

MILLENNIUM CHALLENGE ACCOUNT-MONGOLIA



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

ADDENDUM No 2

June 08, 2022

1. Name of the Procurement: **Supply and Installation of Ger Area Smart Water Kiosk Upgrade**
2. Procurement Reference Number: **IFB No: MCA-M/CB/WSSA/G/02**
3. Invitation for Bids (IFB) Date: **March 30, 2022**
4. Previous Addenda issued: Addendum No. 1 on May 20, 2022

IFB SECTION	AMENDED AND SHOULD BE READ AS FOLLOWS
Section IV Bid Submission Forms	<p>Line item 6 of Table 2 of BSF 13 Technical Offer for Goods and Related Services has been amended as follows Customer Interface Panel: ‘RFID Card Reader’ to now read “NFC Card Reader”.</p> <p>As such Annex A of this Addendum 2 replaces BSF 13 - Technical Offer for Goods and Related Services - in its entirety. Bidders should complete and submit this replacement BSF 13 in its Bid submission.</p>
Section V Schedule of Requirements	<p>The following revisions are made to the Technical Specifications</p> <p><i>Bidders should be aware that the following Sections of the Technical Specifications are revised and modified as follows through the issuance of this Amendment 2 to the Bidding Document</i></p>
SR3 Technical Specifications	<p>SR3 Electrical, Instrumentation, and Control Requirements For Smart Kiosk (EIC) Technical Specifications;</p>
Link for Technical Specifications -	<p>Part 2 - Products:</p>
EIC Technical Specification	<p>2.1 Control Panels: Section B, Sub-section 3 NVR Panel Requirements. Item c: is changed to read : NVR shall be specified with the following functionality:</p> <ol style="list-style-type: none">1) Power shall be UPS backed up. Power for the NVR shall be provided direct from the UPS or from the 24Vdc power supply (located in the control panel).2) The NVR shall be equipped with a minimum of 4 camera ports for residential kiosks and 8 camera ports for truck-refilling stations with each camera network connection port providing PoE to the CCTV camera.

	<p>3) The NVR shall be supplied with 4TB.</p> <p>4) NVR shall include HDMI and VGA outputs.</p> <p>5) The CCTV cameras (interior and exterior) will be connected to and powered from the NVR</p> <p>6) Video recordings shall be available both in .AVI and .MP4 file formats and be compatible with K-Lite Codec Pack Mega.</p> <p>7) The NVR shall have a retention duration of ninety (90) days for all recorded videos.</p> <p>2.8 CCTV Camera: Section C</p> <p>For residential Smart Kiosk Dispensers: three (3) CCTV cameras will be required, each camera will be connected to the NVR for communications and power from the Power Over Ethernet (PoE) connection, the cameras shall be 4-megapixel, 2560 x 1600 cameras rated for either indoor or outdoor use depending on the installation location.</p> <p>Items 1-3 remain unchanged.</p> <p>2.8 CCTV Camera: Section D, Sub-section 3 is changed to read:</p> <p>For truck refilling Smart Kiosk Dispensers: two (2) CCTV cameras will be required, each camera will be connected to the NVR for communications and power from the Power Over Ethernet (PoE) connection, the cameras shall be 4-megapixel 2560 x 1600 cameras rated for either indoor or outdoor use depending on the installation location. The cameras will provide video monitoring of the following applications:</p> <p>Items 1-2 remain unchanged.</p> <p>2.14 Preferred Suppliers List for items “CCTV Camera” and “Network Video Recorder” is changed to remove “Hikvision” and replace with “Supplier to Propose”.</p> <p>Link for Updated Requirements: The complete set of documents that constitute the Technical Specification can be found here: https://www.dropbox.com/sh/enxhi4pak8yc5i6/AACtAeDe_vS9NSpWbomd05Ba?dl=0</p>
<p>Section VII</p> <p>Special Conditions of Contract</p>	<p>Special Conditions of Contract 29.3 is changed to read:</p> <p>After delivery and acceptance of the goods and related services, the performance security shall be reduced to 2 percent of the Contract Price to cover the Supplier’s warranty obligations in accordance with Clause GCC 29.3.</p> <p>The Supplier shall replace defective equipment and/or provide any necessary repairs for operability of the Smart Kiosk for a period of 1-year from commissioning and approval of a Smart Kiosk.</p> <p>The Supplier warranty shall exclude remedy to damage from intentional misconduct, misuse, or abuse of equipment. The Supplier shall not be responsible for intentional damage by others to the equipment during the warranty period.</p> <p>Accidental damage to the equipment will be inspected by the Purchaser and the Supplier to determine if the Supplier’s work could reasonably have been expected to withstand the accident without damage. The inspection will determine if the Supplier is responsible for remedy to the damage during the warranty period.</p>

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Ger Area Smart Water Kiosk Upgrade**

ADDENDUM No 2

Annex A

June 08, 2022

**Replacement BSF 13
Technical Offer for Goods and Related Services**

BSF 13 Technical Offer for Goods and Related Services

The Bidder shall provide the following information to describe their Technical Offer for Goods and Related Services to meet the Technical Specification requirements in Section V:

Key elements for proposed Smart Kiosk Management Software design. Bidder shall refer to the General Specification and Smart Kiosk Management Software and Server Specification for requirements:

Table 1

Key Element	Description <i>Bidder to fill in column</i>
Smart Kiosk Dispenser 1. Database software 2. Operating system 3. Language	
Smart Kiosk Management Software 1. Operating System 2. Primary database 3. Consumer website platform 4. Web server 5. Server language	
Server (<i>make, model and data sheet with equipment specifications to be provided by the bidder</i>)	
Uninterruptible Power Supply (UPS) (<i>make, model and data sheet with equipment specifications to be provided by the bidder</i>)	

Offered equipment make and model for items listed below. Bidder shall provide manufacturer's equipment data sheet for each item with relevant specifications describing that the Bidder's offered equipment meets the Technical Specifications in Section V.

