data complementing, supplementing, or amending instructions to Bidders		
Language of the Bid	<input checked="" type="checkbox"/> English <input type="checkbox"/> French <input type="checkbox"/> Spanish <input checked="" type="checkbox"/> Other: Romanian		
Bid Price	The prices quoted shall be as per following INCOTERMS 2010 and place: <input type="checkbox"/> FOB <input type="checkbox"/> FCA <input type="checkbox"/> CPT <input checked="" type="checkbox"/> DAP Place: Center of Forensic Medicine, 8, Korolenko str., Chisinau, Republic of Moldova		
Documents Establishing Bidder's Eligibility & Qualifications	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not required		
Bid Validity Period	<input checked="" type="checkbox"/> 120 days <input type="checkbox"/> Other:		
Bid Security	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not required		
Preliminary Examination – completeness of bid	<input checked="" type="checkbox"/> Partial bids permitted (by full LOTS) <input type="checkbox"/> Partial bids not permitted		
Purchaser's Right to Vary Requirements at Time of Award	<input checked="" type="checkbox"/> 20 percent, increase or decrease remain unchanged	<input type="checkbox"/> Condition waived	<input type="checkbox"/> Condition applies but change limit to percent

General Terms and Conditions

1. ACCEPTANCE OF THE PURCHASE ORDER

This Purchase Order may only be accepted by the Supplier's signing and returning an acknowledgement copy of it or by timely delivery of the goods in accordance with the terms of this Purchase Order, as herein specified. Acceptance of this Purchase Order shall effect a contract between the Parties under which the rights and obligations of the Parties shall be governed solely by the terms and conditions of this Purchase Order, including these General Conditions. No additional or inconsistent provisions proposed by the Supplier shall bind UNDP unless agreed to in writing by a duly authorized official of UNDP.

2. PAYMENT

- 2.1.1 UNDP shall, on fulfilment of the Delivery Terms, unless otherwise provided in this Purchase Order, make payment within 30 days of receipt of the Supplier's invoice for the goods and copies of the shipping documents specified in this Purchase Order.
- 2.1.2 Payment against the invoice referred to above will reflect any discount shown under the payment terms of this Purchase Order, provided payment is made within the period required by such payment terms.
- 2.1.3 Unless authorized by UNDP, the Supplier shall submit one invoice in respect of this Purchase Order, and such invoice must indicate the Purchase Order's identification number.
- 2.1.4 The prices shown in this Purchase Order may not be increased except by express written agreement of UNDP.

3. TAX EXEMPTION

3.1. Section 7 of the Convention on the Privileges and Immunities of the United Nations provides, inter alia, that the United Nations, including its subsidiary organs, is exempt from all direct taxes, except charges for utilities services, and is exempt from customs duties and charges of a similar nature in respect of articles imported or exported for its official use. In the event any governmental authority refuses to recognize UNDP's exemption from such taxes, duties or charges, the Supplier shall immediately consult with UNDP to determine a mutually acceptable procedure.

3.2. Accordingly, the Supplier authorizes UNDP to deduct from the Supplier's invoice any amount representing such taxes, duties or charges, unless the Supplier has consulted with UNDP before the payment thereof and UNDP has, in each instance, specifically authorized the Supplier to pay such taxes, duties or charges under protest. In that event, the Supplier shall provide UNDP with written evidence that payment of such taxes, duties or charges has been made and appropriately authorized.

4. RISK OF LOSS

Risk of loss, damage to or destruction of the goods shall be governed in accordance with DAP Incoterms 2010, unless otherwise agreed upon by the Parties on the front side of this Purchase Order.

5. EXPORT LICENCES

Notwithstanding any INCOTERM 2010 used in this Purchase Order, the Supplier shall obtain any export licences required for the goods.

6. FITNESS OF GOODS/PACKAGING

The Supplier warrants that the goods, including packaging, conform to the specifications for the goods ordered under this Purchase Order and are fit for the purposes for which such goods are ordinarily used and for purposes expressly made known to the Supplier by UNDP, and are free from defects in workmanship and materials. The Supplier also warrants that the goods are contained or packaged adequately to protect the goods.

7. INSPECTION

7.1. UNDP shall have a reasonable time after delivery of the goods to inspect them and to reject and refuse acceptance of goods not conforming to this Purchase Order; payment for goods pursuant to this Purchase Order shall not be deemed an acceptance of the goods.

7.2. Inspection prior to shipment does not relieve the Supplier from any of its contractual obligations.

8. INTELLECTUAL PROPERTY INFRINGEMENT

The Supplier warrants that the use or supply by UNDP of the goods sold under this Purchase Order does not infringe any patent, design, trade-name or trade-mark. In addition, the Supplier shall, pursuant to this warranty, indemnify, defend and hold UNDP and the United Nations harmless from any actions or claims brought against UNDP or the United Nations pertaining to the alleged infringement of a patent, design, trade-name or trade-mark arising in connection with the goods sold under this Purchase Order.

9. RIGHTS OF UNDP

In case of failure by the Supplier to fulfil its obligations under the terms and conditions of this Purchase Order, including but not limited to failure to obtain necessary export licences, or to make delivery of all or part of the goods by the agreed delivery date or dates, UNDP may, after giving the Supplier reasonable notice to perform and without prejudice to any other rights or remedies, exercise one or more of the following rights:

- a) Procure all or part of the goods from other sources, in which event UNDP may hold the Supplier responsible for any excess cost occasioned thereby.
- b) Refuse to accept delivery of all or part of the goods.
- c) Cancel this Purchase Order without any liability for termination charges or any other liability of any kind of UNDP.

10. LATE DELIVERY

Without limiting any other rights or obligations of the parties hereunder, if the Supplier will be unable to deliver the goods by the delivery date(s) stipulated in this Purchase Order, the Supplier shall (i) immediately consult with UNDP to determine the most expeditious means for delivering the goods and (ii) use an expedited means of delivery, at the Supplier's cost (unless the delay is due to Force Majeure), if reasonably so requested by UNDP.

11. ASSIGNMENT AND INSOLVENCY

- 11.1 The Supplier shall not, except after obtaining the written consent of UNDP, assign, transfer, pledge or make other disposition of this Purchase Order, or any part thereof, or any of the Supplier's rights or obligations under this Purchase Order.
- 11.2 Should the Supplier become insolvent or should control of the Supplier change by virtue of insolvency, UNDP may, without prejudice to any other rights or remedies, immediately terminate this Purchase Order by giving the Supplier written notice of termination.

12. USE OF UNDP OR UNITED NATIONS NAME OR EMBLEM

The Supplier shall not use the name, emblem or official seal of UNDP or the United Nations for any purpose.

13. PROHIBITION ON ADVERTISING

The Supplier shall not advertise or otherwise make public that it is furnishing goods or services to UNDP without specific permission of UNDP in each instance.

14. CHILD LABOUR

The Supplier represents and warrants that neither it nor any of its affiliates is engaged in any practice inconsistent with the rights set forth in the Convention on the Rights of the Child, including Article 32 thereof, which, inter alia, requires that a child shall be protected from performing any work that is likely to be hazardous or to interfere with the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral or social development.

Any breach of this representation and warranty shall entitle UNDP to terminate this Purchase Order immediately upon notice to the Supplier, without any liability for termination charges or any other liability of any kind of UNDP.

15. MINES

The Supplier represents and warrants that neither it nor any of its affiliates is actively and directly engaged in patent activities, development, assembly, production, trade or manufacture of mines or in such activities in respect of components primarily utilized in the manufacture of Mines. The term "Mines" means those devices defined in Article 2, Paragraphs 1, 4 and 5 of Protocol II annexed to the Convention on Prohibitions and Restrictions on the Use of Certain Conventional Weapons Which May Be Deemed to Be Excessively Injurious or to Have Indiscriminate Effects of 1980.

Any breach of this representation and warranty shall entitle UNDP to terminate this Purchase Order immediately upon notice to the Supplier, without any liability for termination charges or any other liability of any kind of UNDP.

16. SETTLEMENT OF DISPUTES

16.1 Amicable Settlement

The Parties shall use their best efforts to settle amicably any dispute, controversy or claim arising out of, or relating to this Purchase Order or the breach, termination or invalidity thereof. Where the Parties wish to seek such an amicable settlement through conciliation, the conciliation shall take place in accordance with the UNCITRAL Conciliation Rules then obtaining, or according to such other procedure as may be agreed between the Parties.

16.2 Arbitration

Unless, any such dispute, controversy or claim between the Parties arising out of or relating to this Purchase Order or the breach, termination or invalidity thereof is settled amicably under the preceding paragraph of this Section within sixty (60) days after receipt by one Party of the other Party's request for such amicable settlement, such dispute, controversy or claim shall be referred by either Party to arbitration in accordance with the UNCITRAL Arbitration Rules then obtaining, including its provisions on applicable law. The arbitral tribunal shall have no authority to award punitive damages. The Parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such controversy, claim or dispute.

