



**CB No: IFB No: MCA-M/CB/WSSA/G/02**

**Bidding Document for Procurement of Supply and Installation of  
Ger Area Smart Water Kiosk Upgrade**

**ANSWERS TO CLARIFICATION QUESTIONS – ISSUE No. 1 (Questions 1-30)**

**May 18, 2022**

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| <b>Question 1:</b> | What is the maximum bidding amount for 182 wells in total?  |
| <b>Answer 1:</b>   | The Bidding Document for Procurement of Supply and Installation of Ger Area Smart Water Kiosk Upgrade (IFB No: MCA-M/CB/WSSA/G/02) includes all requirements and technical specifications of the supply and installation of the Goods. Bidders should prepare a bid that complies with and meet the requirements in the Bidding Document. The budget estimates for the procurement are confidential and will not be published.                          |
| <b>Question 2:</b> | What is the budget for everything? (Detailed)   |
| <b>Answer 2:</b>   | Please refer to the response to Question 1.   |
| <b>Question 3:</b> | Can we get the materials of today's site visits via e-mail?   |
| <b>Answer 3:</b>   | Yes. All registered bidders will receive the combined Minutes of the Site Visit and the Pre-Bid Conference, with presentations and information package presented by MCA-Mongolia and USUG during the Site Visit and the Pre-Bid Conference, and all clarification questions received from participants of the pre-bid activities with the responses by MCA-Mongolia. The same information will be posted on the website of MCA-Mongolia.                |
| <b>Question 4:</b> | If the presentations can be uploaded to the website? We need to review it.  |
| <b>Answer 4:</b>   | Please refer to the response to Question 3.   |
| <b>Question 5:</b> | How many kiosks are expected to be automated for the first year?  |
| <b>Answer 5:</b>   | 40 kiosks are expected to be completed in the first year. The upgrade includes installation, testing, commissioning, programming, and configuration of dispensers, EIC, power supply, piping, and painting. Please see the Bidding Documents for Procurement of Supply and Installation of Ger Area Smart Water Kiosk Upgrade (IFB No: MCA-M/CB/WSSA/G/02) Section V, Schedule of Requirements, Table SR1-2: Kiosk Type, Location, and Conversion Year. |

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| <b>Question 6:</b>  | Can we get a full list of problems with the non-automated kiosks?  |
| <b>Answer 6:</b>    | Strainer and ball valve breakdowns are common at existing manual kiosks. For complete requirements, please refer to <b>all</b> technical specifications attached in Section V, SR3 Technical Specifications. A link to download all technical specifications can be found on page 99 of the IFB.   |
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| <b>Question 7:</b>  | Can you provide a list of common issues with the existing manual and automated kiosks?   |
| <b>Answer 7:</b>    | For issues at manual kiosks, refer to the response to Question 6. Typical errors and damages at existing smart kiosks are as follows: Smart kiosks experience on average 30-40 errors per month, half of which are related to hardware failure and half related to software crashing. In terms of hardware wear and tear, customer interface panels, especially keyboard or open/close buttons of existing smart kiosks depreciate more compared to other parts. Smart dispenser failures also occur due to depreciation. Uninterruptable Power Supply (UPS), dispenser flow control valve, and controller breakdown and repairs occurred more often compared to other parts and equipment. Ultrasonic flow meter reading errors are also common, which USUG addresses by adjusting the mounting of the meter. |
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| <b>Question 8:</b>  | Please clarify the required standard for hardware products?  |
| <b>Answer 8:</b>    | Note that there are different types of hardware products required within the Work. For complete requirements on different hardware products, please refer to <b>all</b> technical specifications attached in Section V, SR3 Technical Specifications. A link to download all technical specifications can be found on page 99 of the IFB.  |
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| <b>Question 9:</b>  | Given the focus on cost reduction, will cloud-based systems be considered that will greatly reduce the physical hardware costs as well as ongoing maintenance and replacement costs?   |
| <b>Answer 9:</b>    | Software technical specification in Section V, SR3, of the Bidding Document does not allow cloud-based systems. Bidders should carefully read the bidding document, including all the technical specifications, and prepare a bid that complies with the requirements of the bidding document.   |
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| <b>Question 10:</b> | The specifications in the bid document seem to be overly specific and constrain the potential solutions to a system that with the system that already installed. Can the specification documents be revised to allow for alternate designs with greater functionality, durability, and value?  |
| <b>Answer 10:</b>   | The Technical Specifications describe the general requirements for the Work. We do not believe it is overly specific. The Bidder should prepare a bid that complies with all technical specifications in the bidding documents.  |
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| <b>Question 11:</b> | How long will the project take? Is there any schedule for the plan?  |

