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Place du Portage, Phase III

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Gatineau, Québec 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**

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11 Laurier St. / 11, rue Laurier
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Title - Sujet Griffon Windlass Drive	
Solicitation No. - N° de l'invitation F2599-175088/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client F2599-175088	Date 2017-08-15
GETS Reference No. - N° de référence de SEAG PW-\$\$MD-037-26377	
File No. - N° de dossier 037md.F2599-175088	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-08-28	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Belcaid, Sidi	Buyer Id - Id de l'acheteur 037md
Telephone No. - N° de téléphone (819) 420-2292 ()	FAX No. - N° de FAX () -
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

Solicitation Amendment #2 is issued to publish the following changes to the Invitation To Tender (ITT), Photos of the Windlass Power Breaker and the Questions and Answers.

This Amendment is hereby raised to make the following revisions to the ITT.

- 1) **There is no modification for the Paragraph 3.8.6 for the English version of Annex A. Refer to the French Amendment for the modification of this Paragraph of Annex A in French.**

- 2) **Delete entirely Paragraph 3.8.8 of Annex A and replace it by the following one:**

3.8.8 The Contractor must provide R.O. approved electrical calculations and provide a new Variable Frequency Drive compatible with the selected AC motor for the application. The VFD must be fitted within a protective cabinet and must include DC choke and full spectrum harmonic filters in compliance with IEEE Standard 519-2014 Recommended Practice and Requirements for Harmonic Control in Electric Power Systems and IEEE 1531-2003 Guide for Application and Specification of Harmonic Filters. **The Contractor must provide detailed calculations demonstrating that the harmonic filters provided are within the limits set under the above mentioned IEEE standards for this application.** The VFD Cabinet's must be located in the same general location as the existing Clarke Chapman 440V power panel such that the existing wiring can be successfully terminated inside the cabinet.

- 3) **Add new Item #10 to Paragraph 4.5.3.4 of Annex A:**

10. Detailed calculations of compliance with limits set in IEEE 529-2014 and IEEE 1531-2003 standards for the supplied harmonic filters.

- 4) **Publish new Questions & Answers from #03 to 08.**

- 5) **Publish photos of the CCGS Griffon Windlass Power Breaker.**

All other articles of this ITT remain unchanged.

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Amd. No. - N° de la modif.
02
File No. - N° du dossier
037md. F2599-175088

Buyer ID - Id de l'acheteur
037md
CCC No./N° CCC - FMS No./N° VME

Questions & Answers
Griffon Windlass Drive (F2599-175088/A)

Questions		Answers	
Q1	We have a lot of trouble getting the component prices because of the summer vacations. Can you postpone the submission to September 6, 2017?	A1	We will extend the closing date to August 28, 2017. No request for extension of the Closing Date will be accepted from now on.
Q2	Can you provide a recent report that demonstrates the capacity of the windlass.	A2	Not Available
Q3	With which 'classification society' the ship is classified? For approval of works or structures or other items.	A3	The ship was built to Lloyd's Register rules. The ship is not under Class certification, it is maintained under Transport Canada Marine Safety Inspection.
Q4	If no "Class" governs the vessel, approvals may not be submitted to the "classification society" for approval as they do not cover the vessel. Is the approval of Transport Canada and your approval office applicable then?	A4	Refer to sections 3.7.1 and 3.10 No. The system design must comply with a Transport Canada Marine Safety Recognized Organization (Classification Society) standards and must be approved by that specific Classification Society prior to being submitted to TCMS for approval. The installed equipment will be tested in the presence of the Transport Canada Inspector and must pass the TC inspector's approval.
Q5	3.8.4 for the engine and brake unit: manufacturers are only marine type IP 56 and not IP 66. Is this acceptable?	A5	Yes, with regards to paragraph 3.8.4, Canada will accept a motor and dynamic brake group with a IP 56 rating.
Q6	3.8.6 (... The dynamic brake resistor must be fitted with sufficient forced ventilation to maintain the resistor's temperature ...): According to the manufacturer of the resistors, fan is not needed for braking resistors and resistors shall be mounted in a separate housing of nema 3R Type . Is this acceptable ?	A6	Concerning paragraph 3.8.6, please refer to the amendment described above. Refer also to paragraph 3.7.4
Q7	3.8.8 (...The VFD must be fitted within a protective cabinet and must include DC choke and full spectrum harmonic filters in compliance with IEEE Standard 519-2014...) What percentage of harmonic is required?	A7	Refer to IEEE 519-2014 Sections 5.1 for systems of less than 1 KV and 5.2 for systems where I _{sc} /I _L is less than 20 ; IEEE 1531-2003 and paragraph 3.5.1 in the statement of work.
Q8	What are the details of the existing power circuit breaker for the windlass? Manufacturer, type, PN and with curves (if available) and "trip" module values? I think it's the circuit breaker NP-4, circuit 10.	A8	Breaker Square D, Power Pact JG 250, JGA36225, see attached pictures below.

