



Ugum Water Treatment Plant Rehabilitation (Re-bid)  
 GWA Project No. W22-10-BND  
 IFB-08-ENG-2023  
 RFI Response Nos. **1 thru 5** 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 Bid. The following responses are in response to RFIs received.

	REFERENCE	QUESTION/INQUIRY AS SUBMITTED:	GWA RESPONSE:
<b>Questions from May 10 thru 23, 2023</b>			
<b>1. GENERAL</b>			
a.		Please confirm that the period of performance will exclude the permit application duration due to the lengthy process and that the NTP will be issued after obtaining the required permits.	<b><i>Permit application is included in performance period. If permit duration exceeds 30 calendar days, then additional time may be provided if project critical path is impacted.</i></b>
b.		For the disposal of collected sludge at the Inarajan WWTP, will Inarajan WWTP be charging the Contractor for the disposal? If yes, please provide a rate for the disposal.	<b><i>No disposal fee at Inarajan WWTP, contractor shall cover all costs for pumping and transport.</i></b>
c.		Is attendance to pre-bid conference mandatory?	<b><i>No, attendance to pre-bid conference not mandatory.</i></b>
d.	Sludge Disposal	Please clarify who will be responsible for draining water from basin/tank.	<b><i>Contractor shall remove sludge at the volumes provided on the bid form. GWA will lower basin/tank level to the fullest extent possible.</i></b>

e.		Reference to Assessment and Procurement Report Removal and Replacement Scope of Work, Item E, page 6 of 7 stated no foundation needed for the two (2) forty-foot containers. During the site visit it was mentioned that the containers will seat on pedestals, please clarify?	<b><i>The surface must be level and access into the container shall not exceed 6 inches in height without access steps. Pedestals may be used.</i></b>
f.		AIC would like to request a Bid Extension from May 31, 2023 to June 31, 2023 to be able our vendor/supplier to price it competitively.	<b><i>Request will be considered</i></b>
g.		Please confirm if materials are Buy American?	<b><i>No, project is locally funded</i></b>
<b>2. RIVER INTAKE</b>			
a.		Please provide diameter of flow meter.	<b><i>Flow meter diameter is 16-inch.</i></b>
b.		Please provide diameter of pipe for installation of blind flange.	<b><i>Filter pipe to be removed is 12-inch diameter.</i></b>
c.		For replacing the flow meter, please clarify if this is only for the flow meter or contractor will include flange support?	<b><i>Flow meter should be replaced in kind and shall include supports.</i></b>
d.		Please clarify GWA's intent of the demolished and disposed 2 – filter piping system. It was mentioned on site visit that this will be to be determined.	<b><i>Existing filters shall be removed and disposed of by contractor.</i></b>
<b>3. SETTLING BASIN</b>			
a.	Sluice Gate At Flocculation Basin/Sedimentation Tanks	Would it be possible for GWA to provide more complete set of drawings with elevation and type of installation for the sluice gate?	<b><i>All available as-builts will be provided. Refer to project specification and procurement report. In addition, hoist shall be manual and lift mount shall be hand crank. Updated photos will be provided in amended procurement report.</i></b>
b.		If above is unavailable, please fill the attached document (Attachment A) with the information for each gate or set of identical gates?	<b><i>All available as-builts will be provided. Refer to project specification and procurement report. In addition, hoist shall be manual and lift mount shall be hand crank.</i></b>

c.	Sludge Collection System	Please provide manufacturer, model, dimensions and product number of existing sludge collection system.	<b>Refer to report and specifications. All available as-builts will be provided.</b>
d.		Please confirm if contractor will also provide new motor for the sludge collection system.	<b>Confirmed, motor and gear drive is included</b>
<b>4. MEMBRANES</b>			
a.	Membrane	Please clarify that pre-installation of new rack guides, GWA will be the one uninstalling/moving the membrane system? Contractor obligation is only to remove existing and install new rack guides?	<b>Contractor shall install new support angles as required by bid items 4.4 and 4.5.  GWA will install all other members</b>
b.		On the rusted existing steel angle iron and plates between Cell #1 and Cell #2, please provide photos of the existing frame for the steel plate or provide a new set of drawings for contractor to follow.	<b>See amended procurement report</b>
c.	Variable Speed 1-Ton Chain Hoist	Please provide model number of existing 1-ton chain hoist.	<b>See project specifications.</b>
d.		Please confirm as stated in the bid schedule, replacement of the chain joist support beam is not included	<b>Confirmed.</b>
e.	40-ft. Shipping Container	Will the shipping container be left with GWA – Ugum WTP? Or is this temporary until such time the container is emptied?	<b>The two containers shall be turned over to GWA and remain on site. Containers shall be new.</b>
f.		Please provide duration of container use if this is temporary.	<b>The two containers shall be turned over to GWA and remain on site.</b>
g.		Reference Attachment B, the Ugum Reservoir No. 2 construction has waterline coming in the allotted storage area. Will GWA still go through with the current container location?	<b>Yes</b>
h.	On-site Manufacturer's Technical Field Service	For uniformity of bid, does GWA have a particular date when they would need the on-site manufacturer's technical field service? Will this be happening during the bid duration?	<b>Mid-point of the contract period and after all membrane equipment has arrived on site.</b>