17. PRIVILEGES AND IMMUNITIES

Nothing in or related to these General Terms and Conditions or this Purchase Order shall be deemed a waiver of any of the privileges and immunities of the United Nations, including its subsidiary organs.

Special Conditions

The following Special Conditions shall complement, supplement, or amend the General Conditions. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions.

Warranty/Guarantee		
<input checked="" type="checkbox"/> Applies	<input type="checkbox"/> Does not apply	If, within 24 months after the goods have been put into service, any defects are discovered or arise in the normal course of usage, the Supplier shall remedy the defect either by replacement or by repair.
Liquidated damages		
<input checked="" type="checkbox"/> Applies	<input type="checkbox"/> Does not apply	If the Supplier fails to supply the specified goods within the time period(s) stipulated by the purchase order, the Purchaser shall, without prejudice to its other remedies under the contract, deduct from the Purchase Order price, as liquidated damages, a sum equivalent to 0.1 percent of the delivered price of the delayed goods for each week of delay until actual delivery, up to a maximum deduction of 10 percent of the delayed goods Purchase Order price. Once the maximum is reached, the Purchaser may consider termination of the Purchase Order
Performance security		
<input checked="" type="checkbox"/> Applies	<input type="checkbox"/> Does not apply	<p>a) Within 30 days of receipt of the Purchase Order from the purchaser, the successful Bidder shall furnish a Performance Security to the Purchaser in the amount of 10% of the Purchase Order Value.</p> <p>b) The Performance Security shall be valid until a date 30 days from the date of Issue of a Satisfactory Certificate of Inspection and Testing by the procuring UN entity.</p> <p>c) The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the contract.</p> <p>d) The Performance Security shall be denominated in the currency of the Purchase Order and shall be in one of the following form of a bank guarantee or irrevocable letter of credit, issued by a reputable bank located in the purchaser's country or abroad in the form provided in these Solicitation Documents.</p> <p>e) The Security will be returned to the Supplier within 30 days of completion of the Purchase order, including any warranty obligation.</p>
Compliance with any other condition (s) required?		
<input checked="" type="checkbox"/> Applies	<input type="checkbox"/> Does not apply	Additional conditions are described in the Schedule of Requirements (Annex V).

SCHEDULE OF REQUIREMENTS

Scope and Minimum Requirements:

UNDP Moldova is inviting bids for the supply of forensic laboratory equipment as per Technical Specifications presented in Annex VI. Unless indicated otherwise, all parameters in the Technical Specifications indicate the minimum requirements. Offered equipment that does not comply with the minimum requirements shall be disqualified. Offerors are requested to bid for all items per LOT in Annex VI; failure to do so shall be grounds to disqualify the Offeror. Partial Bids by LOT are allowed. Evaluation shall be done by each LOT separately, therefore offerors are requested to indicate delivery and any other charges for each separate LOT.

Certificate(s) of Conformity:

Bidders shall provide copies of the documents, confirming that the equipment is in compliance with compulsory requirements (norms and standards) for such type of equipment - certificate(s)/record(s) of conformity, issued or acknowledged by relevant regulatory entity/body.

All equipment shall pass the tests at the factory before shipment. The results of the tests shall be included in the Manufacturer Certificates, describing repeatability and reproducibility for different nominal values, compared with that calculated from calibration certificates. The Manufacturer Certificates shall be provided by the Supplier together with the equipment.

The items subject to metrological certification shall be certified by the National Institute of Standardization and Metrology of Republic of Moldova according to national laws of the Republic of Moldova. The supplier is responsible for providing such certificates within 40 calendar days from delivery of the equipment.

Supplier Qualifications:

Profile of the company: bidders shall give a brief description of the company including copy of company registration documents;

Details of years in business: a minimum of three years experience in supply of medical equipment is required;

Dealer/Representative/Company: bidders shall provide the name of the entity operating in Moldova for warranty/guarantee repair, maintenance, etc, and shall describe the conditions applicable for warranty repairs and replacement of parts.

Financial capacity of company: bidders shall provide copy of the company's financial balance sheet for the last three fiscal years (companies from Moldova shall provide copy of financial balance sheet endorsed by the National Bureau of Statistics of the Republic of Moldova; companies from abroad shall provide audited financial report by a reputable specialised agency), in order to prove its financial health and provide reasonable assurance whether it can pay off its financial obligations. Based on provided documents, the quick ratio (ratio between the company's liquid assets and its current liabilities) shall be calculated in order to evaluate the financial health of the bidder. A quick ratio lower than 1 may be grounds to disqualify the bidder.

Delivery and Installation:

UNDP Moldova is looking for a maximum delivery time of 45 calendar days after contract signing, DAP Chisinau, Moldova (INCOTERMS 2010).

The supplier is responsible for the transportation of the laboratory equipment to the beneficiary's premises and its installation. The Supplier shall use on its own all and each tools and accessories required for the installation, testing, commissioning of the equipment.

The supplier must not make any damage to the beneficiary's building or equipment sustained as a result of the installation. All tools, packaging and other waste materials must be removed before installation is considered complete. All costs relating to the installation works including, but not limited to, labour, lodging and travel must be paid for by the supplier. The bidder must provide a detailed schedule, including timings, for the transportations and installation of the equipment.

The bidder must provide brief details of the packaging and transportation used during delivery of the equipment.

Acceptance/Performance Test:

After installation of the equipment in final place of use, the Supplier shall demonstrate that all equipment conform to the technical specifications. Completion of installation will be certified by the head of the installation team and a representative appointed by UNDP Moldova.

The bidder must include in the proposal details of the proposed acceptance/performance tests. This will include details of the testing team and the time required for testing.

Acceptance of the equipment shall take effect upon receipt by the beneficiary of the acceptance/performance testing and metrological certification of the equipment.

Training:

Training for five days at the beneficiary's institution will be required, immediately after installation. The bidder must include in the proposal details of the proposed training programme and the training team.

Documents and manuals:

All equipment must be supplied with instructions for operation, use and maintenance in Romanian or in Russian.

Maintenance and Warranty:

The bidder's proposal will include a full description of a service and preventative maintenance warranty including as a minimum:

- Frequency of routine visits
- Work carried out during routine visits, including details of the quality check programme
- Consumables and spare parts included in the warranty
- Proposals for software updates during warranty period
- Response times including for both telephone consultation and emergency technician call-out
- Availability of spare parts and consumable in the region.
- Costs to be borne by the beneficiary during the warranty period

Servicing at the site of operation should not exceed a two weeks response period.

The bidder will offer minimum two years full on-site warranty, including service and maintenance. The warranty will begin immediately after acceptance of the equipment by the beneficiary following successful acceptance/performance testing and metrological certification of the equipment.

If the bidder intends to contract a local company for service and maintenance during the warranty:

- a. Details of the local company need to be included in the bidder's proposal
- b. The local company needs to be authorised and licensed by the manufacturer and confirmation of this included in the bidder's proposal
- c. The bidder must provide confirmation in the proposal that all maintenance and service personnel have passed the manufacturer's most recent training programme for maintenance and repair of the proposed equipment.

Spare parts and consumables should be available for at least 10 years after installation and shall provide post warranty services. Confirmation of this must be included in the bidder's proposal. Procurement of spare parts and consumables, and post warranty services, after the warranty period, will not be covered by this contract and for which the beneficiary may sign a separate contract.

Please indicate the detailed list, amount and cost of expendables and spare parts required in average for two years use of each equipment. Unless otherwise specified in technical specifications the cost of the consumables shall not be included in the financial offer.

Payment terms:

Equipment purchased will be paid through bank transfer to the given bank account, within 30 days upon acceptance of the equipment and submission of supply invoice. Please, note that all UNDP purchases are exempt of customs duties, VAT and other taxes.

TECHNICAL SPECIFICATIONS

The equipment will be used by the Center of Forensic Medicine as the highest accuracy system. Therefore equipment to be selected will have the lowest drift with respect to time, environmental temperature and humidity as well as basic protection from dust, draft and other external effects. If any accessory is needed in order to achieve the performance stated in these technical specifications, this accessory will be included in the offer with a clear indication of the price. UNDP has the right not to include this accessory in the system.

The goods and materials to be incorporated in the goods should be new, unused, and of the most recent or current models, and they should incorporate all recent improvements in design and materials, unless provided for otherwise in the solicitation documents.

The offer shall indicate the model number of the equipment you are offering. If it is an off-the-shelf catalogue item, please provide the link where more information can be obtained. Along with your offer, please provide copies of the pages of the relevant catalogue or pages of web site.

