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1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scotia
B3J 1T3
Bid Fax: (902) 496-5016

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise
indicated, all other terms and conditions of the Solicitation
remain the same.

Ce document est par la présente révisé; sauf indication contraire,
les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scot
B3J 1T3

Title - Sujet Sea Container	
Solicitation No. - N° de l'invitation W7707-196307/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client W7707-19-6307	Date 2018-07-30
GETS Reference No. - N° de référence de SEAG PW-\$HAL-121-5754	
File No. - N° de dossier HAL-8-80003 (121)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-08-14	
Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Russell (HAL), Alex	Buyer Id - Id de l'acheteur hal121
Telephone No. - N° de téléphone (902) 401-8180 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Amendment 002 is raised for the following:

Question 1.1:

5.1.1 Water tight marine doors, the material is not specified. Can you please confirm?

Reference: 5.1.1 Watertight Marine Doors

Requirement Number	Specifications	Value
5.1.1.1	Watertight Marine Door 36 inch X 74inch	1 new outward swinging, 36 inch X 74 inch watertight marine door, complete with window and keyed lock set, keyed alike, must be installed in the left side wall of the container midway between the forward and after ends, as indicated in drawing 2017-00043381 Section A-A.
5.1.1.2	Watertight Marine Door 32 inch X 74inch	1 new outward swinging, 32 inch X 74 inch watertight marine door, complete with window and keyed lock set, keyed alike to the left side door lockset, must be installed in the left hand cargo door as indicated in drawing 2017-00043381 Section A-A with the cargo door's securing system modified to ensure a proper seal.

Answer 1.1: The doors must be made of steel.

Question 1.2:

5.1.2.2 The color of vinyl flooring is not specified. Can you confirm the color?

Reference: 5.1.2.2

Requirement Number	Specifications	Value
5.1.2.2	Floor Section (Remaining)	The remaining wooden floor must be covered with a durable industrial grade non slip vinyl flooring material.

Answer 1.2: Gray, any shade

Question 2.1:

5.1.3.3 Please state the width of the flat bar required.

Reference: 5.1.3.3

Requirement Number	Specifications	Value
5.1.3.3	Flat Bar/Plate	A ¼ inch thick X 12 foot 7 inch long steel flat bar/plate must be installed (welded) on the ceiling of the container to act as a top steady for mounting electronic racks. The steel flat bar/plate must be trimmed to be parallel with the steel floor insert, at a height of 82 inches, as indicated in drawing 2017-00043381 Section B-B.

Answer 2.1: As indicated in section B-B of drawing 2017-00043381, the flat bar is ¼ inch thick by 12.5 inches wide by 12 foot 7 inches long.

Question 2.2:

5.1.4.4 There is a reference to quantity 6 lights, but when describing the placement there are quantity 8. Can you clarify?

Reference: 5.1.4.4

Requirement Number	Specifications	Value
5.1.4.4	Light Fixtures	6 LED light fixtures with illumination equivalent to Aqua Signal 1444 must be installed. 2 must be installed on the right wall and 4 must be installed on the ceiling, as indicated in drawing 2017-00043381 Section B-B. The 2 lights installed on the wall must be wired on 1 circuit. The 4 lights installed on the ceiling must be wired separately as pairs. The 2 lights located on the end of the container with the door must be wired together on 1 circuit and the 2 on the container end with no door must be wired on a separate circuit. Lights must have emergency battery backup with a minimum operation time of 90 minutes.

Answer 2.2: As indicated in section B-B of drawing 2017-00043381, only 6 LED lights are required. The description in 5.1.4.4 is defining the pairs to be wired together on single circuits. To clarify, the 2 wall mounted lights are on one circuit. Referring to the drawing, the ceiling light at the rear (door) end and the next closest ceiling light are to be on one circuit. The ceiling light at the front (non-door) end and the next closest ceiling light must be on one circuit.

Question 2.3:

5.1.4.7 How much cabling is to be used? Is a size of cable tray desired? Please specify.

Reference: 5.1.4.7

Requirement Number	Specifications	Value
5.1.4.7	Cable Trays	Cable trays must be installed with standoffs used for electrical routing. Lengths of cable trays must be sufficient to carry the required amount of cables. All wiring must be visible for ease of future maintenance.