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| <b>Answer 11:</b>   | Please refer to Section V, SR1 List of Goods and Delivery Schedule, SR2 List of Related Services and Completion Schedule, and SR3 Technical specifications in the bidding document.  |
| <b>Question 12:</b> | Should the new kiosks supposed to be the same as the current kiosk system and equipment or is it supposed to be upgraded?  |
| <b>Answer 12:</b>   | The intention of the project is to provide a new smart kiosk design to accomplish a similar level of functionality for smart kiosk water dispensing. For specific requirements of new kiosks, please refer to technical specifications in Section V, SR3, of the bidding document. |
| <b>Question 13:</b> | On the current smart water kiosk equipment, are there any troubles and damages occurred? If so,<br>a) please explain how many and where the troubles have been occurred?<br>b) please explain any errors and difficulties on the system?   |
| <b>Answer 13:</b>   | Please refer to the response to Questions 6 and 7.   |
| <b>Question 14:</b> | Is the brick façade similar to kiosk #66 required to be painted?   |
| <b>Answer 14:</b>   | Kiosks with brick façade are not required to have painting for exterior walls. Please refer to Smart Kiosk Painting Specification attached in Section V, SR3 of the bidding document.  |
| <b>Question 15:</b> | Is the outside dispenser area required to be renovated with new concrete?  |
| <b>Answer 15:</b>   | Please refer to General specification section 2.3/C/Table 1 and Smart Kiosk Painting Specification. Both specifications are in Section V, SR3 of the bidding document.   |
| <b>Question 16:</b> | Inside pipe sizes are different, please clarify if all pipe sizes should be changed to 32 diameters?   |
| <b>Answer 16:</b>   | Please refer to Drawings Sheet E-004 and E-005 for pipe size for residential and truck refilling dispensers. Drawings are in Section V, SR4 of the bidding document.   |
| <b>Question 17:</b> | Please clarify if the drainage should be built for every kiosk?  |
| <b>Answer 17:</b>   | Drainage is out of the scope of the Goods and related services described in the bidding document.  |
| <b>Question 18:</b> | #66, #40, #90 wells all look in a good condition. Please clarify If you required to do the paint for all?  |
| <b>Answer 18:</b>   | Scope regarding which kiosks require painting is summarized in section 1.2/A of the Smart Kiosk Painting Specification, attached in Section V, SR3 of the bidding document. Bidders should carefully read all technical specifications in preparation for the bids.                |
| <b>Question 19:</b> | Do kiosks in the networks have input and output flows together? If so, please clarify how many input and output wells there are?   |

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| <b>Answer 19:</b>   | There is an inlet from the central network to each kiosk and there is no outlet from each kiosk to the main system back. Thus, it requires a circulation pump and additional heater and pipe insulation during wintertime to avoid freezing. Please refer to Drawings Sheet E-004 and E-005 for pipe size and instruments for residential and truck refilling dispensers and Piping technical specifications in Section V, SR3 of the bidding document.   |
| <b>Question 20:</b> | Are you going to share the webinar materials and recorded videos?   |
| <b>Answer 20:</b>   | All registered bidders will receive the combined Minutes of the Site Visit and the Pre-Bid Conference, with presentations and information package made by MCA-Mongolia and USUG during the Site Visit and the Pre-Bid Conference, and all clarification questions received from participants of the events with the responses by MCA-Mongolia. The same information will be posted on the website of MCA-Mongolia.  |
| <b>Question 21:</b> | Will you publish the recording of this session after it is finished to the interested parties?  |
| <b>Answer 21:</b>   | Please refer to the responses to Questions 3 and 20.  |
| <b>Question 22:</b> | Can you respond to questions from the site visit?   |
| <b>Answer 22:</b>   | This Clarification #1 includes responses to all clarification questions received during the Site Visit and the Pre-Bid Conference.  |
| <b>Question 23:</b> | If there is no official distributor in Mongolia, can we supply directly from outside of Mongolia? If so, does the supplier has to be the official distributor?  |
| <b>Answer 23:</b>   | The origin of the supply is subject to the same restrictions specified in Section I, sub-clause 5. Per ITB 6.1, the restrictions on the nationality of the supplier described in ITB 5.3 are also applicable to the country of origin of the materials, equipment, and services supplied. Bidders should note that, per ITB 6.2 and 6.3, the origin of materials, equipment, and services is distinct from the nationality of the Bidder, and that “origin” means the place where the materials and equipment are mined, grown, cultivated, produced, manufactured, or processed, and where the services are provided from, as further described in ITB 6.2.<br><br>According to ITB 18.2 the Manufacturer’s authorization is not required. The Bidder is not required to be the Original Equipment Manufacturer (OEM). The Supplier does not need to be an official distributor. |
| <b>Question 24:</b> | BSF 7 there is a clause that says, duly authorized to sign the Bid Security for and on behalf of Financial institution name and address, is it a typo?  |
| <b>Answer 24:</b>   | BSF 7 is Environmental, Social, Health, and Safety Submission Form. Therefore, it does not include any requirement regarding the signature of the authorized individual. The Bid Security shall be submitted using the form BSF 6 and shall be signed by the duly authorized representative of the Financial Institution, which issued a Bid Security.  |
| <b>Question 25:</b> | For Clause 6 do we need to list all the suppliers, sub-contractors? in letter of bid BSF 1 form? If so, even all suppliers of small parts?  |