LOT 1 - Pathology lab equipment			
Item	Item Description	Minimum required specification	Qty
1	Multistainer with coverslipper		1
	Stainer Type	Robotic- fully automatic	
	Number of cuvettes	At least 40	
	Cuvette volume	Between 350 and 450 ml	
	Drying station	1	
	Loading station	4	
	Unloading station	4	
	Water bath	At least 4	
	Number of protocols	At least 18	
	Protocols	Different basket to be able to run different protocol	
	Maxim capacity	At least 550 slides / hour	
	Safety	Fully enclosed, carbon filter	
	Display	Color LCD	
	Memory card	Yes, 4 GB capacity	
	Combination with cover slipper	Inline	
	Dispensing volume	Up to 220µl	
	Slide 26 x76mm capacity	120 pcs	
	Coverglass capacity	350pcs	
	Consumables		
	Slides	15,000 pcs	
Coverslip	15,000 pcs		
2	Semiautomatic microtome		1
	Safety lock on hand wheel in every position	Yes	
	Section thickness range	0 – 100 µm 0 – 2 in 0,5 µm 2 – 20 in 1 µm 20 – 50 in 2 µm 50 – 100 in 5 µm	
	Trimming thickness setting	0 – 300 µm free selectable	
	Vertical stroke	60mm	
	Display of cutting thickness and thickness during trimming	LCD	
	Specimen orientation	x-axis 8° y-axis 8° z-axis 360°	
	Specimen retraction	0 – 200 µm free selectable	
	Ready for use with all needed accessories	Yes	
	Microtome slides included	10 pcs	
	Consumables		
	Blades	5 pcs	

3	Histobath		2
	Heating capacity	Yes	
	Lid	Stainless steel	
	Interior	Teflon coated	
	Over temperature protection	Yes	
	Electronic temperature regulator	Yes	
	Temperature display	Yes	
	Temperature selection	Up to 100°C	
	Volume	At least 3 liters	
4	Histoplate		2
	Heated plate	Teflon coated	
	Temperature selectable	Up to 100°C	
	Electronic temperature controller with digital display	Yes	
	Dimensions of heated plate	At least 300x 250mm	
5	Incubator for histology		1
	Volume	110-120 liters	
	Display	Color LCD	
	Exterior	Stainless steel	
	Interior	Stainless steel	
	Forced air convection	Yes	
	Fan speed regulation	From 0% to 100%	
	Temperature	5°C above ambient-to 100°C	
	Temperature resolution	0,1°C	
	Temperature fluctuation	0,2°C	
	Over temperature protection	Class 3.1	
	Temperature-time profile	At least 6 segments	
6	Trinocular Microscope		3
	Illumination	White LED or halogen 35W with light intensity control	
	Observation	Bright field	
	Revolver	Quadruple	
	Head	Trinocular inclined 30° and rotatable 360°	
	Interpupillary adjustment	55-75mm	
	Diopter adjustment	On both eyepieces	
	Condenser	Abbe type. 1,25 with centering device	
	Objectives	4X, 10X, 40X, 60X anti-fungus treated	
	Stage	Size 160x140mm, specimen holder for 2 slides	
	Dust cover	Yes	
	Digital Camera	At least 5 Mp, C-mount type with all needed accessories for connection to the microscope and to the PC, software , live view possibility	
	7	Polarized light Microscope	
Illumination		White LED or halogen 35W with light intensity control	
Observation		Bright field, polarized light	
Revolver		Quintuple with centering system	
Head		Trinocular inclined 30° and rotatable 360°	
Interpupillary adjustment		55-75mm	
Diopter adjustment		On both eyepieces	
Condenser		Rotatable polarizer with graduated scale	
Objectives		4X, 10X, 25X, 40X and 63X anti-fungus treated	
Stage		Size 160x140mm, specimen holder for 2 slides	
Dust cover		Yes	
Digital Camera		At least 5 Mp, C-mount type with all needed accessories for connection to the microscope and to the PC, software , live view possibility	
8	Phase contrast Microscope		1
	Illumination	White LED or halogen 35W with light intensity control	
	Observation	Bright field, dark filed, phase contrast	
	Revolver	Quintuple	
	Head	Trinocular inclined 30° and rotatable 360°	
	Interpupillary adjustment	55-75mm	

	Diopter adjustment	On both eyepieces	
	Condenser	Phase contrast condenser, bright field, dark field	
	Objectives	4X, 10XPh, 40 XPh, 100XPh anti-fungus treated	
	Stage	Size 160x140mm, specimen holder for 2 slides	
	Dust cover	Yes	
9	Trinocular Microscope with immersion		6
	Illumination	White LED or halogen 35W with light intensity control	
	Observation	Bright field	
	Revolver	Quadruple	
	Head	Trinocular inclined 30° and rotatable 360°	
	Interpupillary adjustment	55-75mm	
	Diopter adjustment	On both eyepieces	
	Condenser	Abbe type. 1,25 with centering device	
	Objectives	4X, 10X, 40 X, 100X anti-fungus treated	
	Stage	Size 160x140mm, specimen holder for 2 slides	
	Dust cover	Yes	
Common requirements for Lot 1			
Data Connection	When required, data connection (Interface to personal computer) may be RS232C, RS423, IEEE-488, LAN or USB. A 5 m appropriate cable with standard PC connector will be supplied.		
Software	Unless otherwise specified, any special software needed to operate the item(s) proposed should be supplied. The software should operate on a standard Windows compatible PC along with the data cable mentioned above. If there is a specific requirement for the PC, it should be mentioned in the offer.		
Environmental conditions	Unless otherwise specified, equipment to be procured will be used in controlled environment with temperature 20±3°C, and relative humidity 55±15 %. Electricity supply is 230±30 V and 50 Hz.		
Quality	Good Laboratory Practice (GLP), CE Certificate, ISO 9001 Certificate		

LOT 2 - Analytical equipment			
Item	Item Description	Minimum required specification	Qty
1	Atomic absorption spectrometer		1
	Wavelength Range	190nm – 900nm	
	Monochromator	Czerny-Turner Configuration	
	Spectral Bandwidth	0.1nm, 0.2nm, 0.4nm, 1.0nm, 2.0nm, (software selectable).	
	Wavelength Accuracy	± 0.15nm	
	Wavelength Reproducibility	< 0.05nm	
	Resolution	0.2nm ± 0.02nm	
	Baseline Stability	0.005A/30min	
	Sensitivity (Cu)	2 µg/ml Absorption > 0.28A (flame)	
	Detection Limit	Cu < 0.004 µg/ml (flame) Cd < 0.4 x 10 ⁻¹² g (graphite furnace)	
	Repeatability	Cu < 0.7% (Air/Acetylene flame) Ba < 1.0% (Nitrous oxide/Acetylene flame) Cu < 2.0% Cd < 2.0% (Graphite Furnace)	
	Position Adjustment	Automatic changeover	
	Safety Functions	Burner Identification, Flame Sensor, Gas leak Sensor, Low Gas Pressure Sensor, Drain Trap Sensor, Power Loss Protection, Circulation Water (graphite), Over Temperature Sensor (graphite). For Hg analysis the system must be supplied with protection capsule for operator safety.	
	Hydride generator	Electro-heating, continuous flow peristaltic pump with speed control, high efficiency mixing section and gas-liquid separation	
	Autosampler	For flame and graphite	
	Monoelement lamps	Cu, Zn, Pb, As, Hg, P, Cr, Mn, Cd, Tl, Ba, Sb	
	Computer	Processor 3Ghz, 2GB RAM, 500GB HDD, 19" LCD monitor, Windows 7 license	

2	Microwave Digestion System		1
	System with high-pressure capabilities to enhance digestion quality while decreasing digestion time	Yes	
	Operation and full computer control of temperature and power	Yes	
	Software with direct control and sensing of temperature with real-time graphic display, automatic data storage, unlimited method storage, and complete record of instrument parameters	Yes	
	External PC with software control	Yes	
	Top-loading with safety interlocks	Yes	
	Fume exhaust module	Yes	
	Teflon lining of oven cavity	Yes	
	Continuous temperature monitoring and control	Yes	
	Release of acid fumes into collection reservoir in vessel carousel	Yes	
	Automatic pressure release mechanism in oven cavity	Yes	
	Number of Vessels	6	
	Operating Pressure	400psi	
	Operating Temperature	250°C	
	Temperature Sensor	1	
	Vessel Volume	60mL	
	Microwave Power	1200W	
Magnetron Frequency	2450 Mhz		
3	High Performance Liquid Chromatograph		1
	Quaternary Pump		
	Hydraulic system	Dual piston in series pump with servo-controlled variable stroke drive, floating pistons	
	Settable flow range	Set points 0.001 - 10 mL/min, in 0.001 mL/min increments	
	Flow range	Up to 10.0 mL/min	
	Flow precision	$\leq 0.05\%$ RSD or ≤ 0.01 min SD whichever is greater	
	Flow accuracy	$\pm 0,1\%$	
	Pressure operating range	Operating range up to 60 MPa (600 bar, 8700 psi) up to 10 mL/min	
	Pressure pulsation	Typically < 0.2 MPa (2 bar) or $< 1\%$ whichever is greater	
	Compressibility compensation	User selectable, based on mobile phase compressibility	
	Gradient formation	Low pressure quaternary mixing/gradient capability	
	Composition precision	$< 0.15\%$ SD at 1 mL/min	
	Integrated degassing unit	Number of channels: 4 Internal volume per channel: 1.5 mL	
	Control	By software	
	Local control	Touch screen	
	Communications	Controller-area network (CAN), RS-232C, APG Remote: ready, start, stop and shut-down signals, LAN optional	
	Safety and maintenance	Extensive diagnostics, error detection and display, leak detection, safe leak handling, leak output signal for shutdown of the pumping system. Low voltage in major maintenance areas.	
Degasser	4 channel, integrated		

