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**K1A 0S5**

**Bid Fax: (819) 997-9776**

**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**

Centre Block Rehabilitation Project/Projet de  
réhabilitation de l'édifice du Centre  
185 Sparks Street  
185, rue Sparks  
3rd Floor - 313/3ème étage - 313  
Ottawa  
Ontario  
K1A 0S5

<b>Title - Sujet</b> Emergency Power Modernization	
<b>Solicitation No. - N° de l'invitation</b> EP754-161586/A	<b>Amendment No. - N° modif.</b> 006
<b>Client Reference No. - N° de référence du client</b> 20161586	<b>Date</b> 2015-11-27
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$\$FP-004-68288	
<b>File No. - N° de dossier</b> fp004.EP754-161586	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2015-12-03</b>	
<b>Time Zone</b> Fuseau horaire Eastern Standard Time EST	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Burns, Heather	<b>Buyer Id - Id de l'acheteur</b> fp004
<b>Telephone No. - N° de téléphone</b> (819) 775-5575 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

## QUESTIONS AND ANSWERS (22-41)

### Question #22:

Per 26 32 16 2.9.3: Generator suppliers responsible for covering costs of venting material should the maximum allowable back pressure result in venting larger than that indicated on drawings.

*Question: What is meant by "venting material"*

### Answer #22:

Venting material referred to is specified in Section 23 35 17 and indicated on the plans downstream of the silencer. Addendum will be issued to clarify this clause.

### Question #23:

Vertical reinforcement shown on drawing S301: In the enlargement of the chimney section. It says 15@30 VEF. Should this be 300?

### Answer #23:

Yes. Addendum will be issued.

### Question #24

#### Section 26 32 13.04:

2.8 Fuel System- Please confirm that only the fuel equipment unit mounted within the frame of the genset is supplied by the genset manufacturer and all equipment up to the genset frame is by Division 23.

### Answer #24

Fuel system components to be supplied by the generator manufacturer are explicitly noted in referenced section. Division 23 is responsible for external fuel oil system up to the frame.

### Question #25

#### Section 26 32 13.04:

1.5.1.1- are the spares listed a total list of spares or are these quantities required for each genset?

### Answer #25

These are the total quantities to be left after warranty period for both generators.

#### Question #26

Section 26 32 13.04:

2.3.1.6- Please confirm that the genset supplier is to provide the engine exhaust silencer and flex connection only, any other exhaust components to be by Div.23

#### Answer #26

Yes. As it is written in this clause. Also refer to Item 2.9 in same section.

#### Question #27

Section 26 32 13.04:

2.4.3 – Are Seismically Rated Spring Isolators required? If so are 50mm. Deflection Springs acceptable in order to keep overall height at a minimum?

#### Answer #27

Yes to both questions. Addendum will be issued.

#### Question #28

Section 26 32 13.04:

2. 2.6.4 – Please confirm that Div. 23 is fully responsible for supply and installation of all components required to complete the generator room ventilation. (ie. - intake, exhaust, recirculation, control)

#### Answer #28

Dampers and booster fans are supplied by Div. 23 and controlled by Div. 25. Bid as per plans and spec.

#### Question #29

Section 26 32 13.04:

Drawing E302- describes load shedding, If load shedding is required please advise which breakers are being shed?

#### Answer #29

Load shedding capability and load shedding output controls are to be included in the generator controls as specified. The breakers that would be affected by the load shedding outputs are outside of this contract.

### Question #30

Section 26 32 13.04:

Drawing M401 indicates 450mm exhaust pipe which could potentially cause a back pressure issue, can this be revised to a recommended 500mm pipe size (please confirm)

### Answer #30

Yes, an addendum will be issued.

### Question #31

Section 26 32 13.04:

Can you please confirm the dimensions of the opening that the generators will be put in to the building through?

### Answer #31

The approximate dimensions of the openings and geometry of the openings is clearly indicated on multiple drawings as 5.3M x 2.9M. Refer to the site plans, floor plans and sections for the relative location and geometry of the openings and spaces.

### Question #32

Reference Drawing E003

Typically we use 4/0 Camlock Portable Power cabling would this be acceptable instead of the spec'd Teck cable?

