



## REQUEST FOR QUOTATION (RFQ)

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| RFQ Reference: <b>RFQ-2021-069 “Purchase and installation of the X- ray inspection system for the inspection of baggage and goods (introscope)”</b> | Date: 17 September 2021 |
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### SECTION 1: REQUEST FOR QUOTATION (RFQ)

UNDP kindly requests your quotation for the purchase and installation of the X- ray inspection system for the inspection of baggage and goods (introscope) as detailed in Annex 1 of this RFQ.

This Request for Quotation comprises the following documents:

Section 1: This request letter

Section 2: RFQ Instructions and Data

Annex 1: Schedule of Requirements

Annex 2: Quotation Submission Form

Annex 3: Technical and Financial Offer

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted using Annex 2: Quotation Submission Form and Annex 3 Technical and Financial Offer, by the method and by the date and time indicated in Section 2. It is your responsibility to ensure that your quotation is submitted on or before the deadline. Quotations received after the submission deadline, for whatever reason, will not be considered for evaluation.

Thank you and we look forward to receiving your quotations.

Best regards,

*Dana Amanova*

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Dana Amanova,  
UNDP Operations Manager

Date: 16-Sep-2021

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**SECTION 2: RFQ INSTRUCTIONS AND DATA**

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| <b>Introduction</b>                                 | <p>Bidders shall adhere to all the requirements of this RFQ, including any amendments made in writing by UNDP. This RFQ is conducted in accordance with the <a href="#">UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement</a></p> <p>Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this RFQ.</p> <p>UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website.</p>                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Deadline for the Submission of Quotation</b>     | <p><b>05 October 2021 at 14:00 by Nur-Sultan time (GMT+6)</b></p> <p>If any doubt exists as to the time zone in which the quotation should be submitted, refer to <a href="http://www.timeanddate.com/worldclock/">http://www.timeanddate.com/worldclock/</a>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Method of Submission</b>                         | <p>Quotations must be submitted as follows:</p> <p><input checked="" type="checkbox"/> Dedicated Email Address</p> <p>Bid submission address: <a href="mailto:procurement.kz@undp.org">procurement.kz@undp.org</a></p> <ul style="list-style-type: none"> <li>▪ File Format: PDF</li> <li>▪ File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard.</li> <li>▪ All files must be free of viruses and not corrupted.</li> <li>▪ Max. File Size per transmission: 20 MB</li> <li>▪ Mandatory to indicate subject and reference number</li> <li>▪ Multiple emails must be clearly identified by indicating in the subject line “email no. 1 of 5”, and the final “email no. 5 of 5.”</li> <li>▪ It is recommended that the entire Quotation be consolidated into as few attachments as possible.</li> </ul>                                                                                                                                                                                                                  |
| <b>Cost of preparation of quotation</b>             | <p>UNDP shall not be responsible for any costs associated with a Supplier’s preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Supplier Code of Conduct, Fraud, Corruption,</b> | <p>All prospective suppliers must read the United Nations Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes <b>principles on labour, human rights, environment and ethical conduct</b> may be found at: <a href="https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct">https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct</a></p> <p>Moreover, UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors to observe the highest standard of ethics during the procurement process and contract implementation. UNDP’s Anti-Fraud Policy can be found at <a href="http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_an_dinvestigation.html#anti">http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_an_dinvestigation.html#anti</a></p> |
| <b>Gifts and Hospitality</b>                        | <p>Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches, dinners or similar. In pursuance of this policy, UNDP: (a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question; (b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.</p>                                                                                                                                                                                                                                                                                                                                                                     |

