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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 CCGS Griffon -VLE	
Solicitation No. - N° de l'invitation F7049-200157/A	Amendment No. - N° modif. 014
Client Reference No. - N° de référence du client F7049-200157	Date 2023-07-17
GETS Reference No. - N° de référence de SEAG PW-\$\$MD-029-29039	
File No. - N° de dossier 029md.F7049-200157	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2023-08-30 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B.	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Jeddi, Loubna	Buyer Id - Id de l'acheteur 029md
Telephone No. - N° de téléphone (873) 455-3835 ()	FAX No. - N° de FAX (819) -
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 # 14

This amendment is hereby raised :

1. To include Questions and the Responses for the solicitation.

1. Questions and the Responses for the solicitation.

Q#1: Item 14.11 - General

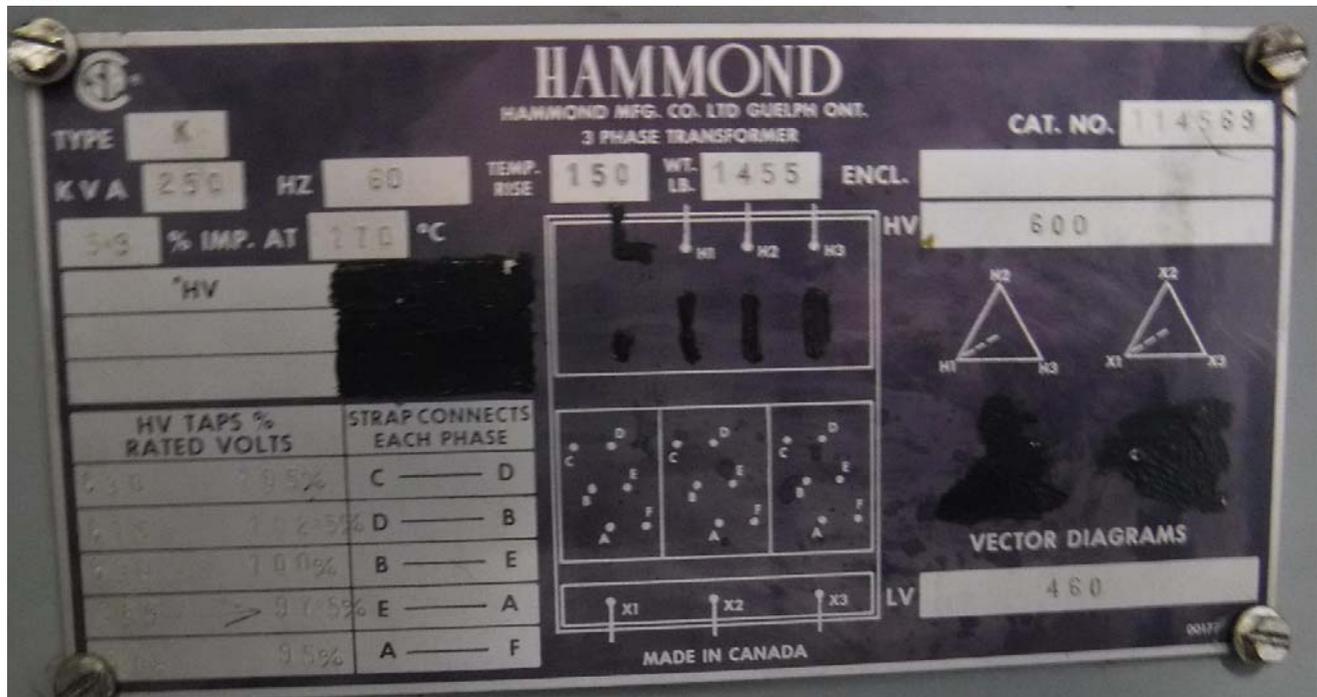
Is it possible to have the vessel's current Electrical Load Analysis?

A#1: It is the Contractor's responsibility as per G.2.4.1 to conduct an electrical load analysis and update the load analysis bi-monthly. The load analysis must be configured to represent the Single Line Diagram for ease of equipment identification and direct derivation of data for bus bar, transformer, rectifier and cable sizing. All changes on the Single Line Diagram must be immediately reflected in the load analysis and vice versa. The most recent load analysis that CCG has for the Griffon is dated 2003. A copy of this report has now been saved in section 14 – Power Distribution System of the Technical Data Package google drive for reference only.
File Saved as " Griffon 2003 Electrical Load Analysis "

Q#2: Item 14.13 - Shore Power System

Is it possible to have the nameplate information of the current shore power transformer?

