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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

**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
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Title - Sujet BIO - Fish Lab Renovation IOB - Renovation au laboratoire d'ichtyopathologie	
Solicitation No. - N° de l'invitation EB144-221205/A	Amendment No. - N° modif. 006
Client Reference No. - N° de référence du client EB144-22-1205	Date 2021-11-26
GETS Reference No. - N° de référence de SEAG PW-SPWA-504-6200	
File No. - N° de dossier HAL-1-86041 (504)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Standard Time AST on - le 2021-12-02 Heure Normale de l'Atlantique HNA	
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: Miller (PWA), Rachel	Buyer Id - Id de l'acheteur pwa504
Telephone No. - N° de téléphone (782) 640-2710 ()	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	
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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

Solicitation Amendment 006 is raised for the following:

Closing Date:

Delete in it's Entirety: November 30th, 2021.

Insert: 02 December, 2021.

Answer Bidder's Questions:

QUESTIONS AND CLARIFICATIONS

Note – we received questions around the insurance clauses and requirements of the solicitation. No changes will be made to the insurance clauses or requirements, these are standard clauses and requirements used by the Government of Canada.

Note - Further clarification was requested on the ballasted solar panel system specific to the mounting system. Mounting system shall be non-penetrating pre-manufactured concrete ballast designed for racking system. The ballasted solar panel system shall not exceed a dead load of 0.35kPa. Provide pre- attached and un-attached roof protection mats to separate racking system from roofing membranes. Mats shall be suitable for installation on two-ply modified-bitumen cap sheet. Provide submittals including ballast calculations, system weight, and roof uplift loading (wind uplift) stamped by a Professional Engineer licensed in Nova Scotia for review.

Q1:

In previous Canada Contracts, GC1.6 (2008-05-12) Indemnification by the Contractor, it has been customary for Canada to include in its supplementary conditions language which limits the liability to the Contractor under the Contract. Will you include the clause in this contract?

- A. No, PSPC will not alter the terms to add the Limitation of Liability Clause. Contracts for specialty buildings such as labs do not include the limitation of liability clause.

Q2:

With regards to GC5.10, unknown costs pose a potential risk to Contractors on the project. In order to provide best value pricing for Canada, please provide an accurate estimate of the costs that could potentially be assessed for not meeting the day fixed for completion of the Work.

- A. Please refer to [Section 5.R.R2850D - GC5 - Terms of Payment - Buyandsell.gc.ca](#) for more information. During the course of construction, the Departmental Representative will maintain an accurate record of potential and actual, reasonable and readily identifiable costs and provide these costs to the Contractor as they become known.

Q3:

ME1.1, ME 1.2, ME1.3 - Where "Disc at Motor" says "Y" or "Yes", does this mean they are supplied with equipment? If not, are they to be supplied by Div 25 or Div 26?

Examples: COMP-1, AB-1

A: Div 26 to supply disconnect.

Q4:

E03.1 Detail 2/E03.1- If the PFCC to be new? A lot of equipment in detail has EX, which I take to mean existing, PFCC does not. It is shown on the SLD as a light line, so looks like it is existing. Spec Section 26 35 33 13 does not appear to list the Total KVAR required.

A: PFCC is new, to match existing size, ratings etc. Existing system is 100KVAR. See attached photo of existing PFCC nameplate.

Q5:

E06.2 Should all items on SLD drawn with dark lines be considered New?

A: All panels drawn in dark are new, EL1 and 6EDP are examples of new panels that replaced existing panels.

Q6:

Re E06.2 I would like to confirm details on what is existing for "Generator Power Synchronization / Distribution Switchboard In Generator Room" I think I have found it "TruView-Cloud" link in scan 35, but need to be sure. Is it possible to get readable pictures of a "Section Nameplate" and of the Labels on one of the breakers in the distribution section? I have circled them on attached TruView Image. If it is other equipment, there should be similar style of labelling I would like to have. Please see attachment!

A: Please see attached 2 photos that contain the information requested above.

Q7:

M01.3 has an SH-1, there is also SH-1 listed on the plumbing fixture schedule M01.7 however there is nothing under division 22 in the specifications for the trim or the unit itself. Is the unit and or trim a part of the mechanical scope.

A: Refer to addendum for revisions.

Q8:

Addendum #4 stated that the canopy exhaust stack is to be fabricated stainless steel. Is only the portion going through the roof and above required to be stainless? Or does the entire run including the motorized dampers, fans and canopy hoods required to be stainless steel.