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| <b>Conflict of Interest</b>                     | <p>UNDP requires every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ. Bidders shall strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified.</p> <p>Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this RFQ.</p> <p>The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this RFQ, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.</p> |
| <b>General Conditions of Contract</b>           | <p>Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to the General Conditions of Contract</p> <p>Select the applicable GTC:</p> <p><input checked="" type="checkbox"/> <a href="#">General Terms and Conditions for de minimis contracts</a></p> <p>Applicable Terms and Conditions and other provisions are available at <a href="#">UNDP/How-we-buy</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Special Conditions of Contract</b>           | <p><input checked="" type="checkbox"/> Cancellation of PO/Contract if the delivery/completion is delayed by 30 days</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Eligibility</b>                              | <p>A vendor who will be engaged by UNDP may not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations. Failure to do so may result in termination of any contract or PO subsequently issued to the vendor by UNDP.</p> <p>It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP.</p> <p>Bidders must have the legal capacity to enter a binding contract with UNDP and to deliver in the country, or through an authorized representative.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Currency of Quotation</b>                    | <p>Quotations shall be quoted in Kazakhstani Tenge (For Local Bidders) or USD (For International Bidders)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Joint Venture, Consortium or Association</b> | <p>If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that : (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture, Consortium or Association.</p> <p>Refer to Clauses 19 – 24 under <a href="#">Solicitation policy</a> for details on the applicable provisions on Joint Ventures, Consortium or Association.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Only one Bid</b>                             | <p>The Bidder (including the Lead Entity on behalf of the individual members of any Joint Venture, Consortium or Association) shall submit only one Bid, either in its own name or, if a joint venture, Consortium or Association, as the lead entity of such Joint Venture, Consortium or Association.</p> <p>Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</p> <p>a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or</p> <p>b) they have the same legal representative for purposes of this RFQ; or</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                                                                             | <p>c) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of, another Bidder regarding this RFQ process;</p> <p>d) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or</p> <p>e) some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this RFQ process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Duties and taxes</b>                                                     | <p>Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNDP as a subsidiary organ of the General Assembly of the United Nations, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All quotations shall be submitted net of any direct taxes and any other taxes and duties, unless otherwise specified below:</p> <p>All prices must:</p> <p><input checked="" type="checkbox"/> be inclusive of VAT and other applicable indirect taxes</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Language of quotation</b>                                                | <p>Russian or English</p> <p>Including documentation including catalogues, instructions and operating manuals.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Documents to be submitted</b><br><br><b>Minimum Eligibility Criteria</b> | <p>Bidders shall include the following documents in their quotation:</p> <p><input checked="" type="checkbox"/> Annex 2: Quotation Submission Form (Annex 2) duly completed and signed</p> <p><input checked="" type="checkbox"/> Annex 3: Technical and Financial Offer (Annex 3) duly completed and signed and in accordance with the Schedule of Requirements in Annex 1</p> <p><input checked="" type="checkbox"/> Latest Business Registration Certificate;</p> <p><input checked="" type="checkbox"/> VAT Certificate (if applicable);</p> <p><input checked="" type="checkbox"/> Certificate confirming that currently Company doesn't have any debts with the tax authorities;</p> <p><input checked="" type="checkbox"/> Brief description of the Company/ Company Profile. Brief description must demonstrate Company's at least 7 years of experience in selling relevant equipment. Bidder may provide copies of PO/Contract with a list of similar deliveries over the last 5 years (indicating to whom and when the goods were delivered, with the Customer's contact information);</p> <p><input checked="" type="checkbox"/> A complete set of documents with information about the supplied goods (photo, technical specification, user manual);</p> <p><input checked="" type="checkbox"/> Permit of the manufacturer to act as an official dealer or a Certificate of Exclusive Distributor (if the Supplier is not a manufacturer);</p> <p><input checked="" type="checkbox"/> State license for the provision of services in the field of atomic energy with a subspecies of maintenance, installation, dismantling, charging, recharging, repair of devices and installations, including medical ones, containing radioisotope sources of ionizing radiation or generating ionizing radiation, X-ray inspection equipment for the control of hand luggage and baggage;</p> <p><input checked="" type="checkbox"/> Delivery schedule with approximate date of delivery of goods;</p> <p><input checked="" type="checkbox"/> Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;</p> <p><input checked="" type="checkbox"/> Written confirmation that:</p> <ol style="list-style-type: none"> <li>1) all equipment and materials must be new, in the factory packaging, not previously used;</li> <li>2) Packaging of equipment/goods will ensure safety during transportation;</li> <li>3) The Company will provide a minimum of 12 months warranty on the equipment from the time the goods are handed over to the end-user at the address specified;</li> <li>4) In the event of a warranty, the Company will carry out repairs at its own expense or provide replacement with new equipment if repair is not possible;</li> <li>5) Availability of a service centres or a technical support service if maintenance/repair is required, providing the address and contact details of the responsible person;</li> <li>6) Maintenance services must be provided for 1 additional year upon guarantee expiring;</li> <li>7) Letter of guarantee confirming that the Supplier has instructed at least seven (7) employees of the Customer on the rules of the exploitation and maintenance of the Goods, reflected in the act of acceptance of the good into exploitation;</li> <li>8) Acceptance of UNDP General Terms and Conditions;</li> </ol> |