	Injector		
	Injection methods	Full-loop and partial-loop injections	
	Injection loop	20 µL sample loop	
	Column Thermostat		
	Temperature range	6°C... 80 °C	
	Temperature stability	± 0.1 °C	
	Temperature accuracy	± 0.5 °C	
	Column capacity	Four 30 cm columns	
	Heat-up/cool-down time	15 min from 20 °C to 50 °C 15 min from 50 °C to 20 °C	
	DAD Detector		
	Detector type	1024-element diode array, single-beam	
	Light source	Deuterium lamp, tungsten lamp, temperature control for both lamps	
	Number of signals	8	
	Maximum sampling rate	100 Hz (both spectra and signals)	
	Short-term noise	Wide slit: < ±8 µAU at 254 nm Narrow slit: < ±10 µAU at 254 nm response time 2 s (according to ASTM time constant ~1 s), 4 nm bandwidth, water at 1.0 mL/min	
	Drift	< 1 mAU/h (typically < 0.5 mAU/h) at 254 and 520 nm with water at 1.0 mL/min	
	Linearity	< 3% RSD and corr. coeff. > 0.9995 up to 1.5 AU, typically < 5% RSD and corr. coeff. > 0.999 up to 2.0 AU	
	Wavelength range	190-800 nm	
	Wavelength accuracy	±1.0 nm	
	Slit width	Narrow or wide	
	Pixel Resolution	<1 nm	
	Flow cells	Standard (Stainless Steel) 13-µL volume, 10 mm-cell path length, 120 bar (1740 psi) pressure maximum	
	RI Detector		
	Detection type	Deflection method	
	Short-term noise	<2.5 × 10 ⁻⁹ RIU	
	Drift	< 200 × 10 ⁻⁹ RIU/h	
	Refractive index range	1.00–1.75, calibrated	
	Range	0.25 to 512 µRIU	
	Linearity	600 µRIU	
	Flow cell	8 µL, 5 bar pressure maximum	
	Temperature control	30 °C to 50 °C	
	Maximum flow rate	10 ml/min	
	Time programmable	Polarity, peak width	
	Response	0.1, 0.25, 0.5, 1.0, 1.5, 2.0, 3.0, 6.0 s	
	Zero adjustment	Optical and electronic autozero	
	Analog output	Recorder/integrator: 10 mV or 1 V	
	Communications	RS-232, remote ready, start and shutdown signals	
	Software	Yes	
	Accessories		
	Syringe	3 pcs of 100 µL	
	Column	C18, 250 mm, ID 4.6, 5 µm	
	Computer	Processor 3GHz, 2GB RAM, 500GB HDD, 19" LCD monitor, Windows 7 license	
	Laser printer	10 pages/min, B/W	
4	Gas Chromatograph		
	GC/FID/TOF-MS/HS		
	Number of injectors to be installed simultaneously in a chromatograph	3	1
	Number of detectors to be installed simultaneously in a chromatograph	3	

Column oven	
Volume	12-13 L
Operating temperature	5 above ambient to 500 °C
Temperature resolution	0.1°C
Number of programmable steps of oven temperature	25
Max Heating Ramp Rate	140°C/min, 0.1 °C/min resolution
Isothermal time	0.00 to 999.00 min, 0.01 min resolution
Injector (2 units) Split/Splitless	
Temperature	Up to 450°C, 1°C resolution
Injector Carrier gas max total flow	1000 mL/min
Injector Pressure range	0 - 120 psi
Control type by flow lines of carrier-gases	Digital flow controller
Detector FID	
Temperature	Up to 450°C, 1°C resolution
Linear dynamic range	> 10 ⁷
Minimum Detectable Level	1.8 pg Carbon/sec
Data Acquisition Rate	300 Hz
Flame Ignition	Automatic, software controlled
Detector TOF-MS	
Mass Range	2-1024 amu
Scan Rate	30,000 spectra/s (up to 1,000 Hz written to disk) equivalent to 1,024,000 u/sec
Acquisition speed	Up to 1000 spectra/sec full scan
Resolution	2000 on m/z/219
Sensitivity	1pg/uL OFN S/N > 150:1 (RMS) in standard operating conditions; S/N>500:1 (RMS in high sensitivity mode full scan
Linearity	10 ⁵
Tune Modes	AutoTune and Manual Tune
Ion Source Mode	EI - Electronic Impact
Ion Source Type	Inert EI source
Source Temperature	Up to 220°C
Heating rate	Up to 140° C / min
Detector	Electron Multiplier
Filaments	Dual filament
Transfer Line Temperature	Up to 300°C
Vacuum System	Integrated oil free baking membrane pump @ 0.2m ³ /h Two Turbo-molecular Pumps (250 L/s and 70 L/s)
MS Library	NIST mass spectral library - the most updated version available on market
Head Space	
Tray capacity	40-50 vials
Samples	Glass vials 20 ml
Sample path	Silco-treated stainless steel
Vial movement	X -Y robotic arm and gripper
Oven	
Capacity	6 vials
Heating temperature	15°C above ambient up to 200°C, 1°C resolution
Heating time	From 1 to 300 min, 0.1 min resolution
Heating	Electrical with forced air
Shaking	No, soft or fast regime
Manifold	
Temperature	15°C above ambient up to 200°C, 1°C resolution
Heating	Electrical
Sampling valve	6 ports, electrically actuated
Sampling loop	1 ml standard, 3 ml available
Press and vent valves	On - off solenoid valve

	Transfer line		
	Temperature	15°C above ambient up to 220°C, 1°C resolution	
	Heating	Electrical	
	Needle	Removable, standard and for on-column injector	
	Dimensions	1 m length, 0.8 mm i.d	
	Column	30m, diam 0.53mm, particle 3.00u	
	Column	25mm, diam 0.25mm, particle 0.25um	
	Computer	Processor 3Ghz, 2GB RAM,500GB HDD, 19" LCD monitor, Windows 7 license	
	Consumables		
	Vials	300 pcs	
	Vial caps	300 pcs	
	Ferrules	10 pcs	
	Nuts	4 pcs	
	Liner	1 pcs	
5	Drug detection system- similar to "Toxilab AB Plus"		
	Method	Thin layer chromatography	
	Screening method for polydrug specimens	Yes	
	Supplied with database for drugs photo-documentation	Yes	1
	Supplied with	100 tubes, 100 disks blank, 50 disks B1 type, 50 disks B2 type, 50 disks B3 type, 50 disks B4 type, 6 sets of reagents concentrated B1, B2 and B3 or similar	
	Ready to use system	Yes	
6	Semiautomatic preparing system		
	Application	Sample clean up Sample preparation for pesticide analysis, active pharmaceutical compounds, drugs.	
	Type	Gel permeation chromatography	
	Injection	Manual	1
	Sample processing	Automatically	
	Number of columns	One, upgradable to four	
	Display	Touch screen	
	PC connection	Yes	
	Column refill on site	Yes	
	User protection	The column to be encased in a aluminum sheath	
7	Water purification system		
	Application	HPLC, GC/MS, AA	
	Water type	Type 1 according to ISO3696	
	Resistivity	18.2MΩ-cm	
	UV lamp	Yes	
	TOC, ppb	1-5	
	Bacteria, CFU/ml	<1	
	Output	15 L/ day	1
	Internal non-contaminating reservoir	At least 6 liters	
	Feed water	Distilled water	
	Standby function	Yes	
	Final filter	0.2 micron	
	Set of filters	Yes. Complete package depending on configuration	
8	N2 generator		
	Application	Gas chromatograph connection	
	Purity	99.9995%	
	N2 Flow rate	1 L/min	
	Air Flow rate	1,5 L/min	1
	Outlet pressure	5,5 bars	
	Integrated air compressor	Yes	
	PSA technology	Yes	
	Touch screen	Yes	

	Flow produced indication	Yes	
	Energy saving mode	Yes	
9	Rotary evaporator		1
	Application	Sample preparation	
	Rotation speed	20-270rpm	
	Speed set	Digital set of rotation speed with display	
	Lift	Motor lift 18mm/sec	
	Heating bath temperature range	20-180°C	
	Over heat protection	Yes	
	Heating bath volume	4-5 liters	
	Digital display of vapor temperature	Yes	
	Timer	Automatic cut off at the end of distillation	
	Remote control	Yes	
	Protection class	IP 20	
	Supplied with G3 set	Yes	
Modular design with waterbath, vacuum pump and operating panel	Yes		
Common requirements for Lot 2			
Data Connection	When required, data connection (Interface to personal computer) may be RS232C, RS423, IEEE-488, LAN or USB. A 5 m appropriate cable with standard PC connector will be supplied.		
Software	Unless otherwise specified, any special software needed to operate the item(s) proposed should be supplied. The software should operate on a standard Windows compatible PC along with the data cable mentioned above. If there is a specific requirement for the PC, it should be mentioned in the offer.		
Environmental conditions	Unless otherwise specified, equipment to be procured will be used in controlled environment with temperature 20±3°C, and relative humidity 55±15 %. Electricity supply is 230±30 V and 50 Hz		
Consumables	For Item 1: Atomic absorption spectrometer please quote separately prices for each lamp requested		
Quality	Good Laboratory Practice (GLP), CE Certificate, ISO 9001 Certificate		

