



**TENDER FOR**

**ADDITIONALTANK**

**IN LA HAUT BY**

**INCORPORATION OF**

**ONE (1) 75,000 IMPERIAL GALLON GLASS FUSED**

**TO STEEL POTABLE WATER TANK**

December 2015

## 1. GENERAL

### Introduction:

The Saint Lucia Water Stewardship Partnership invites tenders for the supply for one (1) potable glass fused to steel water tank of 75,000 imperial gallons capacity. Any exposed steel parts are to have as much corrosion protection as is deemed necessary.

### Tender for the supply and installation of Potable Glass fused to Steel Water Storage Tank and related accessories

The Water and Sewerage Company Inc. (WASCO), on behalf of the Saint Lucia Water Stewardship Partnership (SLWaSP), is issuing this call for tender to select its supplier/s for the products specified in Annex A “General Specifications” along with associated products. The successful tenderer will be expected to enter into a formal contract with WASCO, which will be supported by a Framework Supply Agreement. The successful tenderer is intended to be the Provider, but the contract pertaining to this tender shall not constitute an exclusive contract and WASCO, at its sole discretion, reserves the right to enter into agreement with other suppliers, for the same type of supplies/services/works at any time, whenever it deems it necessary. If you believe that your company may be in the position to meet our requirements and would like to be considered as a potential supplier, please refer to questions and documents requested hereby.

This tender dossier has been issued for the sole purpose of obtaining offers for the supply and installation of a potable glass fused to steel water tank with a capacity of 75,000 imperial gallons against the specification contained within this document and the Annex. WASCO reserves the right not to enter into or award a contract as a result of this invitation

to tender. Any attempt by the Tenderer to obtain confidential information, enter into unlawful agreements with competitors or influence the evaluation committee or WASCO during the process of examining, clarifying, evaluating and comparing tenders will lead to the rejection of its offers and may result in the termination of contract where applicable.

**1. Confirmation of intention to tender**

I, \_\_\_\_\_ (name of Company's Representative) for  
and on behalf of

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Company's name and address) have received copies of all documents listed above and intend / do not intend (delete as appropriate) to submit a tender for consideration by the closing date for the offer.

Name \_\_\_\_\_

Email \_\_\_\_\_

Signed \_\_\_\_\_

Date \_\_\_\_\_



## 2. SCHEDULE OF REQUIREMENTS

2.1 All tenderers must supply the following information in their bids. Failure to provide the information will render the bid void:

- (a) Registration number of company;
- (b) Country in which company is registered;
- (c) The date on which the company was first incorporated;
- (d) A copy of company's Certificate of Incorporation, as evidence that the company is in existence at the date of the bid;
- (e) In the case of sole proprietorships or partnerships, the names and addresses of owners must be supplied. If the business is registered under the Registration and Business Names Act, a copy of the registration must be provided.
- (f) Tenders should be submitted in sealed envelopes marked "Tender for Supply of one (1) 75,000 imperial gallons Glass fused to Steel Potable Water Tank" addressed to:

The Managing Director

WASCO

L' Anse Road, P.O. Box 1481, Castries, Saint Lucia, West Indies

to reach the office no later than Friday, December 21<sup>st</sup> 2015, at 4:30pm.

**The Water and Sewerage Company Inc.**

**Tender Dossier**

**Water Storage Tanks & Related Accessories**

<b>Tender Main Facts Table</b>	
Tender reference	LaH1/15
Tender launch date	4 <sup>th</sup> December 2015
Queries to	aly_anthony@wascosaintlucia.com
Deadline for submission of offers	21 <sup>st</sup> December 2015
Address for submission of offers	As stated above
Estimated date of award of contract(s)	23 <sup>rd</sup> December 2015
Duration of contract	5 months

- (g) No Tender will be considered unless it complies with the conditions set out in this Notice.
  - (h) WASCO does not bind itself to accept any Tender.
  - (i) Any Tender delivered after the closing time and date or any extension thereof will not be considered.
  - (j) For further information please contact Mr. Aly Anthony at telephone number 758 457 3900.
- 2.2 All tenders must be quoted in U.S. Dollars or in Eastern Caribbean Dollars, C.I.F., and inclusive of VAT.
- 2.3 WASCO reserves the right to refuse any tender that does not conform to the requirements of this document.
- 2.4 The bidding document shall outline the methodology and include a project schedule specifying the key dated activities to be carried out and milestone dates for submission of project deliverables.