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|                                                                            | <p>9) Delivery time is not more than 30 calendar days from the date of signing the Agreement (purchase order) in UNDP format;</p> <p>10) Letter of guarantee confirming the installation, start-up of the supplied Goods and training of the Customer's employees on how to use the equipment. Related services must be provided by the Supplier's specialists trained at the manufacturer's office: at least 2 employees with at least 5 years of experience in working with X- ray inspection system, notarized copies of certificates must be attached as part of the application;</p> <p>11) If required (by the request of the Customer), to support the Customer in collecting the necessary documents and completion of the procedure for obtaining a license to handle devices and installations that generate ionizing radiation (if necessary);</p> |
| <b>Quotation validity period</b>                                           | Quotations shall remain valid for 90 days from the deadline for the Submission of Quotation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Price variation</b>                                                     | No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted at any time during the validity of the quotation after the quotation has been received.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Partial Quotes</b>                                                      | <input checked="" type="checkbox"/> Not permitted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Alternative Quotes</b>                                                  | <input checked="" type="checkbox"/> Not permitted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Payment Terms</b>                                                       | <input checked="" type="checkbox"/> 100% within 20 days after receipt of goods, works and/or services and submission of payment documentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Conditions for Release of Payment</b>                                   | <input checked="" type="checkbox"/> Invoice and Written Acceptance of Goods, Services and Works, based on full compliance with RFQ requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Contact Person for correspondence, notifications and clarifications</b> | <p>E-mail address: <a href="mailto:irena.jurczynska@undp.org">irena.jurczynska@undp.org</a></p> <p>Attention: Quotations shall not be submitted to this address but to the address for quotation submission above. Otherwise, offer shall be disqualified.</p> <p>Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.</p>                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Clarifications</b>                                                      | Requests for clarification from bidders will not be accepted any later than 5 days before the submission deadline. Responses to request for clarification will be communicated 01 October 2021 by publishing on the UNDP Procurement Notice website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Evaluation method</b>                                                   | <input checked="" type="checkbox"/> The Contract or Purchase Order will be awarded to the lowest price Technically compliant offer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Evaluation criteria</b>                                                 | <input checked="" type="checkbox"/> Full compliance with all requirements as specified in Annex 1<br><input checked="" type="checkbox"/> Full acceptance of the General Conditions of Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Right not to accept any quotation</b>                                   | UNDP is not bound to accept any quotation, nor award a contract or Purchase Order                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Right to vary requirement at time of award</b>                          | At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25% ) of the total offer, without any change in the unit price or other terms and conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Type of Contract to be awarded</b>                                      | <input checked="" type="checkbox"/> Purchase Order<br><input checked="" type="checkbox"/> <a href="#">Contract Face Sheet</a> (Goods and-or Services)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Expected date for contract award.</b>                                   | 01 November 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| <b>Publication of Contract Award</b> | UNDP will publish the contract awards valued at USD 100,000 and more on the websites of the CO and the corporate UNDP Web site. |
| <b>Policies and procedures</b>       | This RFQ is conducted in accordance with <a href="#">UNDP Programme and Operations Policies and Procedures</a>                  |

## ANNEX 1: SCHEDULE OF REQUIREMENTS

### RFQ-2021-069 “Purchase and installation of the X- ray inspection system for the inspection of baggage and goods (introscope)”

Project number: 49699

Purchase object: Purchase and installation of the X- ray inspection system for the inspection of baggage and goods (introscope)

Equipment delivery address: Nur-Sultan, st. A. Mambetova, 14

Delivery time: 30 days upon contract signing (Purchase Order)

Contract form: UNDP Contract (Purchase Order)

#### 1. General information and rationale:

The purpose: Non-contact inspection of goods and baggage to detect and prevent unauthorized transport (transportation) and use of potentially dangerous, prohibited and suspicious items on the territory of the building: clothes, packages, bags, possible items of weapon, components of explosive devices, as well as other hidden unauthorized items.

**To the attention of Potential Suppliers: payment for the delivered goods is made upon delivery of the equipment within 20 calendar days from the date of the acceptance of the goods and signing the acceptance certificate of the goods.**

| <b>P / p No.</b> | <b>Introscope requirements for the inspection of small packages, cases, backpacks, bags</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>1.</b>        | <b>General provisions and requirements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1.1.             | The potential supplier must provide the technical specification of the proposed Product, the technical characteristics of which must correspond to the technical characteristics of the Product listed in the Technical specification of the Customer. Also, the following information should be indicated in the Technical Specification: a complete description of the composition of the proposed Product, its technical characteristics, brand, model, country of the origin, manufacturer, link to the manufacturer's website. |
| 1.2.             | The potential supplier must attach to the Technical Specification a letter of guarantee confirming the installation, start-up of the supplied Goods and training of the Customer's employees on how to use the equipment. Related services must be provided by the Supplier's specialists trained at the manufacturer's office: at least 2 employees with at least 5 years of experience in working with X- ray inspection system, notarized copies of certificates must be attached as part of the application.                    |
| 1.3.             | The potential supplier must attach to the Technical Specification a letter of guarantee confirming that the Supplier has instructed at least seven (7) employees of the Customer                                                                                                                                                                                                                                                                                                                                                    |

