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**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

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Title - Sujet CCG MCI Heavy Equipment Facility	
Solicitation No. - N° de l'invitation EB144-212604/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client EB144-21-2604	Date 2021-04-13
GETS Reference No. - N° de référence de SEAG PW-SPWA-122-6143	
File No. - N° de dossier PWA-0-84135 (122)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Daylight Saving Time ADT on - le 2021-04-22 Heure Avancée de l'Atlantique HAA	
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: Chinye (PWA), Chukwudi	Buyer Id - Id de l'acheteur pwa122
Telephone No. - N° de téléphone (902) 401-7604 ()	FAX No. - N° de FAX (902) 496-5016
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Instructions: See Herein

Instructions: Voir aux présentes

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Signature	Date

Amendment 002 is raised to answer the questions below;

Question 1: Drawing C003 Detail #3 indicates that the bollards are 200 mm dia Sch 40 steel while drawing A02 detail 3 specifies 150 mm HSS. Which is correct?

Answer to Question 1: The bollards should be as per Drawing C003 Detail #3.

Question 2: Please confirm dimensions of the ramp on the North Side of the Building. Drawing C002 shows a larger ramp size than Drawing S02.

Answer to Question 2: The ramp should be as per Drawing C02.

Question 3: Section 31 21 33, Item, 3.08.5 states a 150mm thick layer of clear stone is to be placed below slab. Section 6 on Drawing A05 states a 50mm layer of sand above a 152mm granular base. Please clarify.

Answer to Question 3: It is as per Drawing A05.

Question 4: Structural Drawing S02 states a thickness of 175mm for both the Exterior Ramp and Pads. Civil Drawing C003, Details #9 and #10 state a thickness of 200mm. Please clarify.

Answer to Question 4: It is as per Drawing S02.

Question 5: Structural Drawing S02 states 15M Rebar @ 300mm c/c E.W. for both the Exterior Ramp and Pads. Civil Drawing C003, Details #9 and #10 state a 10M @ 400mm T&B E.W. Please clarify.

Answer to Question 5: It is as per Drawing S02.

Question 6: It is unclear of how much of unsuitable material shall be removed from beneath the building footprint as per notes on Drawing C002. Please provide Geotechnical Report as referenced on Drawing C002. Alternatively, could an allowance be made for the tender form to cover the cost of unsuitable materials that cannot be quantified with the current documents?

Answer to Question 6: Please see attached Geotechnical Investigation Report

Question 7: The drawings show waterproofing over the foundation. Please provide a specification for this product.

Answer to Question 7:

Add Waterproofing Membrane as follows: non-woven polyester reinforcement and SBS modified bitumen with thermofusible plastic film on both faces, and meeting or exceeding the following minimum physical properties and performance characteristics:

- .1 Minimum total thickness of membrane: 3.0 mm.
- .2 Tensile strength: MD = 25 kN/m - XD = 16 kN/m to ASTM D5147.
- .3 Ultimate elongation: MD = 60% - XD = 65% to ASTM D5147.
- .4 Cold bending: minimum -30 degrees C.
- .5 Water vapour permeability: <0.004 perms.
- .6 Puncture Resistance: >400 N.

Question 8: The insulation on the foundation walls show parging cover on the architectural drawings. The specification for rigid insulation only mentions cement board. Can you clarify which is required?

Answer to Question 8: A parging coat is required to be applied over the cement board. The parging coat shall be a one-component, fine grained, water repellant cementitious skimming mortar in grey colour. Mix with water and apply as per manufacturer's recommendations with a flat trowel and finish with a metal or sponge float.

Question 9: Section 03 30 00 notes cast in place insulation however the drawings do not reflect the specification. Can you clarify if this is required?

Answer to Question 9: Specification 03 30 00 Delete reference to cast in place insulation.

Question 10: Section 03 30 00 mentions 10mil vapour barrier. Section 07 27 00 mentions 15mil. Can you clarify which is required for underslab vapour barrier?

Answer to Question 11: Delete underslab Vapour barrier in Section 03 30 00 and provide underslab vapour retarder as per Section 07 27 00 article 2.05.

Question 11: Section 03 30 00 mentions a shake on hardener. Section 03 35 00 mentions a liquid hardener. Can you clarify which is required?

Answer to Question 11: For concrete finishing delete reference to items shown in Specification Section 03 33 00 and follow section 03 35 00.

Question 12: The metal siding is listed as being 25 gauge. Can a gauge be provided for the metal roofing?

Answer to Question 12: Please see specification section 07 61 00 article 2.03 - Metal roof/wall panels to be 0.5 mm thickness.

