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**Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
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Canada**

**Cabot Place, Phase II, 2nd Floor**

**Box 4600**

**St. John's, NF**

**A1C 5T2**

**Bid Fax: (709) 772-4603**

**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**

Please see the attached for further information.

All other terms and conditions to remain the same.

**Vendor/Firm Name and Address**

**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

**PWGSC / TPSGC - Nfld. Region**

**Cabot Place, Phase II, 2nd Floor**

**Box 4600**

**St. John's, NF**

**A1C 5T2**

<b>Title - Sujet</b> Batteries for Aid to Navigation Sit	
<b>Solicitation No. - N° de l'invitation</b> F6879-155017/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> F6879-155017	<b>Date</b> 2015-11-06
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$OLZ-014-6474	
<b>File No. - N° de dossier</b> OLZ-5-38148 (014)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-11-12</b>	<b>Time Zone</b> Fuseau horaire Newfoundland Standard Time NST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> howell (olz), amanda	<b>Buyer Id - Id de l'acheteur</b> olz014
<b>Telephone No. - N° de téléphone</b> (709) 772-4997 ( )	<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 (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>

In attachment 4, question 6 you mention that the load can vary from 1,000 – 8,000 Watts, that being said:

Question 1: What is the load in Watts for each piece of equipment?

Answer 1: There are more than 20 sites and each site has a slightly different configuration. Each of the different components is not the same at each site. Some sites only have a light, some have a light and a horn, other sites have a light, horn and a fog detector. Each of these components can be a different type.

Question 2: What is the system voltage of the light, fog horn and fog detector equipment?

Answer 2: As per the above answer, There are more than 20 sites and each site has a slightly different configuration. Each of the different components is not the same at each site. Some sites only have a light, some have a light and a horn, other sites have a light, horn and a fog detector. Each of these components can be a different type.

Question 3: What are the duty cycles of each piece of equipment?

- a. I.e. how many hours per day are the lights running?
- b. I.e. how often does the fog horn go off and what is the power draw of it being active vs sitting idle?

Answer 3:

- a. The lights can run up to 14 hours a day depending on the time of year.
- b. The operation of the fog horn depends on the weather. It could possibly be idle for days/weeks at a time or it could be running 24/7 for days/weeks at a time.

Question 4: Do you have any pictures of existing sites/installations that you can share?

Answer 4: This information has been previously provided.

Question 5: How many different sites are there?

Answer 5: 20 + sites.

Question 6: How many of the current 75-80W panels are being used at each site?

Answer 6: It depends on the equipment being used on the site. The range is 1 battery for the smallest of the sites to 72 for the larger sites.

Question 7: How many of the current 1096Ah batteries are being used at each site?

Answer 7: It depends on the equipment being used on the site. The range is 1 battery for the smallest of the sites to 112 for the larger sites.

Question 8: How is the site accessed – by road, helicopter, etc?

Answer 8: Helicopter

Question 9: What are the specs on the “Soltek Charge Control Center”? I am assuming they can handle up to 1,000V unregulated solar input at each site based on the answer to question 5 in attachment 4

Answer 9: Model # is PV-3-200-48

Question 10: **Reference:** Annex B, 2.3 580 single cell batteries incased in steel closure not to exceed 85kg/cell complete with lifting handles. All batteries shall be of the same manufacture and model. **Question:** Do you want 580 cells (each measuring 260mm x 200mm x 700mm (H x W x L) ) to be encased in one steel enclosure ? Or do you want each cell (measuring 260mm x 200mm x 700mm (H x W x L)) to be encased in one steel enclosure? If so, do you only want 580 individually steel encased cells? Or do you want them to be mounted in some rack arrangement ( mounting cabinets and frames to be supplied as well? ) if so, could you please specify the details of the rack you want and how many cells to put in each rack ?Or will you be just stacking and bolting them together just like the arrangement you are already using (according to the photo provided in Amendment #2)?

Answer 10: DFO requires 580 individually steel encased cells. The batteries will be stacked and mounted together as per the photo provided in amendment #2.

Question 11: **Reference:** Annex B, 2.1, Wiring Terminals. There is a “section 1.4” referenced. **Question:** the mentioned “section 1.4” could not be found in the tender document. Could you please clarify what is “section 1.4” and send us the details?

Answer 11: This specification should reference section 2.6 and not 1.4.

Question 12: **Reference:** Annex B, 2.1, Maximum Size per Battery 260mm x 200mm x 700mm (H x W x L). **Question:** Could you please let us know if you will also evaluate options with larger dimensions ? and if not, what are your restrictions that imply the mentioned maximum dimension? We are asking this because many of the standard cells in the market have dimensions of: 475(L)×174(W)×365(H) and have larger heights, and as you advised in the amendments #1 and 2, you will be replacing all the batteries already you have and since they are not in any rack system and are only bolted together, we want to know what is limiting the size of the cells as you have written in Annex B.

Answer 12: These batteries may be used only as replacements at sites. All batteries may not be replaces at every site. They should be no larger than what is requested.

Question 13: **Reference:** Amendment 2, the provided picture. **Question:** The tender asks for quantity 580 cells and the provided picture in Amendment 2 depicts an arrangement of 6x8 batteries thus 48 cells. Could you please specify how do you want to connect and use the 580 cells ? We are asking this to understand the requirement better since 580 cells creates not a perfect number of 6x8 arrangements ( $580 / 48 = 12.08$  )

Answer 13: The batteries will be used at more than one site. The photo provided was of a typical installation. Some of the batteries will also be kept as spares.

Question 14: **Question:** The industry likes to know if there is any specific reason that you only accept AGM cells and not Gel or Lithium cells. ?

Answer 14: This type of battery is spill proof and does not have shipping hazardous material shipping restrictions. The batteries must be transported to site via helicopter.