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|           | on the rules of the exploitation and maintenance of the Goods, reflected in the act of acceptance of the good into exploitation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1.4.      | A potential supplier in its application must provide a state license for the provision of services in the field of atomic energy with a subspecies of maintenance, installation, dismantling, charging, recharging, repair of devices and installations, including medical ones, containing radioisotope sources of ionizing radiation or generating ionizing radiation, X-ray inspection equipment for the control of hand luggage and baggage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.5.      | Delivery time is not more than 30 calendar days from the date of signing the Agreement (purchase order) in UNDP format;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1.6       | Place and terms of the delivery of Goods - in accordance with the terms of the Agreement (purchase order in UNDP format)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.7.      | Quantity of Goods to be delivered: 1 set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.8.      | Upon delivery of the Goods, the Supplier must provide: <ul style="list-style-type: none"> <li>1.Certificate of the origin and quality of the goods;</li> <li>2.Device passport in Russian;</li> <li>3.User manual / instruction in Russian</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1.9.      | The Supplier should have an office and service centers in Republic of Kazakhstan. Maintenance services must be provided for 1 additional year upon guarantee expiring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1.10      | If required (by the request of the Customer), to support the Customer in collecting the necessary documents and completion of the procedure for obtaining a license to handle devices and installations that generate ionizing radiation (if necessary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>2.</b> | <b>Specifications</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 2. 1      | <b>The introscope should provide:</b> <ul style="list-style-type: none"> <li>• Software in Russian</li> <li>• Separation of objects in the image: at least six colors depending on the atomic number and density;</li> <li>• Magnification: not less than 9 areas of the image</li> <li>• Atomic number measurement function</li> <li>• Image archive - at least 150,000 images</li> <li>• Baggage counter</li> <li>• Switching between color and black and white</li> <li>• Continuous search</li> <li>• Sequential at least 64-fold enlargement of the image</li> <li>• Selecting opaque areas of an image</li> <li>• Geometric Distortion Compensation</li> <li>• Penetration enhancement function</li> <li>• Commenting on images</li> <li>• Browsing Image Library</li> <li>• Saving images manually</li> <li>• Discrimination of materials</li> <li>• Multi-level access</li> <li>• TCP / IP LAN connection for remote control</li> <li>• Separation of materials into organic and inorganic</li> <li>• Operator training program</li> </ul> |

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <ul style="list-style-type: none"> <li>• Image enhancement function</li> <li>• Printer connectivity</li> <li>• Real-time image control</li> <li>• Real-time diagnostics</li> <li>• The presence of the function of switching the image positive-negative</li> <li>• Moving the enlarged image on the screen</li> <li>• Automatic detection of explosives and narcotic substances at a given atomic number.</li> <li>• Prohibited object projection software to check operator vigilance</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2.2 | <p><b>The introscope must have:</b></p> <ul style="list-style-type: none"> <li>• Tunnel size: width - not less than 600 mm and not more than 610 mm, height - not less than 400 mm and not more than 410 mm;</li> <li>• multilevel protection against unauthorized access with the ability to set an access level with a unique password for each operator and system administrator;</li> <li>• Conveyor speed - not less than 0.23 m / s;</li> <li>• Conveyor pulling force - not less than 165 kg;</li> <li>• Conveyor height from the floor: not less than 800 mm, but not more than 820 mm from the floor;</li> <li>• Introscope net weight: no more than 450 kg;</li> <li>• Introscope dimensions excluding roller tables: length no more than 1500 mm; width no more than 860 mm; height no more than 1340 mm;</li> <li>• Wheels with a diameter of at least 100 mm for mobile movement of the unit;</li> <li>• Input and output roller tables, each at least 500 mm long</li> </ul> |
| 2.3 | <p><b>Security inspection options:</b></p> <ul style="list-style-type: none"> <li>• Resolution - not less than 38 AWG</li> <li>• Penetration capacity (in steel) - not less than 37 mm</li> <li>• Contrast sensitivity: no less than 24 color tones, no less than 4096 shades of gray</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2.4 | <p><b>X-ray generator:</b></p> <ul style="list-style-type: none"> <li>• Anode voltage: rated not less than 160 kV, operating not less than 150 kV</li> <li>• Radiation source: Sealed, maintenance-free bulb</li> <li>• Source current: not less than 0.7 mA</li> <li>• Cooling: Air cooled oil bath</li> <li>• Beam direction: Diagonal up</li> <li>• Detector ruler: L-shaped, at least 1152 channels</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2.5 | <p><b>A computer:</b></p> <ul style="list-style-type: none"> <li>• The system unit should consist of modern specialized components developed for the X- ray inspection system to ensure reliable and uninterrupted operation, as well as a longer service life (RAM at least 4 GB, hard drive at least 500 GB, video card at least 1 GB)</li> <li>• OS: Windows</li> <li>• Built-in voltage regulator</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2.6 | <p><b>Information on the display:</b></p> <ul style="list-style-type: none"> <li>• Display type: LCD monitor - 1 pc., Diagonal not less than 19 "</li> <li>• Display resolution: at least 1280x1024</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2.7 | <p><b>Operating conditions:</b></p> <ul style="list-style-type: none"> <li>• At temperatures from 0 to + 40 ° C</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



|           |                                                                                                                                                           |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | <ul style="list-style-type: none"> <li>At air humidity: up to 95% (non-condensing)</li> <li>Power supply: 220V (+ / - 10%), 50 Hz 10/15 A max.</li> </ul> |
| <b>3.</b> | <b>Contents of delivery:</b>                                                                                                                              |
| 3.1.      | Introscope - 1 pc.                                                                                                                                        |
| 3.2.      | LCD display - 1 pc.                                                                                                                                       |
| 3.3.      | Input roller table - 1 pc.                                                                                                                                |
| 3.4.      | Output roller table - 1 pc.                                                                                                                               |

**Indispensable conditions:**

1. At least 1- year warranty for the supplied equipment
2. Maintenance service: 1 additional year upon expiring of guarantee

IMPORTANT!!! Due to the COVID 19 pandemic, the contractor is obliged to provide all necessary protective equipment for its employees and to comply with all WHO standards and recommendations for performing work during the epidemic. The service provider is responsible for the proper and timely provision of its employees involved in this Terms of Reference with all necessary personal protective equipment in accordance with the current WHO recommendations (masks, gloves, sanitizers, passing the COVID-19 test (if necessary)), for the entire term of the contract.

