



Ugum Reservoir No. 2 Construction
 GWA Project No. W14-007-BND
 IFB-06-ENG-2023
 GWA RFI Response No. 2 to Contractor Inquiries

This Addendum and/or Response to Request for Information (RFI) is issued to modify the previously issued bid documents and/or given for informational purposes and to the extent the responses below modify the bid documents, please treat them as an amendment to the IFB. The following are responses to the RFIs received.

	DATE	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
1	03/06/2023	May we request GWA to extend the bid due from March 17, 2023 - Friday to March 24, 2023 - Friday. This is due to our recent follow up with our suppliers for the water tank piping materials giving us notice that they won't be able to submit their price on time for the bid due. Our flowmeter supplier also just recently notified us that they cannot supply the specified Rockwell model flowmeter and we are still waiting for other supplier price.	Bid acceptance deadline has been extended. See Addendum No. 3. Note that flowmeters are specified as Endress Hauser or approved equal.
2	03/06/2023	We have sourced out to multiple piling companies in Guam and all 4 of them on has 16" molds. Please confirm on the assumption that 16" molds is acceptable? 18" diameter piles are currently not available on islan If we are using 16" diameter piles, will there be changes in the design? If yes, please provide.	Required pile size is 18", as indicated in Plans. Contractor should consider procurement or fabrication of molds in bid, if required.
3	03/03/2023	For the uniformity of the Bid, we would like to see if we can request to extend the Performance Period, based on our schedule study, 405 CD or 13.5 Months is not sufficient to	See revision to specification for changes to Performance Period.

		construct the tank. Please see attached Schedule study for your reference.	
4	03/06/2023	Specification section 316329 requires the use of Cast-in-drilled hole concrete piles (CIDH) following ADSC construction procedures and design methods. One CIDH supplier in Guam requested if they could have an option to use 16” piles. This is the only piles that they can produce. Please confirm.	CIDH piles, if selected for use by Contractor, shall be 18” diameter.
5	03/06/2023	To provide the government with a competitive bid, we are requesting a four (4) weeks of time extension of bid date from March 17, 2023, to April 14, 2023. We are having hard time sourcing out cast-in-drilled hole concrete piles supplier for this project. We also have not received any response to our previously sent RFIs, these questions are necessary for us to provide competitive price proposal.	Bid acceptance deadline has been extended. See Addendum No. 3.
6	03/06/2023	<p>Can GWA provide the number of HACH TOC analyzers required on this project.</p> <p>DWG M106 shows 2 dual stream units with TAG designations for each stream</p> <p>Unit 1 (AIT-500 & AIT-501) Unit 2 (AIT-502 & AIT-508)</p> <p>AIT-248 however is not shown, but the specs say it is to be replaced with new:</p> <p style="padding-left: 40px;">The existing AIT-248 analyzer will be removed and new AIT-248 will be installed in new Control Building. The signal for AIT-248 is already terminated in MCC Room Station 3 and integrated with SCADA network. (Specs 400105 Section 1.2 D pg 569)</p> <p>This wording implies a total of 3 new HACH dual stream analyzers with the existing one in the MCC being replaced as well as 2 new ones shown in the DWG. Confirm the existing</p>	<p>Existing Shimadzu TOC Analyzer (AIT-248) in the pump gallery shall be removed and disposed of. No AIT-248 replacement is required.</p> <p>Existing HACH BioTector TOC in the MCC room shall be left in service.</p> <p>Two (2) new BioTector TOC units shall be installed in the new Control Building as shown on M-105:</p> <ul style="list-style-type: none"> • HACH BioTector B3500dw Online TOC Analyzer, 0-25 ppm, 2 stream, 120V AC (Item No. B0.015752000001). To include installation and all necessary material for a fully functional system. • Select Modbus TCP for communication option. • See Specification for all other requirement. <p>Provide the following spare parts:</p> <ul style="list-style-type: none"> • B5C Instrument Air Filter Pack (Item No. 10-SMC-001): 2 each. • BioTector Compressor 115V/60Hz (Item No. 19-COM-160): 2 each.