A: Only part above roof has to be stainless steel, rest of ductwork inside building can be galvanized. The transition from SS to galvanized should have separation.

Q9:

Addendum #4 stated that all lab exhaust is to be stainless steel, the detail of the canopy hoods are noted to be galvanized. Please confirm that galvanized is acceptable for the canopy hoods.

A: Revised to stainless steel in addendum.

Q10:

Regarding question/answer .3 from Amendment No. 4 (trench drain details). Please confirm detail 109/S02.1 also applies to the freezer/cooler depression b/w gridlines 4&5 and U&V.

A: Yes, see plan view section cut locations.

Q11:

Regarding question/answer .25 from Amendment No. 4 (roof warranty). Please advise which manufacturer the roofing warranty is with.

A. Soprema. Refer to specifications.

Q12:

Regarding question/ answer .34 from Amendment No. 4 (fireproofing removal). Please confirm all fire proofing is to be removed, as note 15 on A01.2, and note 1 on A01.5 state remove fireproofing 'where / as required' to accommodate the work. We interpret this to only remove as needed.

A: All fire proofing at area indicated is to be removed. See revised notes in addendum.

Q13:

Regarding question/answers .39 from Amendment No. 4 (acoustic wall panels). Please confirm size / location of the acoustic wall panels in room FL-050.

A. Refer to spec revisions and clarifications in addendum.

Q14:

Regarding question/answer .56 from Amendment No. 4 (reinforcing of slab on deck overpour). The question refers to concrete topping. Please advise if reinforcing is required.

A: Yes, provide 152x152 152/152 WWF mesh reinforcing.

Q15:

Regarding question/answers .60 from Amendment No. 4 (aluminum pipe for PV Solar support). Section 26 26 00 2.2.3 states "Mounting system shall be designed for use with the structural rail system as indicated on structural drawings." As per this note, the structural rail system is to be supplied & installed by structural division and not the PV Solar supplier. Please advise specification for the aluminum pipe required.

A: This is correct, coordinate with structural for requirements on racking. Aluminum pipe is no longer required. The solar panel system has been changed to a ballasted system. See addendum.

Q16:

On mechanical plan #M03.2, GL #15 & #U there are two (2) glycol lines three (3") inch in size shown to be going up to the roof. Looking at the only roof plan on page #M01.5 at the same grid line reference and there are no 3" lines shown. Can you please explain where these two 3" lines which are shown to go up to the roof disappear to?

A: These lines go to the heat recovery coil in the EF1a, 1b, 1c exhaust plenum.

Q17:

On the plan ME1.4 miscellaneous equipment connection schedule, can you please confirm that "others" will be supplying the following items. And that mechanical trades will only be completing a connection of one kind or another: EQ-01; EQ-14; EQ-19; EQ-20; EQ-21; EQ-22; EQ-28; EQ-31; EQ-42; EQ-43; EQ-56.

A: Refer to A14.2 for clarification on supply/install responsibility.

Q18:

On plan page #M03.5, detail #9 – there is a detail on the in-slab piping and shows a layer of 2" thick insulation on the ground and below the concrete level. This layer of insulation is what we are to secure the in-slab tubing to. Can you tell me what the R-Value rating of the insulation that is needed here please?

A: R10 (RSI 1.8)

Q19:

Specifications are asking for a new Networked Fire Panel (There is currently an Edwards EST3 networked system at this site and wouldn't need be updated).

A. New panel is required as part of the contract, existing Fire Panel shall be turned over to owner.

Q20:

Specifications are asking for a 2 stage system, current software is showing this site as single stage, is 2 stage needed here or can we keep this as single stage.

A. 2 stage requirement was removed via addendum 3, system shall be single stage.

Q21:

Will drawing M04.1 and M04.2 (lab services piping) require any insulation and cladding?

A: No

Q22:

Please clarify the requirements for the following items:

- a. EQ-04 Dive Gear Drip Cages
- b. EQ-05 Scuba Tank Storage Cages
- c. EQ-06 Dive Gear Lockers

There is a conflict between the quantities shown on the Equipment Schedule A14.2, and the Spec Sec: 10 51 43

A: Quantities of units are not given in specifications, only dimensions. Refer to drawings for quantities and addendum for dimension revisions.

Q23:

Please clarify the electrical Hertz (Hz) requirements for the operating equipment of the Overhead Crane.