Answer 2.3: The cable trays are only required for the cabling that the Bidder determines is required to correctly install all of the electrical components specified in the SOR. The Bidder will be required size the cable trays allowing 50% additional space for any future in service modifications and expansions. The cable tray can be constructed of either aluminum or steel.

Question 2.4:

5.1.8.3 Please specify what size of beam is required and/or what the intention is? (Skid base?)

Reference: 5.1.8.3

Requirement Number	Specifications	Value
5.1.8.3	Stiffener Beams	2 stiffener beams must be added longitudinally to underside of the container at 2.5 feet spacing from centerline of container.

Answer 2.4: The requirement for stiffener beams on the underside of the container has been re-evaluated and they are NOT required. No underside stiffener beams are to be included.

Question 2.5:

5.1.12.1 Can you confirm that the pipe is to be treaded "internally"? This will NOT be compatible with a 4" pipe cap.

Reference: 5.1.12.1

Requirement Number	Specifications	Value
5.1.12.1	Pipe Cable Transit Frame	4 inch diameter pipe cable transit frames (4 inch schedule 40 steel pipe) must be installed, quantity 2 of each, on both sides of the container. The interior end of the pipe must be threaded to allow the use of a standard 4 inch

		internally threaded steel pipe cap (which must be included) to seal the openings when the transit blocks are not fitted. The transits must be installed on each side, 1 on the forward end and 1 on the aft end, as indicated in drawing 2017-00043381 Section A-A.
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Answer 2.5: Four in number cable transits are required, two on each side, as shown in drawing 2017-00043381 Section A-A. 4 inch diameter, schedule 40 steel pipe is to be used for each transit, the container interior end of the pipe is to be externally threaded to accept standard 4 inch national pipe thread steel pipe caps, which are internally threaded to mate with the external threads on the pipe.

Question 3.A.1:

5.1.6.1 What type and system is the pull station linked to? Can you specify the pull station required?

Reference: 5.1.6.1

Requirement Number	Specifications	Value
5.1.6.1	Fire Alarm Pull Stations	2 fire alarm pull stations must be installed adjacent to the marine doors.

Answer 3.A.1: The exact specifications of the fire detection / alarm system will vary depending upon the various applications of the sea container. As such, pull stations are not required to be supplied and in their place, 1/8 inch thick, 6 inch by 6 inch steel plates are to be installed in their place, allowing for the mounting of various pull stations by the Technical Authority.

Question 3.A.2:

5.1.6.2 Please provide details of the detection sensors for the brackets requested.

Reference: 5.1.6.2

Requirement Number	Specifications	Value
5.1.6.2	Brackets for Fire Detection Sensors	2 brackets for fire detection sensors must be installed on the ceiling, approximately 24 inch from the ends of the container.

Answer 3.A.2: The exact specifications of the fire detection / alarm system will vary depending upon the various applications of the sea container. As such, detection brackets are not required to be supplied and in their place, 1/8 inch thick, 6 inch by 6 inch steel plates are to be installed in their place, allowing for the mounting of various sensors by the technical authority.

Question 3.A.3:

5.1.6.3 For the extinguisher brackets, can you please provide details of the chemical extinguishers?

Reference: 5.1.6.3

Requirement Number	Specifications	Value
5.1.6.3	Brackets for Fire Extinguishers	2 brackets for mounting chemical fire extinguishers must be installed adjacent to the marine doors.

Answer 3.A.3: The exact specifications of the fire extinguishers will vary depending upon the fire code of the country where the sea container is employed. As such, extinguisher brackets are not required to be supplied and in their place, 1/8 inch thick, 6 inch by 6 inch steel plates are to be installed in their place, allowing for the mounting of various extinguishers types by the Technical Authority.