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| <b>Answer 25:</b>   | Clause 6 of the BSF 1. Letter of Bid shall include the nationality of the Bidder, including that of all parties that comprise the Bidder, if the Bidder is a Joint Venture or Association, and the nationality of each known Subcontractor and supplier. Eligibility of Bidders and Materials, Equipment, and Services will be determined according to the requirements of Clauses 5 and 6 of Section I – Instructions to Bidders of the Bidding Documents.   |
| <b>Question 26:</b> | <p>With regard to Technical clarification sheet - GRUNDFOS</p> <ul style="list-style-type: none"> <li>a) What should be the minimum and maximum flow required for 164 residential kiosks (Q min - Q max)?</li> <li>b) What should be the minimum and maximum flow required for truck 18 filling kiosks (Q min - Q max)?</li> <li>c) What should be the minimum and maximum operating pressure for residential kiosks (P min - P max)?</li> <li>d) What should be the minimum and maximum operating pressure for truck filling kiosk? (P min - P max)</li> <li>e) What is the Mandatory Flow/water meter approval standards?</li> <li>f) What is the availability of GSM signals at proposed kiosk location (2G/3G/4G)</li> </ul>  |
| <b>Answer 26:</b>   | <p>For questions (a) to (e), we assume the Bidder is asking these questions with regard to pressure regulating valves and selection of appropriate water meters.</p> <p>c) Section V, SR 3, the Piping Specification, page 4, section G. describes requirements for pressure regulating valves with factory preset for discharge pressure of 5 bar for residential kiosks and 12 bar for truck-refilling kiosks. Section L and O describes the requirements for the flow meter.</p> <p>d) Section V, SR 3, the Piping Specification, page 4, section G. describes requirements for pressure regulating valves with factory preset for discharge pressure of 5 bar for residential kiosks and 12 bar for truck-refilling kiosks. Section L and O describes the requirements for the flow meter.</p> <p>e) EIC specification Page 6, 2.2 Smart Flow Meter, section D. Flow meter shall be certified or selected from the list of pre-certified instruments by the Mongolian Standardization and Metrology Agency. Supplier shall be responsible for any costs of testing, calibration, and certification for meter testing and certification.</p> <p>f) The availability of GSM signal 3G and higher should be assumed for all upgrade locations. GSM signal availability will be confirmed prior to each smart kiosk installation and any coordination with the GSM Cellular provider to improved signal availability will be managed by USUG.</p> |
| <b>Question 27:</b> | Will you provide specifications for the equipment in the preferred manufacturers list?  |
| <b>Answer 27:</b>   | Please refer to the requirements in the EIC Technical Specifications in Section V, SR3, of the Bidding Document.  |
| <b>Question 28:</b> | The outside framework of the customer interface panel is fixed to 40x50 cm. Could we equip additional items to the existing panels to overcome mistakes which cause a bigger panel? Could we make bigger than 40x50?  |
| <b>Answer 28:</b>   | Note that the supplier's scope of the Work is to upgrade the manually operated, pipe-fed kiosks by installing smart panels. The smart panels to be installed shall be fabricated and  |

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|                     | installed as described in the Technical Specifications in Section V, SR 3 of the bidding document.  |
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| <b>Question 29:</b> | Could you please elaborate more on Conflict of interest: 1. participation in more than 1 bid?   |
| <b>Answer 29:</b>   | As detailed in Instruction to Bidders (ITB) 5.7(d) Bidders “ <i>may be considered to have a conflict of interest and disqualified or terminated if they participate in more than one Bid in this process; participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the party is involved; however, this provision does not limit the inclusion of the same Subcontractor in more than one Bid.</i> ” |
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| <b>Question 30:</b> | In BSF10 we need certify that we had not had any dispute with other parties for the last 5 year, but when we checked with general executive agency of the court decision, they only issue for 3 years. How shall we respond?  |
| <b>Answer 30:</b>   | The Bidders are required to complete Form BSF 10 and provide the required information on the Current or Past Proceedings, Litigation, Arbitration, Actions, Claims, Investigations, or Disputes Within the Last Five (5) Years. According to the requirements of Sub-Clause 30.1 of Section I – Instruction to Bidders of the Bidding Documents, MCA-Mongolia may, at its discretion, ask any Bidder for a clarification of its Bid if required.    |