Table 2

Category	Equipment	Manufacturer make and model <i>Bidder to fill in column</i>
Control Panel	1. Controller (if a manufacturer has distributors in Mongolia please specify name of distributors)	
	2. Network switch	
	3. Cellular modem	
	4. Controller dual power supply	
Customer Interface Panel	5. Customer Interface Keypad	
	6. NFC Card Reader	
	7. LED Customer Interface Display	
NVR Panel	8. NVR	
Electrical and Instrumentation	9. Smart flow meter	
	10. Control valves (submit details for each type)	
	11. Pressure transmitter	
	12. Temperature instrument	
	13. Water Circulation Pump	
	14. Uninterruptible Power Supply (UPS)	
	15. CCTV Camera (submit details for each type)	
Power System	16. Power meter	
	17. Panel Control Switches	
	18. Voltage stabilizer	

Offered Delivery Schedule for Goods. The Bidder's shall provide their offered final delivery date for the items listed below.

Table 3

Item N ^o	Description of Goods	Bidders Offered Final Delivery Date (calendar days from start of contract)
GENERAL		
<i>Workplan</i>		
1	Workplan and Kick-Off Meeting (Refer to Part 2, 2.1, A of the General Specification, Section V)	
SMART KIOSK MANAGEMENT SOFTWARE		
<i>Software Development</i>		
2	Software Preliminary Outlines (Refer to Part 2, 2.2, A, 1 of the General Specification, Section V)	
3	Software Functional Prototype (Please refer to Part 2, 2.2, A, 2 of the General Specification, Section V)	
4	Software Final Prototype (Please refer to Part 2, 2.2, A, 3 of the General Specification, Section V)	
5	Software Final Documentation Package (Please refer to Part 2, 2.2, A, 4 of the General Specification, Section V)	
<i>Supply and Installation of Hardware and Software</i>		
6	Provide Smart Kiosk Server & UPS (Please refer to Part 2, 2.2, B, 1 of the General Specification, Section V)	
7	Provide Workstation Computers for Smart Kiosk Operation Monitoring (Please refer to Part 2, 2.2, B, 2 of the General Specification, Section V)	
8	Provide Desktop Computers for Smart Kiosk Operation Monitoring (Please refer to Part 2, 2.2, B, 2 of the General Specification, Section V)	
9	Provide Laptop Computers for Smart Kiosk Operation Monitoring (Please refer to Part 2, 2.2, B, 2 of the General Specification, Section V)	
10	Install Smart Kiosk Management Software (Please refer to Part 2, 2.2, B, 3 of the General Specification, Section V)	
<i>Smart Kiosk Integration and Operational Demonstration Period</i>		
11	Integrate Existing Smart Kiosk Dispenser (Controller) Software with New Smart Kiosk Management Software	

	(Please refer to Part 2, 2.2, C, 1 of the General Specification, Section V)	
12	Validate Status of New Smart Kiosks (Please refer to Part 2, 2.2, C, 2 of the General Technical Specification, Section V)	
13	Certification of Operational Demonstration Period (Please refer to Part 2, 2.2, C, 3 of the General Specification, Section V)	
SMART KIOSK UPGRADES		
<i>Shop drawings for Smart Kiosk Dispenser Panels and Smart Water Kiosk Upgrades</i>		
14	Shop Drawings for Smart Kiosk Panels, Kiosk Upgrades, and Dispenser Controller Program Code (Please refer to Part 2, 2.3, A, 1, 2, & 3 of the General Specification, Section V)	
<i>Fabricated Smart Kiosk Panels</i>		
15	Fabricated control panel and customer interface panel (Please refer to Part 2, 2.3, B, 1 of the General Specification, Section V)	
16	Fabricated Power Panel (Please refer to Part 2, 2.3, B, 2 of the General Specification, Section V)	
17	Fabricated NVR Panel (Please refer to Part 2, 2.3, B, 3 of the General Specification, Section V)	
<i>Smart Kiosk Upgrades including Supply, Installation, Testing, Commissioning, Programming & Configuration of Dispensers, EIC, Power Supply, Piping, and Painting</i>		
18	Upgrade of Smart Kiosks with Residential Dispensers (Please refer to Part 2, 2.3, C of the General Specification, Section V)	
19	Upgrade of Smart Kiosks with Truck-Refilling Dispensers (Please refer to Part 2, 2.3, C of the General Specification, Section V)	
20	Upgrade of Smart Kiosks with Dual Residential Dispensers and Truck-Refilling Dispensers (Please refer to Part 2, 2.3, C of the General Specification, Section V)	
21	Additional equipment (Please refer to Part 2, 2.3, D of the General Specification, Section V)	