LOT 3 - General lab equipment			
Item	Item Description	Minimum required specification	Qty
1	Electric stirrer		1
	Vibration orbit	5mm	
	Speed	2500rpm	
	Continuous operation or automatic	Yes	
	Adapter for 10 ml tubes	Yes	
2	Laboratory centrifuge		2
	Centrifugation speed	100 rpm to 18000 rpm variable speed	
	Maximum capacity	At least 1000ml	
	Rotor	Swing out type, speed 5000 RMP for 4 x 250ml tubes, 32 x 10-15ml tubes with all needed buckets, adapters and tubes	
	Display	LCD	
	Memory	At least 100 programs	
	Timer	0-99min 59s and continuous	
	Automatic rotor identification	Yes	
Unbalance warning	Yes		
3	Ultrasonic bath		1
	Capacity	2,5-3,5 litres	
	House and cleaning tank	Stainless steel	
	Temperature range regulated by microprocessor	30-80°C	
	Auto degas function	Yes	

	Display	LED	
	Working frequency	25-40 Hz	
	Cover	Stainless steel	
	Basket	Yes	
4	Laboratory incubator		1
	Volume	55-65 liters	
	Exterior	Stainless steel	
	Interior	Stainless steel	
	Forced air convection	Yes	
	Fan speed regulation	From 0% to 100%	
	Temperature	5°C above ambient - to 100°C	
	Temperature resolution	0,1°C	
	Temperature fluctuation	0,2°C	
	Over temperature protection	Class 3.1	
	Aver temperature alarm	Yes	
	Temperature-time profile	At least 6 segments	
	Display	Color LCD	
	Network connection	Yes	
5	Colposcope		1
	Type	Videocolposcope	
	Autofocus	Up to 30 cm	
	Electronic green filter	Yes	
	Continuous zoom	1-40X	
	Image processor	Color CCD	
	Pixels	At least 2 Mpx	
	Resolution	825 TV lines	
	E-flip	Yes	
	S/N ratio	> 48DB	
	Light	LED	
	Color temperature	7000K	
	Video out	Yes	
	Memory card	Yes, 8GB	
	Photo possibility	Yes- at least 2 Mpx	
	Safety standards	IEC 60601	
6	UV box sterilizer		1
	Application	Sterilizing surgical instrumentation	
	UV light	Yes	
	Box dimensions (W x D x H)	40 x 40 x 30 cm	
7	Roentgen film developing system		1
	Film transport	Continuous roller transport system	
	Film formats	Up to 35cm width	
	Processing capacity	125 films 24 x30cm	
	Tank capacities	Developer, fixer and washing 5 liters each	
	Developer temperature	28-37°C adjustable	
	Water consumption	No more than 2liter/min when processing	
	Drain capacity	7 litres / minute	
	System protection	IP20	
	Noise level	Less than 60dB	
8	Gynecological couch		1
	Weight capacity	Up to 180 Kg	
	3 segments construction	Yes	
	Segment independent adjustment	Yes, with manual or automatic adjustment	
	Surface	Washable	
	Foot support	Yes	
	Paper roll holder	Yes	
9	Refrigerator for biological samples		29
	Volume	100 +/- 15 Litres	
	Energy class	A+	
	Interior	Antibacterial surface easy to clean	
	Shelves	2	

	Temperature	2- 6°C	
Common requirements for Lot 3			
Data Connection	When required, data connection (Interface to personal computer) may be RS232C, RS423, IEEE-488, LAN or USB. A 5 m appropriate cable with standard PC connector will be supplied.		
Software	Unless otherwise specified, any special software needed to operate the item(s) proposed should be supplied. The software should operate on a standard Windows compatible PC along with the data cable mentioned above. If there is a specific requirement for the PC, it should be mentioned in the offer.		
Environmental conditions	Unless otherwise specified, equipment to be procured will be used in controlled environment with temperature $20\pm 3^{\circ}\text{C}$, and relative humidity $55\pm 15\%$. Electricity supply is $230\pm 30\text{ V}$		
Quality	Good Laboratory Practice (GLP), CE Certificate, ISO 9001 Certificate		

BID/PROPOSAL SUBMISSION FORM

To: The procuring entity

Dear Sir / Madam,

Having examined the Bidding Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver [*description of goods*] in conformity with the said bidding documents for the sum of [*total bid amount in words and figures*] as may be ascertained in accordance with the Price Schedule attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

We agree to abide by this Bid for a period of [number] days from the date fixed for opening of Bids in the Invitation to Bid, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

We understand that you are not bound to accept any Bid you may receive.

Dated thisday of[*year*].

.....
Signature

.....
[*in the capacity of*]

Duly authorised to sign the Bid for and on behalf of

PRICE SCHEDULE

1. The Price Schedule must provide a detailed cost breakdown for each item.
2. Technical descriptions for each proposed item must provide sufficient detail to allow the Purchaser to determine compliance of Bid with specifications as per Schedule of Requirements and Technical Specifications of this ITB.
3. Estimated weight/volume of the consignment must be part of the documentation submitted.
4. All prices/rates quoted must be exclusive of all taxes, since the United Nations, including its subsidiary organs, is exempt from taxes.
5. The format shown on the following pages should be used in preparing the Price Schedule. The format uses a specific structure which may or may not be applicable but are indicated to serve as examples.
6. In addition to the hard copy, if possible please provide also the information in electronic format.

Name of Bidder:.....						
LOT 1 - Pathology lab equipment						
Item nr	Item	Description	Unit	Unit Price	Quantity Required	Total Price per item
1	Multistainer with coverslipper				1	
1.1	Slides				15,000	
1.2	Coverslip				15,000	
2	Semiautomatic microtome				1	
2.1	Blades				5	
3	Histobath				2	
4	Histoplate				2	
5	Incubator for histology				1	
6	Trinocular Microscope				3	
7	Polarized light Microscope				1	
8	Phase contrast Microscope				1	
9	Trinocular Microscope with immersion				6	
10	Training		days		5	
11	Warranty and maintenance services		years		2	
12	Metrological certifications					
13	Delivery and installation					
	GRAND TOTAL					
LOT 2 - Analytical equipment						
Item nr	Item	Description	Unit	Unit Price	Quantity Required	Total Price per item
1	Atomic absorption spectrometer				1	
2	Microwave Digestion System				1	
3	High Performance Liquid Chromatograph				1	
4	Gas Chromatograph				1	
4.1	Vials				300	
4.2	Vial caps				300	
4.3	Ferrules				10	
4.4	Nuts				4	
4.5	Liner				1	
5	Drug detection system				1	
6	Semiautomatic preparing system				1	
7	Water purification system				1	

8	N2 generator				1	
9	Rotary evaporator				1	
10	Training		days		5	
11	Warranty and maintenance		years		2	
12	Metrological certifications					
13	Delivery and installation services					
	GRAND TOTAL					
LOT 3 - General lab equipment						
Item nr	Item	Description	Unit	Unit Price	Quantity Required	Total Price per item
1	Electric stirrer				1	
2	Laboratory centrifuge				2	
3	Ultrasonic bath				1	
4	Laboratory incubator				1	
5	Colposcope				1	
6	UV box sterilizer				1	
7	Roentgen film developing system				1	
8	Gynecological couch				1	
9	Refrigerator for biological samples				29	
10	Training		days		3	
11	Warranty and maintenance services		years		2	
12	Metrological certifications					
13	Delivery and installation					
	GRAND TOTAL					

- *Unit price should be based on Incoterms used i.e. FOB/FCA/C&P/C&F/DU as the case may be.
- Note: In case of discrepancy between unit price and total, the unit price shall prevail.

Signature of Bidder

TECHNICAL COMPLIANCE FORM

1. The Technical Compliance Form must provide a detailed specification breakdown for each item.
2. Technical descriptions for each proposed item must provide sufficient detail to allow the Purchaser to determine compliance of Bid with specifications as per Schedule of Requirements and Technical Specifications of this ITB.
3. The format shown on the following pages should be used in preparing the Technical Compliance Form. The format shall indicate individual specifications for each item and/or any other specifications you may find relevant for this item.