**QUALIFICATION REQUIREMENTS FOR A POTENTIAL SUPPLIER:**

The service provider can be a duly registered company/organization that meets the following requirements:

1. Have civil legal capacity to conclude agreements (certificate of registration/re-registration, constituent documents, Charter of organization);
2. Be solvent, not subject to liquidation, her or his property should not be seized, her or his financial and economic activities should not be suspended in accordance with the law (certificates confirming the absence of debts in acquiring banks and tax authorities, balance sheets for 2017-2019 years);
3. Have at least 7 years of experience in similar supplies;
4. Provide a list of services provided over the past 5 (five) years in the required area (name of the Customer, subject of services/tasks, year of service provision and the total amount of services performed (if possible), as well as reviews and recommendations from previous customers (at least 2 -NS);
5. To be a representative or distributor of the X- ray inspection system (introsopes) on the territory of the Republic of Kazakhstan;
6. Have a qualified and trained personnel / staff to complete activities;
7. Have a license in providing services in the field of use of atomic energy;
8. To provide a written confirmation that all equipment will be new, not used in original package;
9. Declaration on Bidder's letterhead that the Company is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists and have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization;
10. Written confirmation of General Terms and Conditions acceptance.

**ANNEX 2: QUOTATION SUBMISSION FORM**

*Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.*

|                 |                                                                                                                                      |                                     |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Name of Bidder: | Click or tap here to enter text.                                                                                                     |                                     |
| RFQ reference:  | <b>RFQ-2021-069 "Purchase and installation of the X- ray inspection system for the inspection of baggage and goods (introscope)"</b> | Date: Click or tap to enter a date. |

**Company Profile**

| Item Description                                                                                                                                                     | Detail                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Legal name of bidder or Lead entity for JVs                                                                                                                          | Click or tap here to enter text.                                                                |
| Legal Address, City, Country                                                                                                                                         | Click or tap here to enter text.                                                                |
| Website                                                                                                                                                              | Click or tap here to enter text.                                                                |
| Year of Registration                                                                                                                                                 | Click or tap here to enter text.                                                                |
| Legal structure                                                                                                                                                      | Choose an item.                                                                                 |
| Are you a UNGM registered vendor?                                                                                                                                    | <input type="checkbox"/> Yes <input type="checkbox"/> No      If yes, insert UNGM Vendor Number |
| Quality Assurance Certification (e.g. ISO 9000 or Equivalent) (If yes, provide a Copy of the valid Certificate):                                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No                                        |
| Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? (If yes, provide a Copy of the valid Certificate): | <input type="checkbox"/> Yes <input type="checkbox"/> No                                        |
| Does your Company have a written Statement of its Environmental Policy? (If yes, provide a Copy)                                                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No                                        |
| Does your organization demonstrate significant commitment to sustainability through some other means, for                                                            | <input type="checkbox"/> Yes <input type="checkbox"/> No                                        |

|                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues<br>(If yes, provide a Copy) |                                                                                                                                                                                                                                                                                                       |
| Is your company a member of the UN Global Compact                                                                                                                        | <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                              |
| Bank Information                                                                                                                                                         | Bank Name: Click or tap here to enter text.<br>Bank Address: Click or tap here to enter text.<br>IBAN: Click or tap here to enter text.<br>SWIFT/BIC: Click or tap here to enter text.<br>Account Currency: Click or tap here to enter text.<br>Bank Account Number: Click or tap here to enter text. |
| <b>Previous relevant experience for the last 2 years:</b>                                                                                                                |                                                                                                                                                                                                                                                                                                       |
| <b>Name of previous contracts</b>                                                                                                                                        | <b>Client &amp; Reference Contact Details including e-mail</b><br><b>Contract Value</b><br><b>Period of activity</b><br><b>Types of activities undertaken</b>                                                                                                                                         |
|                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                       |