Question 13: Can a specification be provided for the gutters and downspouts?

Answer to Question 13: Please see specification section 07 61 00 add article 2.02.5- Gutters and Downspouts -

- .1 Form downspouts from 0.7010 mm thick prefinished Z275 hot dip galvanized sheet metal. Sizes and profiles as indicated. Colours as determined by Departmental Representative.
- .2 Form gutters from 1.30 mm thick prefinished Z275 hot dip galvanized sheet metal. Sizes and profiles as indicated. Colours as determined by Departmental Representative.
- .3 Provide goosenecks, outlets, strainer baskets and necessary fastenings.

Question 14: Can a specification be provided for the rubber base shown in Washroom 102?

Answer to Question 14: Provide 100mm high vinyl cove base. Adhere to concrete block as per manufacturer's recommendations.

Question 15: Are the interior masonry walls to be painted as per the finish schedule on A01 or unfinished as per A03?

Answer to Question 15: The finishes are to be as per the finish schedule on A01.

Question 16: Are any structural steel, metal deck, railings, stairs, etc. required to be painted?

Answer to Question 16: The finishes are to be as per the finish schedule on A01. All exposed structure is to be painted.

Question 17: The washroom mirror appears to specified in 10 28 10 as well as 08 80 50. Can you clarify which is correct?

Answer to Question 17: The mirror shall be supplied as per Specification Section 10 28 10.

Question 18: Specification 10 28 10 lists both a paper towel dispenser and an electric hand dryer. The drawings only show a paper towel dispenser. Can you clarify if the hand dryer is required?

Answer to Question 18: Specification 10 28 10 - article 2.02.3 delete the Hand dryer

Question 19: In section 14 of the tender regarding the overhead crane, it gives a specific hoist and end truck brand for the overhead crane. Will other hoist brands be accepted as long as they meet the specifications and classifications

provided within the document ie, CMAA Standard, CSA B167-16 standards etc.? Typically we see specifications for the overhead crane as they relate to general standards and user needs (speed, usage classification) and if a brand is mentioned it is usually followed by: or equivalent.

Answer to Question 19: Specification Section 14 60 00 - article 2.01.1 Crane Summary - Overhead cranes that meet or exceed the performance criteria contained throughout this specification and as shown on the drawings will be accepted.

Question 20: Seeking clarification on the following concrete finishing products: 1) Section 03 30 00, 2.01 Materials, .14 Curing Compounds & .15 Dry-Shake Hardener, along with 3.02 Construction, 6.3 & .13.1 Curing & Sealing Compound compatible with applied finish & .14.1 Dry-Shake Hardener; Versus 2) Section 03 35 00, 2.02 Sealing Compound; Versus 3) Section 03 35 00, 2.03 & 3.05 Liquid Applied Chemical Sealer & Hardener; Versus 4) Section 03 35 00, 2.04 Curing Compound & 3.04.1 referring back to Section 03 30 00;

Answer to Question 20: For concrete finishing delete reference to items shown in Specification Section 03 33 00 and follow section 03 35 00.

Question 21: Section 08 44 13, item 2.05 notes to refer to the Exterior Materials and Finish Schedule for the curtain wall finish required. Please confirm what anodized finish is required for the curtain wall frames?

Answer to Question 21: Clear Anodized

Question 22: Please provide a detail for the Trench Drains.

Answer to Question 22: Install the trench drains as per the manufacturer's instructions

Question 23: The plans show a reinforced concrete ramp (C002, S02, A01) but no size has been provided. Can you provide a size of this ramp?

Answer to Question 23: See answer 2 above.

Question 24: The plans show a reinforced concrete ramp (C002, S02, A01) but no size has been provided. Can you provide a size of this ramp?

Answer to Question 24: The sizing shown in the schedule is correct, 300L with 1.5" connections

Question 25: Please confirm the correct sizing and connections of the Air Separator (AS-1) - Schedule says 1.25" connections, Spec says 2-1/2" flanged connections.

Answer to Question 25: The sizing shown in the schedule is correct, 1.25" connections.

Question 26: Please confirm the correct sizing and connections of the Hydraulic Separator (HS-1), Schedule says 1.9L with 1.25" connections

Answer to Question 26: The sizing shown in the schedule is correct, 1.9L with 1.25" connections

In Section 23.52.02 Radiant Floor Heating Systems

Add article 2.1.4 as follows; 1. The ASTM specification that must be met by products for this scope of work is ASTM F877 - 20 Standard Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems (Not ASTM F-87)

All Other Terms and Conditions Remain the Same.