Name of Bidder:.....			
LOT 1 - Pathology lab equipment			
Item	Item Description	Minimum required specification	Proposed specification
1	Multistainer with coverslipper		Proposed model: ...
	Stainer Type	Robotic- fully automatic	
	Number of cuvettes	At least 40	
	Cuvette volume	Between 350 and 450 ml	
	Drying station	1	
	Loading station	4	
	Unloading station	4	
	Water bath	At least 4	
	Number of protocols	At least 18	
	Protocols	Different basket to be able to run different protocol	
	Maxim capacity	At least 550 slides / hour	
	Safety	Fully enclosed, carbon filter	
	Display	Color LCD	
	Memory card	Yes, 4 GB capacity	
	Combination with cover slipper	Inline	
	Dispensing volume	Up to 220µl	
	Slide 26 x76mm capacity	120 pcs	
	Coverglass capacity	350pcs	
Consumables			
Slides	15,000 pcs		
Coverslip	15,000 pcs		
			Please indicate any other specifications you may find relevant for this item ...
2	Semiautomatic microtome		Proposed model: ...
	Safety lock on hand wheel in every position	Yes	
	Section thickness range	0 – 100 µm 0 – 2 in 0,5 µm 2 – 20 in 1 µm 20 – 50 in 2 µm 50 – 100 in 5 µm	
	Trimming thickness setting	0 – 300 µm free selectable	
	Vertical stroke	60mm	
	Display of cutting thickness and thickness during trimming	LCD	
	Specimen orientation	x-axis 8° y-axis 8° z-axis 360°	
	Specimen retraction	0 – 200 µm free selectable	

	Ready for use with all needed accessories	Yes	
	Microtome slides included	10 pcs	
	Consumables		
	Blades	5 pcs	
			Please indicate any other specifications you may find relevant for this item ...
3	Histobath		Proposed model: ...
	Heating capacity	Yes	
	Lid	Stainless steel	
	Interior	Teflon coated	
	Over temperature protection	Yes	
	Electronic temperature regulator	Yes	
	Temperature display	Yes	
	Temperature selection	Up to 100°C	
	Volume	At least 3 liters	
			Please indicate any other specifications you may find relevant for this item ...
4	Histoplate		Proposed model: ...
	Heated plate	Teflon coated	
	Temperature selectable	Up to 100°C	
	Electronic temperature controller with digital display	Yes	
	Dimensions of heated plate	At least 300x 250mm	
			Please indicate any other specifications you may find relevant for this item ...
5	Incubator for histology		Proposed model: ...
	Volume	110-120 liters	
	Display	Color LCD	
	Exterior	Stainless steel	
	Interior	Stainless steel	
	Forced air convection	Yes	
	Fan speed regulation	From 0% to 100%	
	Temperature	5°C above ambient-to 100°C	
	Temperature resolution	0,1°C	
	Temperature fluctuation	0,2°C	
	Over temperature protection	Class 3.1	
	Temperature-time profile	At least 6 segments	
			Please indicate any other specifications you may find relevant for this item ...
6	Trinocular Microscope		Proposed model: ...
	Illumination	White LED or halogen 35W with light intensity control	
	Observation	Bright field	
	Revolver	Quadruple	
	Head	Trinocular inclined 30° and rotatable 360°	
	Interpupillary adjustment	55-75mm	
	Diopter adjustment	On both eyepieces	
	Condenser	Abbe type. 1,25 with centering device	
	Objectives	4X, 10X, 40X, 60X anti-fungus treated	
	Stage	Size 160x140mm, specimen holder for 2 slides	
	Dust cover	Yes	

	Digital Camera	At least 5 Mp, C-mount type with all needed accessories for connection to the microscope and to the PC, software , live view possibility	
			Please indicate any other specifications you may find relevant for this item ...
7	Polarized light Microscope		Proposed model: ...
	Illumination	White LED or halogen 35W with light intensity control	
	Observation	Bright field, polarized light	
	Revolver	Quintuple with centering system	
	Head	Trinocular inclined 30° and rotatable 360°	
	Interpupillary adjustment	55-75mm	
	Diopter adjustment	On both eyepieces	
	Condenser	Rotatable polarizer with graduated scale	
	Objectives	4X, 10X, 25X, 40X and 63X anti-fungus treated	
	Stage	Size 160x140mm, specimen holder for 2 slides	
	Dust cover	Yes	
	Digital Camera	At least 5 Mp, C-mount type with all needed accessories for connection to the microscope and to the PC, software , live view possibility	
8	Phase contrast Microscope		Proposed model: ...
	Illumination	White LED or halogen 35W with light intensity control	
	Observation	Bright field, dark filed, phase contrast	
	Revolver	Quintuple	
	Head	Trinocular inclined 30° and rotatable 360°	
	Interpupillary adjustment	55-75mm	
	Diopter adjustment	On both eyepieces	
	Condenser	Phase contrast condenser, bright field, dark field	
	Objectives	4X, 10XPh, 40 XPh, 100XPh anti-fungus treated	
	Stage	Size 160x140mm, specimen holder for 2 slides	
	Dust cover	Yes	
			Please indicate any other specifications you may find relevant for this item ...
9	Trinocular Microscope with immersion		Proposed model: ...
	Illumination	White LED or halogen 35W with light intensity control	
	Observation	Bright field	
	Revolver	Quadruple	
	Head	Trinocular inclined 30° and rotatable 360°	
	Interpupillary adjustment	55-75mm	
	Diopter adjustment	On both eyepieces	
	Condenser	Abbe type. 1,25 with centering device	
	Objectives	4X, 10X, 40 X, 100X anti-fungus treated	
	Stage	Size 160x140mm, specimen holder for 2 slides	
Dust cover	Yes		

			Please indicate any other specifications you may find relevant for this item ...
Common requirements for Lot 1			Compliance with common requirements
Data Connection	When required, data connection (Interface to personal computer) may be RS232C, RS423, IEEE-488, LAN or USB. A 5 m appropriate cable with standard PC connector will be supplied.		
Software	Unless otherwise specified, any special software needed to operate the item(s) proposed should be supplied. The software should operate on a standard Windows compatible PC along with the data cable mentioned above. If there is a specific requirement for the PC, it should be mentioned in the offer.		
Environmental conditions	Unless otherwise specified, equipment to be procured will be used in controlled environment with temperature 20±3°C, and relative humidity 55±15 %. Electricity supply is 230±30 V and 50 Hz.		
Quality	Good Laboratory Practice (GLP), CE Certificate, ISO 9001 Certificate		

Name of Bidder:.....

LOT 2 - Analytical equipment

Item	Item Description	Minimum required specification	Proposed specification
1	Atomic absorption spectrometer		Proposed model: ...
	Wavelength Range	190nm – 900nm	
	Monochromator	Czerny-Turner Configuration	
	Spectral Bandwidth	0.1nm, 0.2nm, 0.4nm, 1.0nm, 2.0nm, (software selectable).	
	Wavelength Accuracy	± 0.15nm	
	Wavelength Reproducibility	< 0.05nm	
	Resolution	0.2nm ± 0.02nm	
	Baseline Stability	0.005A/30min	
	Sensitivity (Cu)	2 µg/ml Absorption > 0.28A (flame)	
	Detection Limit	Cu < 0.004 µg/ml (flame) Cd < 0.4 x 10-12 g (graphite furnace)	
	Repeatability	Cu < 0.7% (Air/Acetylene flame) Ba < 1.0% (Nitrous oxide/Acetylene flame) Cu < 2.0% Cd < 2.0% (Graphite Furnace)	
	Position Adjustment	Automatic changeover	
	Safety Functions	Burner Identification, Flame Sensor, Gas leak Sensor, Low Gas Pressure Sensor, Drain Trap Sensor, Power Loss Protection, Circulation Water (graphite), Over Temperature Sensor (graphite). For Hg analyse the system must be supplied with protection capsule for operator safety.	
	Hydride generator	Electro-heating, continuous flow peristaltic pump with speed control, high efficiency mixing section and gas-liquid separation	
	Autosampler	For flame and graphit	
	Monoelement lamps	Cu, Zn, Pb, As, Hg, P, Cr, Mn, Cd, Tl, Ba, Sb	
	Computer	Processor 3Ghz, 2GB RAM, 500GB HDD, 19" LCD monitor, Windows 7 license	

			Please indicate any other specifications you may find relevant for this item ...
2	Microwave Digestion System		
	System with high-pressure capabilities to enhance digestion quality while decreasing digestion time	Yes	
	Operation and full computer control of temperature and power	Yes	
	Software with direct control and sensing of temperature with real-time graphic display, automatic data storage, unlimited method storage, and complete record of instrument parameters	Yes	
	External PC with software control	Yes	
	Top-loading with safety interlocks	Yes	
	Fume exhaust module	Yes	
	Teflon lining of oven cavity	Yes	
	Continuous temperature monitoring and control	Yes	
	Release of acid fumes into collection reservoir in vessel carousel	Yes	
	Automatic pressure release mechanism in oven cavity	Yes	
	Number of Vessels	6	
	Operating Pressure	400psi	
	Operating Temperature	250°C	
	Temperature Sensor	1	
	Vessel Volume	60mL	
	Microwave Power	1200W	
Magnetron Frequency	2450 Mhz		
			Please indicate any other specifications you may find relevant for this item ...
3	High Performance Liquid Chromatograph		
	Quaternary Pump		
	Hydraulic system	Dual piston in series pump with servo-controlled variable stroke drive, floating pistons	
	Settable flow range	Set points 0.001 - 10 mL/min, in 0.001 mL/min increments	
	Flow range	Up to 10.0 mL/min	
	Flow precision	<= 0.05 % RSD or <= 0.01 min SD whichever is greater	
	Flow accuracy	± 0,1 %	
	Pressure operating range	Operating range up to 60 MPa (600 bar, 8700 psi) up to 10 mL/min	
	Pressure pulsation	Typically < 0.2 MPa (2 bar) or <1% whichever is greater	
Compressibility compensation	User selectable, based on mobile phase compressibility		