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Windlass Power Breaker Installation

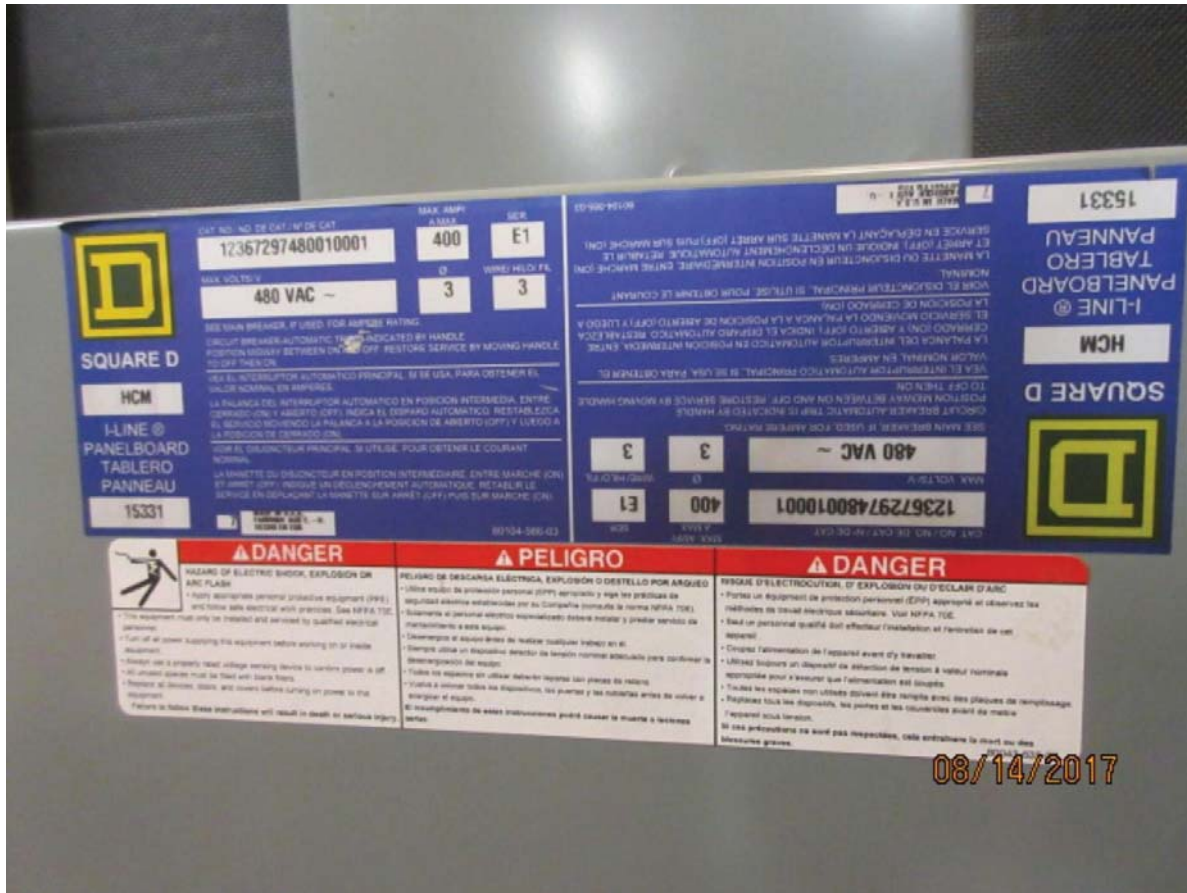


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Windlass Power Breaker Panel



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Windlass Power Breaker