**Bidder's Declaration**

| Yes                      | No                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Requirements and Terms and Conditions:</b> I/We have read and fully understand the RFQ, including the RFQ Information and Data, Schedule of Requirements, the General Conditions of Contract, and any Special Conditions of Contract. I/we confirm that the Bidder agrees to be bound by them.                                                                                                                                                                                                                                                             |
| <input type="checkbox"/> | <input type="checkbox"/> | I/We confirm that the Bidder has the necessary capacity, capability, and necessary licenses to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period.                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Ethics:</b> In submitting this Quote I/we warrant that the bidder: has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor; has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFQ ;has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer.                                                                       |
| <input type="checkbox"/> | <input type="checkbox"/> | I/We confirm to undertake not to engage in proscribed practices, , or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and we have read the United Nations Supplier Code of Conduct : <a href="https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct">https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct</a> and acknowledge that it provides the minimum standards expected of suppliers to the UN. |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Conflict of interest:</b> I/We warrant that the bidder has no actual, potential, or perceived Conflict of Interest in submitting this Quote or entering a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFQ process the bidder will report it immediately to the Procuring Organisation's Point of Contact.                                                                                                                                                                                                         |

| Yes                      | No                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Prohibitions, Sanctions:</b> I/We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium members or subcontractors or suppliers for any part of the contract is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists and have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Bankruptcy:</b> I/We have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future.                                                                                                                                                                                                                                                                                                                                        |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Offer Validity Period:</b> I/We confirm that this Quote, including the price, remains open for acceptance for the Offer Validity.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | I/We understand and recognize that you are not bound to accept any Quotation you receive, and we certify that the goods offered in our Quotation are new and unused.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | By signing this declaration, the signatory below represents, warrants and agrees that he/she has been authorised by the Organization/s to make this declaration on its/their behalf.                                                                                                                                                                                                                                                                                                                                                                                                 |

Signature: \_\_\_\_\_

Name: Click or tap here to enter text.

Title: Click or tap here to enter text.

Date: Click or tap to enter a date.

**ANNEX 3: TECHNICAL AND FINANCIAL OFFER – GOODS**

*Bidders are requested to complete this form, sign it and return it as part of their bid along with Annex 2: Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.*

|                 |                                                                                                                                      |                                     |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Name of Bidder: | Click or tap here to enter text.                                                                                                     |                                     |
| RFQ reference:  | <b>RFQ-2021-069 “Purchase and installation of the X- ray inspection system for the inspection of baggage and goods (introscope)”</b> | Date: Click or tap to enter a date. |

| <b>Currency of the Quotation:</b> Click or tap here to enter text. |             |     |     |            |             |
|--------------------------------------------------------------------|-------------|-----|-----|------------|-------------|
| <b>INCOTERMS: DDP</b>                                              |             |     |     |            |             |
| Item No                                                            | Description | UOM | Qty | Unit price | Total price |
| 1.                                                                 |             |     |     |            |             |
| 2.                                                                 |             |     |     |            |             |
| VAT Price                                                          |             |     |     |            |             |
| <b>Total Final and All-inclusive Price</b>                         |             |     |     |            |             |

**Table – A: Technical Compliance with Requirements**

|                                                                                                                                                                                   | You Responses            |                          |                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------------------------------|
|                                                                                                                                                                                   | Yes, we will comply      | No, we cannot comply     | If you cannot comply, pls. indicate counter - offer |
| Proposed goods are compliant to the Minimum Technical Specifications.<br>The compliance with technical specification will be determined based on the criteria provided in Table-B | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text.                    |
| Delivery Term (INCOTERMS): Kazakhstan, Nur-Sultan, Mambetov st., 14                                                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text.                    |
| Delivery Lead Time – maximum 30 calendar days of issue of Purchase Order/ signing Contract by UNDP format goods                                                                   | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text.                    |
| The Supplier will provide a minimum of 12 months warranty on the equipment from the time the goods are handed over to the end-user at the address specified;                      | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text.                    |