5. BACKWASH			
a.	Backwash (Holding Tank)	Kindly provide model number of existing ITT Flygt backwash transfer pump	<b><i>Refer to equipment list in Procurement report and product specifications.</i></b>
b.		Kindly provide the model number of existing Flygt backwash mixer.	<b><i>Refer to equipment list in Procurement report and product specifications.</i></b>
c.		Please provide diameter of the Magnetic Flowmeter for the Backwash holding tank.	<b><i>Diameter is 4 inches</i></b>
6. NEUTRALIZATION TANK/SLUDGE TANK			
a.		Kindly provide the model number of existing ITT Flygt submersible neutralization pump.	<b><i>Refer to equipment list in Procurement report and product specifications.</i></b>
b.		Kindly provide the Model number of existing ITT Flygt submersible neutralization pump	<b><i>Refer to equipment list in Procurement report and product specifications.</i></b>
c.		Kindly provide the number of nozzles to be replaced as it was indicated to be “nozzles within the tank”. Please provide Manufacturer and product no. if applicable.	<b><i>Refer to drawing PD1.11.1 for best available information and procurement report. All available information has been provided, refer to project specifications. Supporting photos will be provided in amended procurement report</i></b>
d.		Reference Bid Item 6.2, kindly provide the diameter of pH/ORP Meter.	<b><i>Diameter of the line is 1 inch. Refer to drawing PD1.11.1 for best available information and procurement report. All available information has been provided, refer to project specifications</i></b>
e.		Reference Bid Item 6.3, please clarify the number of level sensor/monitors to be replaced. Bid Item shows 1 – ea, page 9 of DCA Procurement checklist 3.6 Item C states to replace 3 – ea monitors.	<b><i>Refer to drawing PD1.11.1 for best available information and procurement report. All available information has been provided, refer to project specifications</i></b>  <b><i>3 level sensors, one in each tank. Backwash, neutralization and sludge tank. Amended procurement report will be provided as an addendum.</i></b>

<b>7. THICKENER SYSTEM</b>			
a.	Thickener System	Please provide shop drawing for the existing drive unit, walkway and beam support, and Rake and Mixer System.	<b><i>Amended procurement report will be provided as an addendum.</i></b>
b.		Does GWA have the drawing/product number of the thickener system as supplied by IEMCO?	<b><i>Amended procurement report will be provided as an addendum.</i></b>
c.	Thickened Sludge Pump	Please provide product number for the existing thickened sludge pump.	<b><i>Amended procurement report will be provided as an addendum.</i></b>
d.		Reference to Assessment and Procurement Report Removal and Replacement Scope of Work, Item 3.7 Thickener Tank page 10 of 10 illustrate the whole thickener system assembly. Please clarify the extent of the scope of work. Additionally, it mentioned finish paint, please identify the items to be painted. What FRP means and where this item will be used for?	<b><i>Amended procurement report will be provided as an addendum.</i></b>
e.		For uniformity of bid, does GWA intend for contractor to provide new design and build a new system for the thickener tank? Will GWA be releasing the as-built (by GMP Associates) for the existing system to contractor to distribute to manufacturers?	<b><i>Amended procurement report will be provided as an addendum.</i></b>
<b>8. OPERATIONS/CHEMICAL</b>			
a.	Chemical Transfer Pump	Kindle provide the model/product number of existing chemical transfer pumps.	<b><i>Refer to equipment list in Procurement report and product specifications.</i></b>
b.	Lift	Please provide more details on the construction of new lift scope. Will contractor need to replace the whole lifting system? Or just the hydraulic lift motor and refurbish existing lift structure?	<b><i>Replace cables, hydraulic cylinders and pump, hoses, and motor assembly. Amended procurement report will be provided as an addendum.</i></b>
c.		Please provide as-built drawing for existing lift.	<b><i>All available information has been provided, refer to project specifications.</i></b>