### 3. PENALTIES

- WASCO reserves the right to enforce penalties against a tenderer for delays occasioned by him in the execution of these works. The penalty shall apply from the stated completion date of the particular phase. The total penalty shall not exceed 5% of contract sum.
- WASCO reserves the right to alter the schedule of tender and contract awarding.
- WASCO reserves the right to cancel this tender process at any time and not to award any contract.
- WASCO reserves the right not to enter into or award a contract as a result of this invitation to tender.
- WASCO does not bind itself to accept any tender.
- WASCO shall not be liable in respect of any costs incurred by the Tenderer in the preparation of the offer nor any associated work effort, including the production of presentation materials, brochures, product specifications or manuals for evaluation.

## CONDITIONS OF TENDERING

### 1. Acceptance of Tender and Tenderer's Expenses

WASCO will not reimburse the tenderer for any expense incurred in the preparation of this tender.

### 2. Firm Price

No price variation clause is to be included in the Tender. Prices in U.S. dollars or in Eastern Caribbean dollars must be quoted and such prices shall include for all materials, labour, plant, equipment, transport, handling of materials and plant, tools and appliances and all other things necessary for the execution of the work.

### 3. Tenderer to Obtain His Own Information

The Tenderer shall inform himself on all matters necessary for compliance with the Contract and in all matters that might in any way affect the prices quoted by him.

## CONDITIONS OF CONTRACT

### 1. Examination of Work

The Contractor shall afford full opportunity, when so requested, for the representative of WASCO to examine and measure any work. The Contractor shall make good any work which, in the opinion of the said representative, is deemed unsatisfactory.

### 2. Termination of Contract

WASCO shall be entitled to terminate this Contract and to recover from the Contractor the amount of any loss resulting from such determination due to non-performance by the Contractor.



### 3. Clarifications

Tenderers may submit questions related to this tender via email to the addresses specified in the “Tender Main Facts table” above, before the deadline for submission of bids.

WASCO may request further information from Tenderers after the submission of their proposals.

The onus is on the Tenderer to ensure that its offer is complete and meets WASCO’s requirements. Failure to comply may lead to the offer being rejected without any reason being given. Please therefore ensure that you read this document carefully and answer fully all questions asked.

## Annex A

### General Specifications

#### Conditions for the New Tank

They should have a:

- Diameter of approximately seven meters (7 M)
- Height of approximately ten meters (10 M)
- Volume of 75,000 imperial gallons
- A roof with a twenty-four inch (24") diameter inspection hatch, eighteen inch (18") fresh air vent and all necessary fixings.
- Thirty-inch (30") diameter access manhole.
- Vertical access ladder with safety cage and top working platform.
- Four-inch (4") ball float valve with contacts for level position.
- Four-inch (4") inlet, outlet flanges and four-inch (4") overflow flanged nozzles.
- Six inch (6") bottom drain outlet
- Bar - Level Indicator (Tell-Tale).
  - Cathodic Protection should be provided.
  - Floor assembly details should be provided.
  - The proposal should include for the design, supply and installation of tanks (as specified above) and supervision of all necessary site works to ensure a complete turnkey job. The life span of the tank, warrantee for the tank, their installation and time frame/conditions of the warrantee's validity should also be stated.
  - Compliance with the requirements of ISO 9001 part 1, and incorporate

the relevant international design standards. The environment elevation is approximately six hundred and twenty feet (620') above sea level, has an ambient temperature of twenty-six degrees Celsius (26° C) and the chlorination concentration will vary between 0.8 & 1 ppm (parts per million). No loads, cutouts or fitments should be applied to the tank without prior consultation and advice.