Question 3.B.1:

5.1.9 Can you please specify what type of tie down you need? Welded, bolted, size etc.

Reference: 5.1.9 Tie Down Eyes

Requirement Number	Specifications	Value
5.1.9.1	Tie Down Eyes Midlevel	8 tie down eyes must be installed 32 inches above the floor, and 24 inches apart on left and right sides (4 on each side).
5.1.9.2	Tie Down Eyes Floor	8 tie down eyes must be installed on the floor, 24 inches apart on left and right sides (4 on each side).
5.1.9.3	Tie Down Eyes Ceiling	8 tie down eyes must be installed on the ceiling, 24 inches apart on left and right sides (4 on each side).

Answer 3.B.1: Tie down eyes must be constructed of steel, rated to a minimum of 500 pounds, and are to be welded to the sea container. The Midlevel (5.1.9.1) and Ceiling (5.1.9.3) tie down eyes are to be fixed eyes of between 1 ½ and 2 inches inside diameter. The floor tie down eyes must be either flush fixed or flush retractable and also rated to 500 pounds. The locations of the four right side floor Tie Down Eyes are; 7 inches on center inside the right interior wall and equally spaced between the inside front and rear interior walls. The locations of the four left side floor Tie Down Eyes are; 20 inches on center inside the left interior wall and equally spaced between the inside front and rear interior walls.

Question 3.C.1

5.1.10 Can you please specify or provide technical information of what type of supports you require.

Reference: 5.1.10 Supports

Requirement Number	Specifications	Value
5.1.10.1	Supports	Container must have supports capable of supporting 4 removable ISO levelling supports that will be periodically mounted to the 4 corners of container.

Answer 3.C.1: The requirement for ISO Leveling Supports has been re-evaluated and they are NOT required. No leveling supports are to be included.

Question 4.1:

5.1.2 Can you please confirm if floor of container is insulated?

Reference: 5.1.2 Floor Section

Requirement Number	Specifications	Value
5.1.2.1	Floor Section (Main)	A section of the existing wooden floor must be replaced with a 3/4 inch thick steel plate insert, as indicated in drawing 2017-00043381 Section A-A. The insert must be flush with the existing floor and start 14 inches from left side after paneling and/or insulation is installed, as indicated in drawing 2017-00043381 Section A-A.
5.1.2.2	Floor Section (Remaining)	The remaining wooden floor must be covered with a durable industrial grade non slip vinyl flooring material.

Answer 4.1: The floor must not be insulated.

Question 5.A.1:

5.1.4 Electrical – mentions marine quality for the equipment and lighting but does specify what type and classification of NEMA is required? Please confirm.

Reference: 5.1.4 Electrical

Answer 5.A.1: All of the electrical components specified in 5.1.4 must be certified by a recognized standards organisation, such as CSA, UL or NEMA, as being fit for use in a marine environment.

Question 5.A.2:

5.1.4.1 There is no amperage specified for the 6 receptacles. Please confirm.

Reference: 5.1.4.4

Requirement Number	Specifications	Value
5.1.4.1	120 Volt (V) Power Receptacles	Quantity 6 of 120 V receptacles must be installed in the ceiling between the steel flat bar/plate and the right wall, as indicated in drawing 2017-00043381 Section B-B. Each receptacle must run to its own circuit in the 120/240 power panel.

Answer 5.A.2: 20 amp receptacles

Question 5.A.3:

5.1.4.7 This section mentions cables. What size is required and is aluminum acceptable?

Reference: 5.1.4.7

Requirement Number	Specifications	Value
5.1.4.7	Cable Trays	Cable trays must be installed with standoffs used for electrical routing. Lengths of cable trays must be sufficient to carry the required amount of cables. All wiring must be visible for ease of future maintenance.

Answer 5.A.3: All cabling required to connect the specified electrical components (receptacles, lighting, power panels, etc) must be copper and sized appropriately given the specified amperage loads. The cable trays are only required for the cabling that the Bidder determines is required to correctly install all of the electrical components specified in the SOR. The Bidder will be required to size the cable trays allowing 50% additional space for any future in service modifications and expansions. The cable tray can be constructed of either aluminum or steel.

Question 5.A.4:

Can you confirm who is responsible for offloading the Sea Container at Site?

Answer 5.A.4: The container will be off-loaded at site by a crane arranged and funded by the Technical Authority.

All other terms and conditions remain the same.