



**Bidding Document Ref No: MCA-M/CF/WSSA/G/01
Supply of Laboratory Equipment**

**ANSWERS TO CLARIFICATION QUESTIONS – ISSUE No. 4 (Questions 45-115)
August 29, 2024**

<p align="center">Questions and Answers 7-44 issued to all registered Offerors on August 28, 2024 Questions and Answers 2-6 issued to all registered Offerors on August 13, 2024 Question and Answer 1 issued to all registered Offerors on August 01, 2024</p>	
Question 45:	<p>With regard to Measurement Accuracy:</p> <p>a) Will the measurement discrepancies in the glasses (volumetric flask, pipette, cylinder) be considered in this Bid? While Chinese glassware is affordable, it is prone to significant measurement errors. Could you please confirm if this will be factored into the evaluation?</p> <p>b) Additionally, is a certification required for each of these measuring glasses?</p>
Answer 45:	<p>a) The Offeror shall provide Goods and Related Services that conform to Section V of the Bidding Document - Schedule of Requirements. As such item 2 of the SF 1 - Letter of Offer - states <i>“We offer to supply in conformity with the Bidding Document and in accordance with the Delivery Schedules specified in Section V. Schedule of Requirements referenced above”</i></p> <p>Section III of the Bidding Document - Qualification and Evaluation Criteria requires that for both Lot 1 and Lot 2 <i>“The Offeror or its agent(s) or sub-contractor(s) shall have a Quality Assurance and Quality Control Plan (preferably compliant to ISO 9001 or other applicable quality management system requirements).”</i></p> <p>Goods and/or their Related Services cannot be provided by Government-Owned Enterprises (“GOEs”). Please refer to Section I of the Bidding Document - Instructions to Offerors (ITO) 5; and to the responses to Questions 2 and 3 contained in Clarification 2 issued to all Offers on August 13, 2024.</p> <p>Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. All volumetric glass and pipettes meet the quality requirements-Class A type.</p> <p>b) Please refer to item 1.4 parts ii – vi of <i>Section V. Schedule of Requirements</i> – for Certification requirements.</p>
Question 46:	With regard to the Water Purifier: I would appreciate more details regarding the item listed as #56. Could you specify the type and model of the water purifier?
Answer 46:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 47:	With regard to the Boiling Stones: Could you provide the diameter of the boiling stones listed under item #61?
Answer 47:	Please refer to the responses to Question 10 issued to all Offerors on August 28, 2024.
Question 48:	With regard to the Vacuum Filtration Apparatus: Could you elaborate on what is included with the Vacuum Filtration Apparatus mentioned in item #75?
Answer 48:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No. 75

Question 49:	With regard to the item Similarity: Are items #58 and #59 considered to be the same product?
Answer 49:	These are two separate and distinct items.
The following nine (9) questions relate to Lot 1, Part 1 - Primary Analytical Equipment	
Question 50:	ICP OES system: Specify detection limits, wavelength range, spectral resolution, plasma torch8 detection system, sample introduction system, software, sample throughput.
Answer 50:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT1, Part 1: Technical Requirements for the Primary Analytical Equipment. Item No.1
Question 51:	UV-Vis spectrophotometer: Specify wavelength range, accuracy and precision, spectral resolution, photometric range, stray light, detector type, light source, sample holder
Answer 51:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT1, Part 1: Technical Requirements for the Primary Analytical Equipment. Item No.2
Question 52:	UV-V is spectrophotometer with RFID: Specify size and weight, wavelength range, wavelength accuracy and precision, photometric range, RFID technology integration
Answer 52:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT1, Part 1: Technical Requirements for the Primary Analytical Equipment. Item No.3
Question 53:	Total oil and Grease (TOG), Total Petroleum Hydrocarbons (TPH) Analyzer: Specify measurement range, size and weight
Answer 53:	Please refer to the responses to Question 12 issued to all Offerors on August 28, 2024.
Question 54:	pH meter: Specify pH range, accuracy and precision and electrode types
Answer 54:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT1, Part 1: Technical Requirements for the Primary Analytical Equipment. Item No.5
Question 55:	Sulfide meter: Specify measurement range, detection limit
Answer 55:	Please refer to the responses to Question 8 issued to all Offerors on August 28, 2024.
Question 56:	Analytical balance: Specify measurement range, detection limit
Answer 56:	Please refer to the responses to Question 8 issued to all Offerors on August 28, 2024.
Question 57:	Automated BOD: Specify measurement range, detection limit
Answer 57:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT1, Part 1: Technical Requirements for the Primary Analytical Equipment. Item No.8
Question 58:	Total organic carbon analyzer and PC with software installed: specify measurement range, detection limit
Answer 58:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT1, Part 1: Technical Requirements for the Primary Analytical Equipment. Item No.9
The following twelve (12) questions relate to Lot 1, Part 2 - Auxiliary Equipment and Other Devices	
Question 59:	Fume hood: Specify dimension and velocity.
Answer 59:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 60:	Microwave Digestion Oven: Specify the temperature range, vessel capacity, and the number of vessels.
Answer 60:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 61:	Water Purifier: Specify the capacity.
Answer 61:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 62:	Drying Oven for Analysis: Specify the capacity and temperature range.
Answer 62:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.