- The structure should be designed for seismic zone 2 and to resist one hundred and fifty miles per hour (150 mph) wind speed.
- General arrangement drawings should be provided as soon as possible or within four (4) weeks after receipt of tender selection contract. The installation includes flange connections for inlet, outlet, drain and overflow pipes, and hydraulic testing.

#### Specifications for Base

Note that the Water and Sewerage Company Inc. (WASCO) on behalf of SLWaSP, will carry out the following activities related to the base, sitework and tank base preparation:

1. Clearing and preparation of the site for the 75,000 imp gallon tank at La Haut, Laborie, Vieux Fort, Saint Lucia.

#### SITWORK

1. Clear the entire site of all vegetation, organic materials rubbish, debris, and other foreign or objectionable materials above the ground surface. Remove all stumps, large roots, buried logs, and other objectionable materials below the ground surface. Material to be disposed off in a suitable location.

## TANK BASE PREPARATION

1. Soil directly beneath the tank base shall have the minimum load bearing capacity as specified by the selected supplier. Where site is filled with suitable granular material, compaction to 98% of maximum density must be achieved.
2. Waste material will be disposed of at WASCO's Stores, Beausejour, and Vieux Fort.

**PAYMENT TERMS AND CONDITIONS TO BE CLEARLY STATED.**

ANNEX B



**ANNEX I: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER**

**Contract title: SUPPLY OF ONE (1) 75,000 IMPERIAL GALLON GLASS FUSED TO STEEL POTABLE WATER TANK**

Item Number	Specifications	Specifications Offered	Evaluation Committee's notes
1	<p>1 no. Glass Fused to Steel Bolted Water Storage Tank with a brimful capacity of 341 m<sup>3</sup> (75,000 imperial gallon) and the following specifications:</p> <p><b><u>DESIGN CRITERIA</u></b>  <b>Design Standards</b></p> <p>The tank plate/sheet materials, design, fabrication and erection of the sectional tank shall conform to the AWWA Standard "Factory-Coated Bolted Steel Tanks for Water Storage" ANSI/AWWA D103-97.  The tank coating system shall conform solely to Section 10.4 of ANSI/AWWA D103-97.  Freeboard of 512mm.  To fit a base of 7m diameter.  Height restriction of 6.096m (20ft).  Tank construction – vertical cylindrical bolted sectional steel.  Tank panel coating – vitreous enamel.  Tank panel colour – blue  Design wind speed – 150mph  Seismic zone – Zone 2</p> <p><b>Design and construction of tank foundation/base.</b>  The Water and Sewerage Company Inc. (WASCO) is responsible for the site preparation. The site will be:</p> <ul style="list-style-type: none"> <li>• free of trees and other scrub for a perimeter of at least 3.048m (10ft) from the finished tank walls;</li> <li>• stripped by 25.4mm (12");</li> <li>• prepared with a minimum thickness of 300mm of Type I stone (or similar specification) compacted to achieve a net uniform allowable bearing capacity of 100kN/m<sup>2</sup> over ground which had been certified as having an equal allowable bearing capacity;</li> <li>• free of all existing services, overhead, over ground or underground;</li> <li>• motorable – readily accessible by 2 x 4 pick-up, flat bed crane trucks, and ready mixed concrete lorries with level vehicle standings adjacent the foundation for direct discharge of concrete.</li> </ul>		