|                                                                                                                                                                                                                                                                                                              |                          |                          |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------|
| In the event of a warranty event, the Supplier undertakes to carry out repairs at its own expense or provide replacement with new equipment if it is impossible to repair;                                                                                                                                   | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Availability of a service centers or a technical support service if maintenance/repair is required, providing the address and contact details of the responsible person. Maintenance services must be provided for 1 additional year upon guarantee expiring                                                 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Validity of Quotation – 90 days                                                                                                                                                                                                                                                                              | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Payment terms – 100% post-payment                                                                                                                                                                                                                                                                            | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Total value of goods includes VAT if the Supplier is a VAT payer, as well as other applicable indirect taxes                                                                                                                                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Transportation costs for delivery of goods are included in the value of the goods, as well as all other available costs                                                                                                                                                                                      | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Provided complete set of documents with information about the supplied goods (photo, technical specification, user manual)                                                                                                                                                                                   | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Provided confirmation that all equipment and materials must be new, in the factory packaging, not previously used                                                                                                                                                                                            | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Provided Latest Business Registration Certificate and Charter                                                                                                                                                                                                                                                | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Provided VAT Certificate (if applicable)                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Provided Certificate confirming that currently there are no debts with the tax authorities                                                                                                                                                                                                                   | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Provided short description of the Company. The description must demonstrate Company's experience in selling relevant equipment for at least 7 years with a list of similar deliveries over the last 5 years (indicating to whom and when the goods were delivered, with the Customer's contact information); | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| letter of guarantee confirming that the Supplier has instructed at least seven (7) employees of the Customer on the rules of the exploitation and maintenance of the Goods, reflected in the act of acceptance of the good into exploitation.                                                                | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Set of documents with information about the delivered product (photo, technical specification, user manual, a copy of the product passport (if applicable))                                                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Provided permission of the manufacturer to act as an official dealer or Certificate of Exclusive Distributor (if the Supplier is not a manufacturer);                                                                                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| State license for the provision of services in the field of atomic energy with a subspecies                                                                                                                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                          |                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------|
| of maintenance, installation, dismantling, charging, recharging, repair of devices and installations, including medical ones, containing radioisotope sources of ionizing radiation or generating ionizing radiation, X-ray inspection equipment for the control of hand luggage and baggage                                                                                                                                                                                                                                                                           |                          |                          |                                  |
| Letter of guarantee confirming the installation, start-up of the supplied Goods and training of the Customer's employees on how to use the equipment. Related services must be provided by the Supplier's specialists trained at the manufacturer's office: at least 2 employees with at least 5 years of experience in working with X- ray inspection system, notarized copies of certificates must be attached as part of the application                                                                                                                            | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Delivery time is not more than 30 calendar days from the date of signing the Agreement (purchase order) in UNDP format                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Acceptance of the UNDP General Terms and Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Provided Delivery schedule with approximate date of delivery of goods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Provided written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |
| Due to the COVID 19 pandemic, the contractor is obliged to provide all necessary protective equipment for its employees and to comply with all WHO standards and recommendations for performing work during the epidemic. The service provider is responsible for the proper and timely provision of its employees involved in this Terms of Reference with all necessary personal protective equipment in accordance with the current WHO recommendations (masks, gloves, sanitizers, passing the COVID-19 test (if necessary)), for the entire term of the contract. | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. |

**Table B - Form of compliance to the technical requirements (please complete column "Your Proposal):**

| No                                                 | Name        | Description                                                                                                    | Your proposal |
|----------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------|---------------|
| <b>TECHNICAL CHARACTERISTICS OF THE EQUIPMENT:</b> |             |                                                                                                                |               |
| 1.1                                                | Tunnel size | width - not less than 600 mm and not more than 610 mm, height - not less than 400 mm and not more than 410 mm; |               |

|      |                                                                                                                                                              |                                                                                       |  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
| 1.2  | multilevel protection against unauthorized access with the ability to set an access level with a unique password for each operator and system administrator; | Yes                                                                                   |  |
| 1.3  | Conveyor speed                                                                                                                                               | not less than 0.23 m / s;                                                             |  |
| 1.4  | Conveyor pulling force                                                                                                                                       | not less than 165 kg;                                                                 |  |
| 1.5  | Conveyor                                                                                                                                                     | height from the floor: not less than 800 mm, but not more than 820 mm from the floor; |  |
| 1.6  | Introscope net weight                                                                                                                                        | no more than 450 kg;                                                                  |  |
| 1.7  | Introscope dimensions excluding roller tables                                                                                                                | length no more than 1500 mm; width no more than 860 mm; height no more than 1340 mm;  |  |
| 1.8  | Wheels with a diameter                                                                                                                                       | at least 100 mm for mobile movement of the unit;                                      |  |
| 1.9  | Input and output roller tables                                                                                                                               | each at least 500 mm long                                                             |  |
| 1.10 | Software                                                                                                                                                     | in Russian                                                                            |  |
| 1.11 | Separation of objects in the image                                                                                                                           | at least six colors depending on the atomic number and density                        |  |
| 1.12 | Magnification                                                                                                                                                | not less than 9 areas of the image                                                    |  |
| 1.13 | Atomic number measurement function                                                                                                                           | Yes                                                                                   |  |
| 1.14 | Image archive                                                                                                                                                | at least 150,000 images                                                               |  |
| 1.15 | Baggage counter                                                                                                                                              | Yes                                                                                   |  |
| 1.16 | Switching between color and black and white                                                                                                                  | Yes                                                                                   |  |
| 1.17 | Continuous search                                                                                                                                            | Yes                                                                                   |  |
| 1.18 | Sequential at least 64-fold enlargement of the image                                                                                                         | Yes                                                                                   |  |
| 1.19 | Selecting opaque areas of an image                                                                                                                           | Yes                                                                                   |  |
| 1.20 | Geometric Distortion Compensation                                                                                                                            | Yes                                                                                   |  |
| 1.21 | Penetration enhancement function                                                                                                                             | Yes                                                                                   |  |
| 1.22 | Commenting on images                                                                                                                                         | Yes                                                                                   |  |
| 1.23 | Browsing Image Library                                                                                                                                       | Yes                                                                                   |  |
| 1.24 | Saving images manually                                                                                                                                       | Yes                                                                                   |  |
| 1.25 | Discrimination of materials                                                                                                                                  | Yes                                                                                   |  |
| 1.26 | Multi-level access                                                                                                                                           | Yes                                                                                   |  |
| 1.27 | TCP / IP LAN connection for remote control                                                                                                                   | Yes                                                                                   |  |