d.		Reference Bid Item 9.1, please provide diameter of the Magnetic Flowmeter for the sodium hydroxide feed.	<b><i>Removed from scope. Amended procurement report will be provided as an addendum.</i></b>
e.		For uniformity of bid, please provide required length of feed piping for bid item 9.1 sodium hydroxide feed system and other chemical pumps.	<b><i>Refer to procurement report specifically sheet M5.2 for best available information.</i></b>
<b>9. PIPE GALLERY/GENERATOR RM.</b>			
a.		Please clarify how many aluminum access doors are to be removed and replaced in Filter Pipe Gallery/Generator Room. Are the two (2) doors at the second floor included?	<b><i>For the pipe gallery there are two doors one single heading to pipe gallery and one double heading to generator room.</i></b>  <b><i>In addition, include two single doors into upstairs MCC room. Amended procurement report will be issued.</i></b>
<b>10. ADMINISTRATION BUILDING</b>			
a.		During the site visit we were not able to see the opening where the hatch is located. Can you please provide us photo taken from the roof where the hatch is located?	<b><i>Photo will be provided in amended procurement report</i></b>
b.		Reference bid item 10.1 admin building entrance door, as mentioned during the site visit the aluminum entrance door will not be full glass. Please confirm if GWA wants this to be half glass door or just a vision glass on the door?	<b><i>Vision glass is acceptable</i></b>
<b>11. SPECIFICATIONS</b>			
a.	Section 46 43 11: 2.1 A.6.	Please replace/add “neoprene wipers are acceptable”, per standard design. This material has equivalent performance characteristics to the materials specified. Also, please indicate what wiper assembly is required (ie: every flight, every 5 <sup>th</sup> flight, one per mechanism, etc.).	<b><i>Revised specification will be provided through addendum.</i></b>

b.	Section 46 43 11: 2.1 B.3.c	Please replace/add with “Attach to return tracks with 316 stainless steel washers and stainless-steel self-drilling and tapping pan head screw”, per standard design. Washers cannot weld to the angle per the specification due to the FRP material specified.	<b><i>Revised specification will be provided through addendum.</i></b>
c.	Section 46 43 11: 2.1 D.3.a	Please replace/add “polyurethane or nylon sprockets are acceptable”, per standard design. These materials have equivalent performance characteristics to the material specified.	<b><i>Revised specification will be provided through addendum.</i></b>
d.	Section 46 43 11: 2.1 D.5.d	Please remove from specification. Take up assemblies are not necessary with the high strength composite chain already specified, since the chain will not elongate as quickly as a standard duty molded chain. Spare chain can be provided for chain re-tensioning, as necessary.	<b><i>Revised specification will be provided through addendum.</i></b>
e.	Section 46 43 11: 2.1 E.3.b	Please remove from specification, as the idler shaft will be sized according to application parameters. A 6-inch diameter shaft cannot be offered and is not necessary for these tanks. It’s recommended to change to minimum 3-inches”, if necessary.	<b><i>Revised specification will be provided through addendum.</i></b>
f.	Section 46 43 11: 2.1 F.1.	Please replace/add “polyurethane is also acceptable”, per standard design. This material has equivalent performance characteristics to the material specified.	<b><i>Revised specification will be provided through addendum.</i></b>
g.	Section 46 43 11: 2.1 G.1.	Please remove “flexible couplings” and “jaw clutches” from this section. Flexible couplings are not required with industry standard drive assemblies, which include C-face adapters. Jaw clutches are not recommended dur to the tendency to rust and lock up in the field. Instead, shear pin torque limiters can be	<b><i>Revised specification will be provided through addendum.</i></b>

		provided for independent operation of collectors.	
h.	Section 46 43 11: 2.1 G.2.d.1	Please replace/add "Polyurethane plate sections mounted to a Type 316 stainless steel driving hub is also acceptable.", per standard design. This is considered an upgrade to the carbon steel material specified.	<b>Revised specification will be provided through addendum.</b>
i.	Section 46 43 11: 2.1 G.3.	Please remove from specification, as jaw clutches are not recommended per earlier comments.	<b>Revised specification will be provided through addendum.</b>
j.	Section 46 43 11: 2.1 G.4.b	Please replace/add "acetal material is also acceptable", per standard design. This material has equivalent performance characteristics to the material specified. Not all manufacturers are able to offer the nylon material specified.	<b>Revised specification will be provided through addendum.</b>
k.	Section 46 43 11: 3.3 B.	Please add "Equipment shall be lubricated per the manufacturer's requirements for dry testing".	<b>Revised specification will be provided through addendum.</b>
<b>12. DRAWINGS</b>			
a.		Per M-6, please confirm the 10" scum collection pipes shown will be re-used and are not to be provided by the chain and flight manufacturer.	<b>Yes, the 10" scum collection pipe will be reused.</b>
b.		Please confirm the width, length and side water depth for each chain and flight tank.	<b>See as-built plans.</b>

Bidders are also notified to visit GWA website: <http://guamwaterworks.org/bids/> to ensure that addenda to the bid, answers to questions, and reminders are communicated to all bidders throughout the solicitation process.

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MIGUEL C. BORDALLO, P.E.  
General Manager

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