Item Number	Specifications	Specifications Offered	Evaluation Committee's notes
	<p>The contractor is responsible for:</p> <ul style="list-style-type: none"> <li>• verification of the quality of site preparation</li> <li>• design and construction of the tank foundation/base</li> </ul> <p><b>Roof</b> The roof shall comprise radially sectional Glass-Fused-to-Steel plates utilizing the same fixings and sealants as the tank shell.</p> <ol style="list-style-type: none"> <li>1. The roof should be air limiting, clear span and self supporting.</li> <li>2. Internal glass finish to be a 3 coat, 2 fire process.</li> <li>3. All supporting beams should be galvanized finish and be fixed on the exterior of the roof decking plates to eliminate internal condensation traps.</li> <li>4. All internal glass surfaces shall be inspected in the Manufacturer's plant in accordance with Section 4.2.</li> <li>5. Roof appurtenances shall include (but not be limited to) 609.6mm (24") inspection hatch located at eaves position and include 17 ½" central air vent with insect screening.</li> <li>6. All openings shall be pre-formed before glassing.</li> </ol> <p><b><u>MATERIALS</u></b> <b>Plates and Sheets</b> Plates and sheets used in the construction of the tank shell and roof shall comply with the minimum standards of AWWA D103-97, Section 2.4. Such plates shall be produced by a hot rolling process and as minimum, conform to ASTM requirements A570 Grades 33 and A607 Grade 55 Class 2 and Grade 60 Class 2. These materials shall be sourced from reputable International Steel mills. Raw materials delivered to the Manufacturer's plant shall be tested/inspected to ensure compliance with the manufacturer's requirements for strength and chemical composition. Test Certificates and Certificates of Conformity shall be available for the Engineer's inspection if required.</p> <p><b>Horizontal Wind Stiffeners</b> The top stiffener shall provide a flat, horizontal, continuous surface at tank rim level. Wind stiffeners shall be steel, hot dipped galvanized, rolled steel angle or web truss types.</p>		

Item Number	Specifications	Specifications Offered	Evaluation Committee's notes
	<p><b>Bolt Fasteners</b> Bolts used in tank lap joints shall conform with ASTM A325 and A490 and shall be ½” – 13 UNC-2A rolled thread with hot dipped galvanized coating. The bolts shall have a minimum tensile strength of 113,800psi with shear stress calculated at 0.25 of the tensile strength in accordance with AWWA requirements and a minimum permanent set limit of 91,000psi</p> <p><b>Bolt Head Encapsulation</b> All tank shell and Glass-Fused-to-Steel roof structure bolts shall have UV resistant polyethylene encapsulation of the bolt head and be certified to meet ANSI/NSF standard 61 for indirect additives.</p> <p><b>Sealant</b> The sealant shall be used to seal lap joints, bolt connections and sheet edges. The sealant shall cure to a rubber like consistency and have excellent adhesion to the glass coating, having low shrinkage, and be suitable for interior and exterior exposure. The sealant shall be a one compound moisture cured polyurethane compound. Where required, the sealant shall be suitable for contact with potable water and meet applicable FDA Title 21/NSF regulations. EPDM or Neoprene gaskets shall not be used other than for shell man way door/hatch.</p> <p><b><u>GLASS COATING</u></b></p> <p><b>Coating – Two Coat, Single Fire Process</b> Internal tank sheet color to be Cobalt Blue (BS 4900 20-C-40) unless otherwise stated with external sheet color Cobalt Blue (BS 4900 20-C-40).</p> <p><b>Inspection</b> Inspection procedures shall be carried out within the Manufacturer's plant under ISO 9001 Quality Systems (Specification for Design/Development, Production, Installation and Servicing).</p>		
	<p><b><u>ANCILLARIES</u></b></p>		



Item Number	Specifications	Specifications Offered	Evaluation Committee's notes
	1 No. set of sacrificial anode; 1 No. x 100mm GMS d/f inlet connector; 1 No. x 100mm GMS d/f outlet connector; 1 No. x 150mm GMS d/f overflow connector; 1 No. x 100mm Float Valve 1 No. x 200mm GMS s/f washout 1 No. x 600mm square GMS base ring shell man way; 1 No. Aluminium (flat, 1° camber); 1 No. x 609.6mm (equivalent vent area) aluminum roof vent; 1 No. x 150mm DI washout assembly casted within the floor slab of the tank (bellmouth, bend and d/f pipe); GMS – Galvanised Mild Steel (hot dip galvanise to BS EN ISO 1461 – 1999) d/f – double flanged connection s/f – single flanged connection DI – ductile iron		