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Question 63:	Drying Oven for Glassware: Specify the capacity and temperature range.
Answer 63:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 64:	BOD Incubator: Specify the capacity and temperature range.
Answer 64:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 65:	Ultrasonic Bath: Specify the capacity and frequency range.
Answer 65:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 66:	10. 6-Position Heating Mantles: Specify the capacity of the pear flasks and temperature range.
Answer 66:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 67:	13. Oil-Free Diaphragm Vacuum Pump: Specify the flow rate and pressure.
Answer 67:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 68:	14. Refrigerator for Reagent Storage: Specify the capacity and temperature range.
Answer 68:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 69:	15. Refrigerator for Sample Storage (2-door): Specify the capacity and temperature range.
Answer 69:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 70:	20. Glassware Washer with Window: Specify the capacity.
Answer 70:	Please refer to the responses to Question 9 issued to all Offerors on August 28, 2024.
Question 71:	With regard to Section III of the Bidding Document - Qualification and Evaluation Criteria What documents are required for A, B & C? Please clarify each part in detail including every information required?
Answer 71:	Offerors shall submit Forms SF1 to SF 13 for each Lot (except for (Form SF 7, which is for Lot 1 only). The spreadsheet with the detailed technical requirements and specifications is already incorporated in the Bidding Document as Annex 1 (Detailed Technical Specifications) of Section V (Schedule of Requirements) by the Addendum #1 to the Bidding Documents issued by MCA-Mongolia on August 28, 2024
The following five (5) questions are Lot 1 General Questions	
Question 72:	What is the FAT certification? Is this required for each equipment in parts 1,2,3?
Answer 72:	Please refer to Section V of the Bidding Document - Schedule Requirements i. Manufacturer's Authorization. The Supplier shall comply with the detailed technical specifications per item indicated in the separate spreadsheet for each Part. The spreadsheet with the detailed technical requirements and specifications is already incorporated in the Bidding Document as Annex 1 (Detailed Technical Specifications) of Section V (Schedule of Requirements) by the Addendum #1 to the Bidding Documents issued by MCA-Mongolia on August 28, 2024
Question 73:	There are only equipment in part 1 and 2. What should be included in safety data sheet for Part.1 and Part.2? Could the safety information be included in user manual?
Answer 73:	Please refer to Section V of the Bidding Document - Schedule Requirements iii. Product Certification. The Supplier shall comply with the detailed technical specifications per item indicated in the separate spreadsheet for each Part.