Gradient formation	Low pressure quaternary mixing/gradient capability	
Composition precision	< 0.15 % SD at 1 mL/min	
Integrated degassing unit	Number of channels: 4 Internal volume per channel: 1.5 mL	
Control	By software	
Local control	Touch screen	
Communications	Controller-area network (CAN), RS-232C, APG Remote: ready, start, stop and shut-down signals, LAN optional	
Safety and maintenance	Extensive diagnostics, error detection and display, leak detection, safe leak handling, leak output signal for shutdown of the pumping system. Low voltage in major maintenance areas.	
Degasser	4 channel, integrated	
Injector		
Injection methods	Full-loop and partial-loop injections	
Injection loop	20 µL sample loop	
Column Thermostat		
Temperature range	6°C... 80 °C	
Temperature stability	± 0.1 °C	
Temperature accuracy	± 0.5 °C	
Column capacity	Four 30 cm columns	
Heat-up/cool-down time	15 min from 20 °C to 50 °C 15 min from 50 °C to 20 °C	
DAD Detector		
Detector type	1024-element diode array, single-beam	
Light source	Deuterium lamp, tungsten lamp, temperature control for both lamps	
Number of signals	8	
Maximum sampling rate	100 Hz (both spectra and signals)	
Short-term noise	Wide slit: < ±8 µAU at 254 nm Narrow slit: < ±10 µAU at 254 nm response time 2 s (according to ASTM time constant ~1 s), 4 nm bandwidth, water at 1.0 mL/min	
Drift	< 1 mAU/h (typically < 0.5 mAU/h) at 254 and 520 nm with water at 1.0 mL/min	
Linearity	< 3% RSD and corr. coeff. > 0.9995 up to 1.5 AU, typically < 5% RSD and corr. coeff. > 0.999 up to 2.0 AU	
Wavelength range	190-800 nm	
Wavelength accuracy	±1.0 nm	
Slit width	Narrow or wide	
Pixel Resolution	<1 nm	
Flow cells	Standard (Stainless Steel) 13-µL volume, 10 mm-cell path length, 120 bar (1740 psi) pressure maximum	
RI Detector		
Detection type	Deflection method	
Short-term noise	<2.5 × 10 ⁻⁹ RIU	
Drift	< 200 × 10 ⁻⁹ RIU/h	
Refractive index range	1.00–1.75, calibrated	
Range	0.25 to 512 µRIU	
Linearity	600 µRIU	
Flow cell	8 µL, 5 bar pressure maximum	
Temperature control	30 °C to 50 °C	
Maximum flow rate	10 ml/min	
Time programmable	Polarity, peak width	

	Response	0.1, 0.25, 0.5, 1.0, 1.5, 2.0, 3.0, 6.0 s	
	Zero adjustment	Optical and electronic autozero	
	Analog output	Recorder/integrator: 10 mV or 1 V	
	Communications	RS-232, remote ready, start and shutdown signals	
	Software	Yes	
	Accessories		
	Syringe	3 pcs of 100 µL	
	Column	C18, 250 mm, ID 4.6, 5 µm	
	Computer	Processor 3Ghz, 2GB RAM,500GB HDD, 19" LCD monitor, Windows 7 license	
	Laser printer	10 pages/min, B/W	
			Please indicate any other specifications you may find relevant for this item ...
4	Gas Chromatograph		
	GC/FID/TOF-MS/HS		
	Number of injectors to be installed simultaneously in a chromatograph	3	
	Number of detectors to be installed simultaneously in a chromatograph	3	
	Column oven		
	Volume	12-13 L	
	Operating temperature	5 above ambient to 500 °C	
	Temperature resolution	0.1°C	
	Number of programmable steps of oven temperature	25	
	Max Heating Ramp Rate	140°C/min, 0.1 °C/min resolution	
	Isothermal time	0.00 to 999.00 min, 0.01 min resolution	
	Injector (2 units) Split/Splitless		
	Temperature	Up to 450°C, 1°C resolution	
	Injector Carrier gas max total flow	1000 mL/min	
	Injector Pressure range	0 - 120 psi	
	Control type by flow lines of carrier-gases	Digital flow controller	
	Detector FID		
	Temperature	Up to 450°C, 1°C resolution	
	Linear dynamic range	> 10 ⁷	
	Minimum Detectable Level	1.8 pg Carbon/sec	
	Data Acquisition Rate	300 Hz	
	Flame Ignition	Automatic, software controlled	
	Detector TOF-MS		
	Mass Range	2-1024 amu	
	Scan Rate	30,000 spectra/s (up to 1,000 Hz written to disk) equivalent to 1,024,000 u/sec	
	Acquisition speed	Up to 1000 spectra/sec full scan	
	Resolution	2000 on m/z/219	
	Sensitivity	1pg/uL OFN S/N > 150:1 (RMS) in standard operating conditions; S/N>500:1 (RMS in high sensitivity mode full scan	
	Linearity	10 ⁵	
	Tune Modes	AutoTune and Manual Tune	
	Ion Source Mode	EI - Electronic Impact	
	Ion Source Type	Inert EI source	
	Source Temperature	Up to 220°C	
	Heating rate	Up to 140° C / min	

	Detector	Electron Multiplier	
	Filaments	Dual filament	
	Transfer Line Temperature	Up to 300°C	
	Vacuum System	Integrated oil free baking membrane pump @ 0.2m3/h Two Turbo-molecular Pumps (250 L/s and 70 L/s)	
	MS Library	NIST mass spectral library - the most updated version available on market	
	Head Space		
	Tray capacity	40-50 vials	
	Samples	Glass vials 20 ml	
	Sample path	Silco-treated stainless steel	
	Vial movement	X -Y robotic arm and gripper	
	Oven		
	Capacity	6 vials	
	Heating temperature	15°C above ambient up to 200°C, 1°C resolution	
	Heating time	From 1 to 300 min, 0.1 min resolution	
	Heating	Electrical with forced air	
	Shaking	No, soft or fast regime	
	Manifold		
	Temperature	15°C above ambient up to 200°C, 1°C resolution	
	Heating	Electrical	
	Sampling valve	6 ports, electrically actuated	
	Sampling loop	1 ml standard, 3 ml available	
	Press and vent valves	On - off solenoid valve	
	Transfer line		
	Temperature	15°C above ambient up to 220°C, 1°C resolution	
	Heating	Electrical	
	Needle	Removable, standard and for on-column injector	
	Dimensions	1 m length, 0.8 mm i.d	
	Column	30m, diam 0.53mm, particle 3.00u	
	Column	25mm, diam 0.25mm, particle 0.25um	
	Computer	Processor 3Ghz, 2GB RAM,500GB HDD, 19" LCD monitor, Windows 7 license	
	Consumables		
	Vials	300 pcs	
	Vial caps	300 pcs	
	Ferrules	10 pcs	
	Nuts	4 pcs	
	Liner	1 pcs	
			Please indicate any other specifications you may find relevant for this item ...
5	Drug detection system- similar to "Toxilab AB Plus"		
	Method	Thin layer chromatography	
	Screening method for polydrug specimens	Yes	
	Supplied with database for drugs photo-documentation	Yes	
	Supplied with	100 tubes, 100 disks blank, 50 disks B1 type, 50 disks B2 type, 50 disks B3 type, 50 disks B4 type, 6 sets of reagents concentrated B1, B2 and B3 or similar	

	Ready to use system	Yes	
			Please indicate any other specifications you may find relevant for this item ...
6	Semiautomatic preparing system		
	Application	Sample clean up Sample preparation for pesticide analysis, active pharmaceutical compounds, drugs.	
	Type	Gel permeation chromatography	
	Injection	Manual	
	Sample processing	Automatically	
	Number of columns	One, upgradable to four	
	Display	Touch screen	
	PC connection	Yes	
	Column refill on site	Yes	
	User protection	The column to be encased in a aluminum sheath	
			Please indicate any other specifications you may find relevant for this item ...
7	Water purification system		
	Application	HPLC, GC/MS, AA	
	Water type	Type 1 according to ISO3696	
	Resistivity	18.2MΩ-cm	
	UV lamp	Yes	
	TOC, ppb	1-5	
	Bacteria, CFU/ml	<1	
	Output	15 L/ day	
	Internal non-contaminating reservoir	At least 6 liters	
	Feed water	Distilled water	
	Standby function	Yes	
	Final filter	0.2 micron	
	Set of filters	Yes. Complete package depending on configuration	
8	N2 generator		
	Application	Gas chromatograph connection	
	Purity	99.9995%	
	N2 Flow rate	1 L/min	
	Air Flow rate	1,5 L/min	
	Outlet pressure	5,5 bars	
	Integrated air compressor	Yes	
	PSA technology	Yes	
	Touch screen	Yes	
	Flow produced indication	Yes	
	Energy saving mode	Yes	
			Please indicate any other specifications you may find relevant for this item ...
9	Rotary evaporator		
	Application	Sample preparation	
	Rotation speed	20-270rpm	
	Speed set	Digital set of rotation speed with display	
	Lift	Motor lift 18mm/sec	
	Heating bath temperature range	20-180°C	
	Over heat protection	Yes	
	Heating bath volume	4-5 liters	