A#2:



14.13.B References

B.1 Equipment Data

B.1.1 The existing shore power transformer arrangement is shown in Figure 1.

NOTE: The vessel can be connected to either 480 V or 600 V shore supply by closing either one (1) of the two (2) selector breakers in the shore supply cabinet adjacent to the Emergency Generator Room. Almost exclusively, the vessel utilizes a 600 V feed due to availability and to ensure isolation that the present 480 V arrangement is without. CCG wishes to maintain the option of utilizing a 480 V feed in case of future requirements.

Hammond Type K transformer, Cat No 114569:

High Voltage/Low Voltage:	600 V/ 480 V
Rating:	250 kVA, 60 Hz
Weight:	1455 lbs.
Impedance:	5.3% @ 170°C
Temp Rise:	150°C

High Voltage Taps	Rated
630 V	105%
615 V	102.5%
600 V	100%
585 V	97.5%
570 V	95%

Q#3 : Item 19.3

Section C.3.2 Calls out using the existing ladder logic and match it to the existing FTView application. This conflicts with C.3.7 requiring the use of PlantPAX and following ISA standards.

The RFP says that the existing programming for the PLC and HMI application should be the same as what is currently there. This conflicts with the request that the programming for the PLC and HMI to use the Rockwell PlantPax program library and that the HMI meet ISA-101 standards. Basically, the RFP says we should use the original program BUT completely rewrite the program?

A#3:

Delete C.3.2 in it's entirety

And Replace C.3.2 with the following:

The Contractor must recover the ladder logic program from the PLC5. The Contractor must recover the existing FactoryTalk View SE programming. The Contractor must recover the programming from the EGEN Cabinet SLC5/05. The Contractor must utilize the recovered programs to build the new PLC and HMI programs. The alarm and monitoring functions and screen layouts must remain as close as possible to existing.

Add new Para. C.3.17

The Contractor must design and integrate new alarm and monitoring functionality and screen layouts required for the new and modified equipment detailed above. The Contractor is responsible for integrating the new and modified equipment with the alarm and monitoring system.

NOTE 1: The new monitoring system will use the Rockwell Automation 5380 CompactLogix platform for control and I/O. This platform uses the Ethernet/IP protocol to communicate with remote racks located around the ship. Protocol converters will be used to connect to any equipment that uses a standard other than Ethernet/IP. All alarm logic and setpoints will be evaluated inside the PLC as opposed to it being done in the HMI as before. Programming will utilize the PlantPAX library to make HMI control and monitoring easier to maintain.

NOTE 2: The new HMI application will be simplified so that no process logic is evaluated by it. The Rockwell Automation PlantPAX programming library will be used to simplify visualization and controlling alarm points. Application design and sensor descriptions will conform with ISA standards.

Q#4 : Item 10.17 – The 2 Parts of the noise survey will be carried out after the VLE work.

Part 1 will be carried out during the sea trials following the VLE work, just before the vessel is handed over to Canada. These noise survey will be carried out in the vicinity of the elected shipyard. However, for part 2, we understand that it will be carried out possibly several months after the end of the VLE, in order to have ice conditions to carry it out. Where will part 2 of the noise survey be carried out under ice conditions?

A#5: The CCGS Griffon regularly operates in the Great Lakes area (vicinity of Sarnia, Amherstburg or Windsor). Best to plan for late Jan-Feb for Ice Conditions for PART of the noise survey.

Q#5 : Item 10.17 – The 2 Parts of the noise survey will be carried out after the VLE work.

How will the shipyard and its noise survey team be reimbursed for travel and accommodation expenses to carry out this part 2, so that all bidders are on an equal footing?

A#5: The Contractor must include an allowance of \$5,000 in its bid to cover the cost of the FSR's living expenses (accommodations, meals, transportation, etc.). Upon completion of work, the Contractor must submit the FSR's final invoice, along with copies of all supporting documentation attesting to the actual cost(s). The \$5,000 allowance will be adjusted up or down using a PWGSC 1379 Work Arising or New Work form, as required.

End of Solicitation Amendment #014.