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	The spreadsheet with the detailed technical requirements and specifications is already incorporated in the Bidding Document as Annex 1 (Detailed Technical Specifications) of Section V (Schedule of Requirements) by the Addendum #1 to the Bidding Documents issued by MCA-Mongolia on August 28, 2024
Question 74:	Do we provide a technical specification data sheet and safety data sheet on glassware and laboratory aids in Part.3? Instead of TDS and SDS, what else could we provide?
Answer 74:	Please refer to Section V of the Bidding Document - Schedule Requirements vi. Quality Assurance and Quality Control Plan.
Question 75:	What is Quality Assurance and Quality Control Plan documentation? Can you provide a sample documentation detailing every Single piece of information required? Do we also provide certification and verification? What is the difference?
Answer 75:	Please refer to Section V of the Bidding Document - Schedule Requirements vi. Quality Assurance and Quality Control Plan. The QA/QC action includes a quality certification and verification of the product and services. MCA-Mongolia shall not provide sample QA/QC plans to Offerors.
Question 76:	For equipment over 100,000 dollars, a third-party verification must be done. Could you please give examples of third party that you approve?
Answer 76:	As stated in Section V of the Bidding Document - Schedule Requirements vi. Quality Assurance and Quality Control Plan - <i>“MCA's approval is required for the third party nominated by the Supplier. If applicable, third-party verification witnessing is required for the equipment or bulk purchases that exceed \$100,000.”</i> MCA-Mongolia shall not provide examples of third-party equipment verification / witnessing companies to Offerors; and MCA-Mongolia shall determine the capability and independence of any third party nominated by the Supplier - with approval not being reasonable withheld.
The following five (5) questions relate to Lot 1, Part 1 - Primary Analytical Equipment	
Question 77:	Item.2: Can we get more specific technical specifications of the UV-Vis Spectrophotometer?= =
Answer 77:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT1, Part 1: Technical Requirements for the Primary Analytical Equipment. Item No.3
Question 78:	Can we get more specific technical specifications for Portable UV-Vis spectrophotometers with RFID technology? Can we suggest one without RFID technology?
Answer 78:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT1, Part 1: Technical Requirements for the Primary Analytical Equipment. Item No.3. As stated in ITO 14.1 <i>“Alternative Offers shall not be considered.”</i> As such, the Offeror’s suggestion of UV-Vis Spectrophotometer without RFID is not accepted.
Question 79:	Item.2.1: was listed as Test Culture Tube for Water Analysis. However, the culture tube and the water test tube should be separate tubes. Could we please suggest a COD tube instead?
Answer 79:	Please refer to the response to Question 78. All accessories for the primary analytical equipment must be from the same brand as the primary equipment to ensure compatibility and optimal performance. As stated in ITO 14.1 <i>“Alternative Offers shall not be considered.”</i> As such, the Offeror’s suggestion of a Chemical Oxygen Demand (COD) tube is not accepted.
Question 80	Can we get more specific technical specifications of the TOC - Total Organic Carbon Analyzer?
Answer 80:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT1, Part 1: Technical Requirements for the Primary Analytical Equipment. Item No.9

The following ten (10) questions relate to Lot 1, Part 2 - Auxiliary Equipment and Other Devices	
Question 81:	Item.1: What is the Fume Hood inner/outer dimension and design, technical requirements?
Answer 81:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 82:	Item.2: Can you provide information on the capacity of the Microwave digestion oven?
Answer 82:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 83:	Item.4: Can you provide information on the capacity of the Drying oven for analysis?
Answer 83:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 84:	Item.5: Can you provide information on the capacity of the Drying oven for glassware?
Answer 84:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 85:	Item.6: Can you provide information on the capacity of the BOD incubator?
Answer 85:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 86:	Item.7: Item was listed as Water Bath with Concentric Ring 20 cell. Does the 20 cells mean the capacity of the instrument?
Answer 86:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 87:	Item.8: Can you provide information on the Capacity of the Ultrasonic bath?
Answer 87:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 88:	Item.14: Can you provide information on the capacity of Refrigerator for reagent Storage?
Answer 88:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 89:	Item.15: Can you provide information on the capacity of the Refrigerator for sample storage 2 doors?
Answer 89:	Please refer to the response to Question 9 issued to all Offerors on August 28, 2024.
Question 90:	Item.18: Can we offer a Bottle top Dispensers with a doser 0.5 to 5 mL instead of 0.4 to 2 mL?
Answer 90:	Please refer to the response to Question 23 issued to all Offerors on August 28, 2024.
The following eleven (11) questions relate to Lot 1, Part 3 – Glassware and Laboratory Aids	
Question 91:	Items.8-11: Can you provide information on the mouth size of the Reagent bottle/brown?
Answer 91:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No.8-11
Question 92:	Item.55: Is the requested amount of the heat-resistant gloves are 3 pieces or 3 pairs?
Answer 92:	3 pairs
Question 93:	Item.56: Can you provide information on 20-inch 2-level Direct drinking water purifier Pre-filter water filter CTO PP cotton? Is it a different item from 56.1?
Answer 93:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No.56 and 56.1-2
Question 94:	Item.60: Please specify the size of the Graduated Polypropylene Beakers with Handle.
Answer 94:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No.60
Question 95:	Item.63: Please specify the size of the Transfer pipettes. Can we offer 1ml? Do we offer Magnetic stir bars with size of 50mm x 12mm
Answer 95:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No.63
Question 96:	Item.68: Please specify the size of the Micro Spoon and Spatula Sampling Set.