### Answer #32

No. Bid as per plans and specifications.

### Question #33

Reference Drawing E003

Are local Security Panel / Fire Alarm panel required to be mounted in temporary generator or just contacts centrally housed and ready to be intercepted and extended to building panels?

### Answer #33

There are three inter-related components for each of the security and fire alarm monitoring systems for the temporary generator enclosure. The panels in the temporary generator, the panels in the building,

and the wiring between the two. This question only refers to one of those components. This question cannot be answered without affecting the other 2 components therefor the bidders should bid as per the documents.

#### Question #34

Section 01 14 00 – Page 1 – 1.5.2: Please clarify if we need to provide commissioning services for the generator sets in regular time on non-regular time. This specs line describe noise generating works should be done in non-regular time. Do we need to consider generators commissioning as noise generating works?

#### Answer #34

Generator on site commissioning would be considered noise generating work and would be subject to the restrictions on noise generating work listed in specification Section 01 14 00.

#### Question #35

Sect 26 32 13.04 – Page 17 – 2.20.6 : Specs describe 4H at 90% load, 1H 100% load and finally 3H at 90% load. Please clarify if load tests shall be 4H in parallel only or 8H.

#### Answer #35

All tests are to be conducted with both units operating in parallel.

#### Question #36

Section 01 91 20 – Page 4 – 3.3.1.5.5: Specs mention to use new permanently installed load banks plus portable load banks to achieve full load site tests. On the distribution single line, we see the load bank connection box is only capable of 1.6MW.  $1.6\text{MW} + 2 \times 400\text{KW} = 2.4\text{MW}$ . Will there be other connection box installed beside the existing load bank connection box in order to connect missing 2.6MW load bank for full load tests or we will have to connect 2.6MW directly on the generators breaker output in the switchgear?

#### Answer #36

The (to be converted at end of project) loadbank connection cabinet cannot be used for commissioning of the new generators. This cabinet is to be used for the temporary generator connection which must remain in place until after the new generators are commissioned and on line. The portable load bank connections needed for commissioning are to be connected to the generators or new emergency switchboard in a temporary manner.

### Question #37

Section 01 91 20 – Page 4 – 3.3.1.5.5: Same question for site tests than item #2 above. Do we need to run on load 4H total or 8H?

### Answer #37

The load tests required are clearly detailed in this clause which calls for both generators to be operating in parallel for a total of 8 hours.

### Question #38

Re: drawing M002 note just above the generators

“Generator Fuel Feed Connector to be enclosed as per CSA b139 2006 or NFCC 2010”.

We have been advised that pipe serving generators should be either fire wrapped (not spec'd) or enclosed in fire rated drywall (not shown). Please clarify intent.

### Answer #38

The note being referred to on M002 is pointing to the “enclosed” room housing the fuel tanks. There is no requirement to fire wrap or drywall enclose the fuel piping. Bid as per plans and specifications.

### Question #39

Masonry

- a) On drawing no. A200 – note 22 indicates a 190mm concrete block wall with cores filled from slab to underside of structure. Please clarify if all cores are to be filled solid or only at vertical reinforcing?
- b) On drawing no. A400 – note 5 contradicts the note from drawing no. S220 for the same wall. Please clarify.
- c) Also on drawing no. A400, Section 1, on level sub-grade 1, along axe C seems to be an unidentified concrete block wall. Please advise.

### Answer #39

- a) Yes. All cores are to be filled solid. Addendum will be issued to clarify.
- b) Addendum will be issued to clarify structural note.
- c) Addendum will be issued to clarify.

Solicitation No. - N° de l'invitation  
EP754-161586

Amd. No. - N° de la modif.  
006

Buyer ID - Id de l'acheteur  
FP004

Client Ref. No. - N° de réf. du client  
R-078602.001

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

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#### Question #40

##### Intumescent Paint

There does not appear to be a specification section for the intumescent paint scope of work.

##### Answer #40

Refer to Section 09 91 23 Item 2.7.

#### Question #41

##### Roof Membrane

There does not appear to be a specification for the roof membrane identified on the drawings.

##### Answer #41

An addendum will be issued to change reference notes on Drawing A200 from "roof membrane" to "waterproofing membrane", which is specified.