	Digital display of vapor temperature	Yes	
	Timer	Automatic cut off at the end of distillation	
	Remote control	Yes	
	Protection class	IP 20	
	Supplied with G3 set	Yes	
	Modular design with waterbath, vacuum pump and operating panel	Yes	
			Please indicate any other specifications you may find relevant for this item ...
Common requirements for Lot 2			Compliance with common requirements
Data Connection	When required, data connection (Interface to personal computer) may be RS232C, RS423, IEEE-488, LAN or USB. A 5 m appropriate cable with standard PC connector will be supplied.		
Software	Unless otherwise specified, any special software needed to operate the item(s) proposed should be supplied. The software should operate on a standard Windows compatible PC along with the data cable mentioned above. If there is a specific requirement for the PC, it should be mentioned in the offer.		
Environmental conditions	Unless otherwise specified, equipment to be procured will be used in controlled environment with temperature 20±3°C, and relative humidity 55±15 %. Electricity supply is 230±30 V and 50 Hz		
Consumables	For Item 1: Atomic absorption spectrometer please quote separately prices for each lamp requested		
Quality	Good Laboratory Practice (GLP), CE Certificate, ISO 9001 Certificate		

Name of Bidder:.....			
LOT 3 - General lab equipment			
Item	Item Description	Minimum required specification	Proposed specification
1	Electric stirrer		Proposed model: ...
	Vibration orbit	5mm	
	Speed	2500rpm	
	Continuous operation or automatic	Yes	
	Adapter for 10 ml tubes	Yes	
			Please indicate any other specifications you may find relevant for this item ...
2	Laboratory centrifuge		
	Centrifugation speed	100 rpm to 18000 rpm variable speed	
	Maximum capacity	At least 1000ml	
	Rotor	Swing out type, speed 5000 RMP for 4 x 250ml tubes, 32 x 10-15ml tubes with all needed buckets, adapters and tubes	
	Display	LCD	
	Memory	At least 100 programs	
	Timer	0-99min 59s and continuous	
	Automatic rotor identification	Yes	
Unbalance warning	Yes		

			Please indicate any other specifications you may find relevant for this item ...
3	Ultrasonic bath		
	Capacity	2,5-3,5 litres	
	House and cleaning tank	Stainless steel	
	Temperature range regulated by microprocessor	30-80°C	
	Auto degas function	Yes	
	Display	LED	
	Working frequency	25-40 Hz	
	Cover	Stainless steel	
	Basket	Yes	
			Please indicate any other specifications you may find relevant for this item ...
4	Laboratory incubator		
	Volume	55-65 liters	
	Exterior	Stainless steel	
	Interior	Stainless steel	
	Forced air convection	Yes	
	Fan speed regulation	From 0% to 100%	
	Temperature	5°C above ambient - to 100°C	
	Temperature resolution	0,1°C	
	Temperature fluctuation	0,2°C	
	Over temperature protection	Class 3.1	
	Aver temperature alarm	Yes	
	Temperature-time profile	At least 6 segments	
	Display	Color LCD	
	Network connection	Yes	
			Please indicate any other specifications you may find relevant for this item ...
5	Colposcope		
	Type	Videocolposcope	
	Autofocus	Up to 30 cm	
	Electronic green filter	Yes	
	Continuous zoom	1-40X	
	Image processor	Color CCD	
	Pixels	At least 2 Mpx	
	Resolution	825 TV lines	
	E-flip	Yes	
	S/N ratio	> 48DB	
	Light	LED	
	Color temperature	7000K	
	Video out	Yes	
	Memory card	Yes, 8GB	
	Photo possibility	Yes- at least 2 Mpx	
Safety standards	IEC 60601		
			Please indicate any other specifications you may find relevant for this item ...
6	UV box sterilizer		
	Application	Sterilizing surgical instrumentation	
	UV light	Yes	
	Box dimensions (W x D x H)	40 x 40 x 30 cm	

			Please indicate any other specifications you may find relevant for this item ...
7	Roentgen film developing system		
	Film transport	Continuous roller transport system	
	Film formats	Up to 35cm width	
	Processing capacity	125 films 24 x30cm	
	Tank capacities	Developer, fixer and washing 5 liters each	
	Developer temperature	28-37°C adjustable	
	Water consumption	No more than 2liter/min when processing	
	Drain capacity	7 litres / minute	
	System protection	IP20	
	Noise level	Less than 60dB	
			Please indicate any other specifications you may find relevant for this item ...
8	Gynecological couch		
	Weight capacity	Up to 180 Kg	
	3 segments construction	Yes	
	Segment independent adjustment	Yes, with manual or automatic adjustment	
	Surface	Washable	
	Foot support	Yes	
	Paper roll holder	Yes	
			Please indicate any other specifications you may find relevant for this item ...
9	Refrigerator for biological samples		
	Volume	100 +/- 15 Litres	
	Energy class	A+	
	Interior	Antibacterial surface easy to clean	
	Shelves	2	
	Temperature	2- 6°C	
			Please indicate any other specifications you may find relevant for this item ...
Common requirements for Lot 3			Compliance with common requirements
Data Connection	When required, data connection (Interface to personal computer) may be RS232C, RS423, IEEE-488, LAN or USB. A 5 m appropriate cable with standard PC connector will be supplied.		
Software	Unless otherwise specified, any special software needed to operate the item(s) proposed should be supplied. The software should operate on a standard Windows compatible PC along with the data cable mentioned above. If there is a specific requirement for the PC, it should be mentioned in the offer.		
Environmental conditions	Unless otherwise specified, equipment to be procured will be used in controlled environment with temperature 20±3°C, and relative humidity 55±15 %. Electricity supply is 230±30 V		
Quality	Good Laboratory Practice (GLP), CE Certificate, ISO 9001 Certificate		

BID/PROPOSAL SECURITY FORM

To: The procuring entity,

Whereas [*name of bidder*] (hereinafter called the “Bidder”) has submitted its bid dated [*date submission of bid*] for the provision of [*description of service*] (hereinafter called Bid).

KNOW ALL PEOPLE by these presents that WE [*name of bank*], having our registered office at [*address of bank*] (hereinafter called the “Bank”), are bound unto [*name of Purchaser*] (hereinafter called the “Purchaser”) in the sum of for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common seal of the said Bank thisday of.....2000.

THE CONDITIONS of this obligation are:

- 1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Submission Form; or
- 2. If the Bidder, having been notified of the acceptance of its Bid by the Purchaser during the period of validity of the bid:
 - (a) fails or refuses to execute the Contract Form, or
 - (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Bidders;

we undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including thirty (30) days after the period of validity of the bid, and any demand in respect thereof should reach the Bank not later than the above date.

.....

Signature of the Bank

Performance Security Form

We [Bank name] have been informed that the United Nations Development Programme (hereinafter called “the UNDP”) which has its Headquarter in New York concluded on date _____ a contract [*contract title and No.*] with [*Name of the company*] hereinafter referred to as “the Contractor” whom has its headquarter in _____ at a total price of _____ US dollars (\$ _____), to execute [*Insert title of contract and brief description of works*].

Whereas it has been stipulated in the Contract that the Contractor shall furnish the UNDP with a Bank Guarantee by a recognized Bank for the sum specified thereinafter as security for compliance with his obligations in accordance with the Contract,

Whereas we have agreed to give the UNDP such a Bank Guarantee

And according to this contract, UNDP is required to make an advance payment to the Contractor of _____ US\$, being ____ % of the total price.

Now therefore, this being stated, we, [BANK NAME] [BANK BRANCH], irrespective of the validity and the legal effect of the above mentioned contract and waiving all rights of objection and defense arising therefrom, hereby irrevocably affirm we are the Guarantor and responsible to you, and on behalf of the Contractor undertake to pay you, upon your first written demand and without cavil or argument any sum or sums within the limits of [INSERT AMOUNT OF GUARANTEE IN FIGURES AND IN WORDS] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract Documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the date of issue of the Taking-Over Certificate

This guarantee is revocable only with the written consent of the UNDP.

Parties hereby agree on the terms of this bank’s guarantee letter.

SIGNATURE AND SEAL: _____
Name of Bank/ Financial

Institution: _____

Adresse: _____

Sate: _____