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Answer 96:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No.68
Question 97:	Item.69: Please specify the size of the Parafilm.
Answer 97:	Please refer to the response to Question 10 issued to all Offerors on August 28, 2024.
Question 98:	Item.70: Please specify the size of the Deep Ledge Polymer Utility Cart.
Answer 98:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No.70
Question 99:	Item.72: Do we offer Moisture Content Tin with Lid with size of 50mm x 35 mm?
Answer 99:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No.72
Question 100:	Item.75: Please specify the capacity of the Vacuum filtration apparatus
Answer 100:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No.75
Question 101:	Item.78: What is the requested amount of Glass Microfiber Filter? Is that 100 pieces/8 packages or 100 pieces/ 800 packages
Answer 101:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 1, Part 3: Glassware and Laboratory Aids. Item No.78
The following four (4) questions are Lot 1 General Questions	
Question 102:	Part 6 Test Kit Reagents, Part 7 Standard solutions and certified reference materials, items 13-21 of Part 8, Reagents for analysis, there are two dates for the purchaser's required delivery date (as per incoterms). For example in item 1 of part 6 Test kit Reagents, earliest delivery date is 130 days and 300 days. Does that mean we have to supply item 1 two times each 40 pkg (quantity) in 130 days and 300 days?
Answer 102:	Total quantity of test kit reagents, standard solutions and CRMs outlined in the Section V of the Bidding document should be delivered by the Supplier in two phases: Year 1 and Year 2. The specific quantities for each year have been determined accordingly. The earliest delivery date for each phase is estimated from the date contract is signed. Please refer to the Section V of the Bidding Document 2.5 List of goods for Lot 2.
Question 103:	For part 7,8, there are all reagents and solutions. Instead of TDS, could we please offer COA?
Answer 103:	According to the Section V of the Bidding Document: Schedule of Requirements, TDS is required.
Question 104:	What is Quality Assurance and Quality Control Plan documentation? Can you provide a sample documentation detailing every single piece of information required? Do we also provide certification and verification? What is the difference?
Answer 104:	Please refer to the response to Question 75.
Question 105:	What is the FAT certification? Is this required for each solution in parts 6,7,8 or one for each supplier ?
Answer 105:	Please refer to the response to Question 72.
The following two (2) questions relate to Lot 2, Part 6 – Test Kit Reagents	
Question	Item.8: Sulfate reagent set (50 pack), what is the parameter range it should measure? (0- 70

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106:	mg/l)?
Answer 106:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 2, Part 6: Test Kit Reagents. Item No.8
Question 107:	Item15: Chemical Oxygen Demand (COD), LR (1-200 mg/L COD), 150 Tests, is the COD 3-150 mg/L because COD with 1-200 mg/L COD is nonexistent in original manufacturer.
Answer 107:	Please refer to the response to Question 16 issued to all Offerors on August 28, 2024
The following three (3) questions relate to Lot 2, Part 7 –Standard Solutions and Certified Reference Materials	
Question 108:	Item 1.3: Could we offer a product with pH of 4.01 instead of 4.00. Manufacturer is offering pH 4.01 instead of 4.00?
Answer 108:	Please refer to the response to Question 17 issued to all Offerors on August 28, 2024.
Question 109:	Item 6: What concentration should the nitrogen standard solution, CRM should have? What should be the matrix of the solution?
Answer 109:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 2, Part 7: Standard Solutions and Certified Reference Materials. Item No.6
Question 110:	Item 8: COD CRM standard for accuracy check, what is the concentration you want for the solution ranging from 10 to 10000 mg/L, and what it should be traceable against?
Answer 110:	Please refer to the response to Question 13 issued to all Offerors on August 28, 2024.
The following five (5) questions relate to Lot 2, Part 8 – Reagents for Analysis	
Question 111:	Item.4: What is the CAS number of Dipotassium hydrogen phosphate? Is it 16788-57-1 or 775811-04?
Answer 111:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 2, Part 8: Reagents for Analysis. Item No.3
Question 112:	Item.8: What is the CAS number of Calcium chloride? Is it 10043-52-4 or 10035-04-8?
Answer 112:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 2, Part 8: Reagents for Analysis. Item No.8
Question 113:	Item 15: What is the CAS number of Manganese sulfate? Is it 10034-96-5 or 7785-87-5?
Answer 113:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 2, Part 8: Reagents for Analysis. Item No.15
Question 114:	Item 16: What is the CAS number of Sodium thiosulfate? Is it 7772-98-7 or 10102-17-7?
Answer 114:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 2, Part 8: Reagents for Analysis. Item No.16
Question 115:	Item.22: What is the CAS number of Ammonium iron sulfate? Is it 10045-89-3, 7783-85-9 or 7783-83-7?
Answer 115:	Please refer to the Annex 1 of the Section V of the Bidding Document: LOT 2, Part 8: Reagents for Analysis. Item No.22