A: All equipment in the building is to operate at 60Hz

Q24:

Spec. Section:11 53 13 In the reissued Fume Hood specifications found in addendum: The base cabinets are stainless steel, the fume hood interior is stainless steel, the fume hood work surface is epoxy resin and not stainless steel. Should the fume hood worksurface be 316 stainless steel as well?

A: Specifications are correct.

Q25:

Spec. Section:11 53 13 In the reissued Fume Hood specifications found in addendum: The base cabinets are stainless steel, the fume hood interior is stainless steel, the lab furniture surrounding the fume hood is stainless steel. The fume hood exterior material was noted as steel. Is that a painted cold rolled furniture grade mild steel? What material should the fume hood exterior be made from? Painted mild steel? 316 stainless steel.

A: 316 Stainless Steel.

Q26:

Spec. Section:11 53 13 Drawing A14.2 Equipment Schedule No service fittings were specifically identified one each fume hood within the specifications nor the equipment schedule. Other than a light, light switch, and a couple of exterior duplex receptacles, no other mechanical or electrical services are to be provided. Please confirm.

A: This is correct.

Q27:

Spec. Section:11 53 13 Drawing A14.2 Equipment Schedule The specifications list acid storage cabinets and solvent storage cabinets, both of which store chemicals. The equipment schedule only identifies chemical storage cabinets. Which cabinet type is required under the fume hoods?

A: Specifications are correct. All hoods require both cabinets.

Q28:

Spec. Section:12 35 53.13 Drawing #: A14.2

Are all the worktables that relate to section 12 35 53.13 to be constructed of a 316 stainless steel frame with a 316 stainless steel top? EQ 24 clearly states they are, but the other ones do not. If not stainless steel, what are the other table frames and tabletops constructed from?

A: Refer to revisions/clarifications in addendum.

Q29:

Re. Direct-Applied Acoustical Ceilings 09 51 13- 2.1.1.4

Panel size is indicated as 2440 x 4880 mm (48 x 96 inches). Should this read 1220 x 2440 mm?

On Interior Elevation drawings A03.6 & A03.7 indicating ACOUSTIC WALL PANELS it is difficult to determine the size and quantity of panels required. Are dimensions at top left of 1/A03.6 to indicate two rows of panels 610 x 2440 mm? Are dimension 265 and 319 mm to indicate placement from u/s deck and distance from t/o window frames respectively? Vertical lines which follow the lines of new panel butt joints could indicate additional panels of those widths.

Similarly, on Reflected Ceiling Plans, it is difficult to determine sizes and locations of panels due to the array of services being depicted on the same drawings. Would it be possible to provide drawings showing only the Acoustical Wall and Ceiling Panels for clarity?

A: Refer to addendum for revisions and clarifications in ACU First Floor.JPG (attached). Blue highlights location of direct applied acoustical ceiling units.

Q30:

Re. Detail 3/A07.3 – Can you please clarify the extent of this canopy detail and where it occurs?

A: Refer to Roof Plan (A02.4) and Exterior Elevations (A04.1).

Q31:

Is the intention of 10 22 53 glazed interior partitions to be a demountable glazed partition or aluminum storefront?

A: The glazed interior partitions are acoustically-rated double glazed partition systems.

Q32:

10 22 53 2.1.2 states a 144 system depth in a P5 wall which is 156mm thick. A09.2 detail 2 shows the aluminum frame extending past the partition.

A: Revised/clarified in addendum.

Q33:

10 22 53 2.3.1 refers to 08 80 00 2.1.4 stating a double glazed 25mm thickness unit while A09.2 detail 2 shows two single panels with a 92mm air space.

A: Revised/clarified in addendum.

Q34:

Within the tender specifications there is a section for capacitor banks however I am unable to locate a capacitor bank on the plans. Please confirm if this is a requirement and if so, where should it be located?

A: Capacitor bank is replacing an existing capacitor one for one, it is located in the electrical room (FL-009) and labeled PFCC and is a 100kVAR system.

Q35:

Clarification on lighting type C2. You ask for RGBW and Tunable white technology but the specs indicate you are only using the tunable white (to mimic daylight). Is the RGBW required?

A: RGBW is not required if the fixture has the daylight mimicking capabilities through tunable white.

CHANGES TO SPECIFICATIONS AND DRAWINGS:

See attachments for specs and drawing.

All other terms and conditions remain the same.