		<p>AIT-248 is to be disposed of and a new one placed in the new control room. Clarify the sample source of AIT-248, 500, 501, 502, and 508. If 3 TOC units are to be placed in the new control room, indicate where they should be located.</p>	<ul style="list-style-type: none"> • BioTector Sample Overflow Chamber (Model No. 19-BAS-031): 2 each. • Spare Part Kit for BioTector (Model No. 19-KIT123): 2 each. • Bund for Acid and Base (Item No. 10-SSS-003): 2 each. • BioTector Acid 6.0 N Sulfuric Acid (Item No. 2038162): 2 each. • BioTector Base 4.0 N Sodium Hydroxide (Item No. 2038062): 2 each. • Aquatec DDP5800, Open Flow 1.5 GPAM, 115VAC, (Serial Number No. 6119464): 4 each. • Provide 3 years maintenance services for TOC analyzers in the new control building. <p>Sample sources are noted in the plans – C-300. Shop drawings to be prepared by the Contractor and submitted to GWA and CM for approval.</p>
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7	03/06/2023	<p>Where are the wall mounted displays for Pressure going to be placed?</p> <p>Specification 407910 2. M pg. 627 states: The pressure transmitter shall be provided with an additional wall mounted pressure indicator display mounted in the control room. The display shall have a minimum of two relay outputs configurable for process alarms. The display shall be Moore Industries model SPD or approved equal.</p> <p>However, no location for these is shown in the DWGs, E-201 only shows flow and level instrumentation.</p> <p>There are discrepancies between DWGs and Specs on ICM equipment, which should have precedence?</p> <p>Examples:</p> <table border="1" data-bbox="365 737 1180 956"> <thead> <tr> <th></th> <th>Spec Desc</th> <th>Spec Section</th> <th>DWG Description</th> <th>DWG Page</th> </tr> </thead> <tbody> <tr> <td>HMI</td> <td>Maple HMI5103L</td> <td>406300 2.6</td> <td>Maple CMT2158X</td> <td>I202</td> </tr> <tr> <td>Enclosure</td> <td>76x36x24</td> <td>406300 2.10E</td> <td>48x36x12</td> <td>I202</td> </tr> </tbody> </table>		Spec Desc	Spec Section	DWG Description	DWG Page	HMI	Maple HMI5103L	406300 2.6	Maple CMT2158X	I202	Enclosure	76x36x24	406300 2.10E	48x36x12	I202	<p>The pressure indication display is not needed. The pressure analog signal is provided to the PLC and SCADA for monitoring and alarm processing. Paragraph 2.1.M deleted from Specification Section 407910.</p> <p>Use Maple CMT2158X (15" display) for both the OIT at MCC room and Admin Control Building Control Room. Refer to Plans Rev A – I202 and Specification Section 406300, 2.6 A and B.</p> <p>Refer to Plans Rev A: I201 and I202 and Specification Section 406300, 2.7 A for enclosure dimension.</p>
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HMI	Maple HMI5103L	406300 2.6	Maple CMT2158X	I202														
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8	03/06/2023	<p>Is the New PLC Panel and Remote Screen standalone?</p> <p>There are mentions in the specifications of existing control system. But no description of how the new system shall interface with any existing control system. The inclusion of a remote display instead of integrating into existing system seems to indicate a stand-alone system with the pair of panels.</p> <p>If the existing control system is to be modified, clarify what modifications are needed and describe the software currently running the plant.</p>	<p>The Work does not involve integration with existing SCADA system.</p>															
9	03/06/2023	<p>Confirm the process flanges for Promag W500 are to be Stainless Steel per 407910 2.4A 1c pg. 629</p>	<p>Yes, use stainless steel options whenever option is available.</p>															

		The stainless-steel option alone will approximately double the price of the meter.	
10	03/06/2023	<p>The specs for the security system are outdated and cumbersome to fulfill</p> <p>The security system specs 282300 should be reviewed. Windows 7 home premium is over 3 years since end of life. Camera and Network recorder specifications are all about a decade out of current.</p> <p>4 CCTV Cameras:</p> <ol style="list-style-type: none"> 1. 2560x1440 (4mp) resolution, IR illumination 2. 20x or better optical zoom. 3. 360 continuous pan, 180 tilt /auto flip 4. 256 presets, 4 patterns, 8 tracks, auto park power up. 5. H.265/H.264 video compression 6. Image Sensor: 1/2.5" or better Progressive Scan CMOS 7. Supported Resolutions: 4mp / 2560 x 1440, 2048 x 1536, 1920 x 1080 / 2mp / 1080p 8. Video Frame Rate: 30 FPS at 4mp Resolution 60fps at 2mp 9. Power: DC24V, AC24V or PoE+ 802.3at, class 3 (Power over Ethernet) 10. Style: PTZ 360 Dome 11. IP66 or better Weatherproof Housing <p>The Network video recorder should be specified to provide expandability and functionality, but the hardware described is too constraining. CPU is over a decade old, and other specs are similarly</p>	The video surveillance Section 282300 have been updated to reflect the equipment upgrades.

		<p>outdated or nonsensical. The following should be a better approach:</p> <p>The NVR records digital video from up to 8 IP cameras with RJ-45 Network Connection Inputs. Supported Camera Resolutions: 1080p / 2mp, 3mp, 4mp, 5mp, 6mp, 8mp / 4K to internal hard drives. Must support H.264, H.265 Video Compression Must support 14 days storage. Must have upgradable storage Monitor Outputs: HDMI, DP Must support remote access.</p>	
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Bidders are also notified to visit GWA website: www.guamwaterworks.org/bids to ensure that addenda to the IFB, answers to questions, and reminders are communicated to all bidders throughout the solicitation process.



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General Manager

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