|                                     |                                                                                     |                                                                                                                                                                                                                                                       |  |
|-------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1.28                                | Separation of materials into organic and inorganic                                  | Yes                                                                                                                                                                                                                                                   |  |
| 1.29                                | Operator training program                                                           | Yes                                                                                                                                                                                                                                                   |  |
| 1.30                                | Image enhancement function                                                          | Yes                                                                                                                                                                                                                                                   |  |
| 1.31                                | Printer connectivity                                                                | Yes                                                                                                                                                                                                                                                   |  |
| 1.32                                | Real-time image control                                                             | Yes                                                                                                                                                                                                                                                   |  |
| 1.33                                | Real-time diagnostics                                                               | Yes                                                                                                                                                                                                                                                   |  |
| 1.34                                | The presence of the function of switching the image positive-negative               | Yes                                                                                                                                                                                                                                                   |  |
| 1.35                                | Moving the enlarged image on the screen                                             | Yes                                                                                                                                                                                                                                                   |  |
| 1.36                                | Automatic detection of explosives and narcotic substances at a given atomic number. | Yes                                                                                                                                                                                                                                                   |  |
| 1.37                                | Prohibited object projection software to check operator vigilance                   | Yes                                                                                                                                                                                                                                                   |  |
| <b>Security inspection options:</b> |                                                                                     |                                                                                                                                                                                                                                                       |  |
| 2.1                                 | Resolution                                                                          | Not less than 38 AWG                                                                                                                                                                                                                                  |  |
| 2.2                                 | Penetration capacity (in steel)                                                     | not less than 37 mm                                                                                                                                                                                                                                   |  |
| 2.3                                 | Contrast sensitivity                                                                | no less than 24 color tones, no less than 4096 shades of gray                                                                                                                                                                                         |  |
| <b>X-ray generator:</b>             |                                                                                     |                                                                                                                                                                                                                                                       |  |
| 3.1                                 | Anode voltage:                                                                      | rated not less than 160 kV, operating not less than 150 kV                                                                                                                                                                                            |  |
| 3.2                                 | Radiation source:                                                                   | Sealed, maintenance-free bulb                                                                                                                                                                                                                         |  |
| 3.3                                 | Source current:                                                                     | not less than 0.7 mA                                                                                                                                                                                                                                  |  |
| 3.4                                 | Cooling                                                                             | Air cooled oil bath                                                                                                                                                                                                                                   |  |
| 3.5                                 | Beam direction                                                                      | Diagonal up                                                                                                                                                                                                                                           |  |
| 3.6                                 | Detector ruler                                                                      | L-shaped, at least 1152 channels                                                                                                                                                                                                                      |  |
| <b>Computer:</b>                    |                                                                                     |                                                                                                                                                                                                                                                       |  |
| 4.1                                 | The system unit                                                                     | should consist of modern specialized components developed for the X- ray inspection system to ensure reliable and uninterrupted operation, as well as a longer service life (RAM at least 4 GB, hard drive at least 500 GB, video card at least 1 GB) |  |
| 4.2                                 | OS                                                                                  | Windows                                                                                                                                                                                                                                               |  |
| 4.3                                 | Built-in voltage regulator                                                          | Yes                                                                                                                                                                                                                                                   |  |
| <b>Information on the display:</b>  |                                                                                     |                                                                                                                                                                                                                                                       |  |
| 5.1                                 | Display type: Diagonal not less than 19 "                                           | LCD monitor - 1 pc                                                                                                                                                                                                                                    |  |
| 5.2                                 | Display resolution                                                                  | at least 1280x1024                                                                                                                                                                                                                                    |  |

| Operating conditions: |                     |                                      |  |
|-----------------------|---------------------|--------------------------------------|--|
| 6.1                   | Temperatures        | from 0 to + 40 ° C                   |  |
| 6.2                   | Air humidity        | up to 95% (non-condensing)           |  |
| 6.3                   | Power supply        | 220V (+ / - 10%), 50 Hz 10/15 A max. |  |
| Content of supplying  |                     |                                      |  |
| 2.1                   | Introscope          | 1 pc.                                |  |
| 2.2                   | LCD display         | 1 pc.                                |  |
| 2.3                   | Input roller table  | 1 pc.                                |  |
| 2.4                   | Output roller table | 1 pc.                                |  |

I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted.

|                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Exact name and address of company</i><br><b>Company Name</b> Click or tap here to enter text.<br><b>Address:</b> Click or tap here to enter text.<br>Click or tap here to enter text.<br><b>Phone No.:</b> Click or tap here to enter text.<br><b>Email Address:</b> Click or tap here to enter text. | <b>Authorized Signature:</b><br><b>Date:</b> Click or tap here to enter text.<br><b>Name:</b> Click or tap here to enter text.<br><b>Functional Title of Authorised Signatory:</b> Click or tap here to enter text.<br><b>Email Address:</b> Click or tap here to enter text. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|