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Bid Receiving - PWGSC / Réception des soumissions -
TPSGC

11 Laurier St. / 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

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

Issuing Office - Bureau de distribution

Ship Construction, Refit and Related
Services/Construction navale, Radoubs et services
connexes

11 Laurier St. / 11, rue Laurier

6C2, Place du Portage

Gatineau

Québec

K1A 0S5

Title - Sujet NSFRV Build	
Solicitation No. - N° de l'invitation F7013-220306/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client F7013-220306	Date 2022-10-07
GETS Reference No. - N° de référence de SEAG PW-\$\$MC-040-28811	
File No. - N° de dossier 040mc.F7013-220306	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 2022-11-28 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: Deslauriers(MC Div), Stephane	Buyer Id - Id de l'acheteur 040mc
Telephone No. - N° de téléphone (819) 420-2899 ()	FAX No. - N° de FAX (819) 956-0897
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

Amendment 2 is raised to answer Bidders' questions during the solicitation period. New questions and answers from Q4 to Q6.

DELETE: Annex E Bidder's questions and Canada's responses in its entirety

INSERT: The following Annex E Bidder's questions and Canada's responses

ANNEX "E"

BIDDER'S QUESTIONS AND CANADA'S RESPONSES

Q1. In connection with the scope of the project and in order to prepare a bid that will meet Canada's expectations, an extension of the bid submission date is requested. A 45-day extension is requested, which would be adequate in the perspective that the main suppliers respond within acceptable deadlines.

A1. In order to fit all the procurement activities before the winter break Canada agrees to extend the closing date to November 28, 2022.

Q2. The first two lines of the Cost Breakdown table in Annex B refer to the SOW section 7.1.6 while the description refers to the structure. Can this table be detailed, namely what is expected in connection with it?

A2. Section 7.1.6 makes no connection to the structure or associated table. On the other hand, Section 7.1.6 clearly states that before the Production Engineering Phase (1C) can proceed, the Contractor must complete the Design Development Completion Phase (1B) by completing the DED T-005 Technical Reference Base.

Q3. See below.

- a. The specification for the Fixed-Gas indicates it must be suitable for Class D fire. Please confirm the type of metal to be protected.
 1. Note: the lithium contained in Li-Ion batteries is not considered a Class D hazard and therefore does not need to be protected as if this is a Lithium fire.
- b. Are alternative solutions for Total flood systems acceptable, i.e., such as the extension of the water-mist system to other areas.
- c. The specification does not describe any Gas Detection requirements for the two battery compartments. Has this been considered as part of the requirements for battery storage rooms?
- d. What are the volumes of the protected spaces, please provide Gros and Net volumes for these spaces
- e. item 4789 for Fire Detection, the requirement indicates that the FDS must indicate the Fan shutdown status, if this is provided to the SCMS is it still a requirement of the FDS? The FDS by class rules does not have to display 3rd party system status when this is achieved via other integrated systems.
- f. Item 4795 for Fire Detection, the requirement indicates that the FDS must be connected to the VDR, class rules allow for this connection to be via the SCMS when the SCMS is integrated with the FDS. Is this an acceptable alternative arrangement?
- g. Item 4794 for fire detection, the requirement indicates the FDS must interface with the PA/GA, please confirm if this is to activate the PAGA or if this is for the PAGA system to silence the FDS outputs
 1. Further, class requirements allow for a potential free contact to be provided from the FDS to activate the PAGA when the PAGA provides all audible signals for fire alarm indication.

Please confirm if the PAGA system will also be used to generate the fire alarm tone for the vessel. Where the PAGA is responsible for the fire alarm indication, separate audible circuits from the FDS are not required.

- h. Item 4790/4798 for fire detection, the requirement is to provide visual signals for high noise areas, please confirm if it is acceptable where the Signal Alarm Columns are fitted by the SCMS integrator that the alarms from this system satisfy this requirement OR is the requirement to still provide separate individual signals from the FDS.
- i. Item 4803, 4804, 4805, 4806 for fire detection, the requirement is to show the location of these devices. Is the intent of this spec item to simply have indication via text on the HMI or is the intent to have this shown as a graphic overlay of the Vessel showing the exact location of each device?
 - 1. Note, this can be achieved and is acceptable to class to be provided by the SCMS, is this an acceptable alternative where the SCMS has this capability. This is how the arrangement has been done on the OFSV and OOSV class vessels.
- j. Item 4808 for fire detection, the requirement indicates that information must be provided for the fixed fire system releases. Is the intent to indicate that the fire detection system must have control for the release of the fire suppression systems or simply indication?
 - 1. Typically, class only accepts indication and release for fire systems such as local application water mist systems
- k. Please confirm the hazard rating of the Battery Compartments, are explosion proof and/or intrinsically safe devices required in the battery rooms.
- l. 6485 for Fixed gas fire suppress and 523 Water-Mist, is it acceptable to only use one single solution for this compartment? Water mist is acceptable as a method to extinguish Battery fires but this specification suggests multiple system types as a solution. Is the intent of this project to have the fixed gas automatic and the water-mist manual only?
- m. Please confirm the water capacity of the technical or potable freshwater tanks, what capacity is available for 30minute run time of the water-mist system.
- n. Item 523 for Water-Mist, is there a backup sea-water connection available and what is the working pressure of the fire main
- o. Item 523 for Water Mist, what is the available power for the water mist system?

A3. The technical design package defines the necessary characteristics of the systems, equipment and material to the extent necessary for the bidder to understand design and determine the work required to complete the design. Where the requirements for a system are not explicitly defined It is the Bidder's responsibility to perform this type of detailed systems development and integration and to meet the requirements of the technical specifications. The Statement of Work is structured to include the necessary design phases to review the design information provided and subsequently complete the design development.

Q4. A Bidder requested an extension of (3) months to the November 28, 2022, closing date to be able to submit a bid on this project.

A4. Canada cannot extend the closing further due to other procurement activities that are linked to this activity.

Q5. For phase 1A is it the intention of CCG that the Contractor complete a full design check or is this task to ensure that the Contractor understands the point of development that the design is currently at? At which point does the Contractor take responsibility for the design of the NSFRV?

A5. As per SOW Section 7.1.2: " The purpose of Phase 1A is to review and understand the design development to date. No design advancement will occur during Phase 1A." To this end the winning contractor must perform the Design Review in accordance with the Contract and ensure that the equipment the bidder has proposed for integration in the design and the engineering for the production of the vessel will enable the vessel to meet the estimated performance criteria.

Solicitation No. - N° de l'invitation
F7013-220306/A
Client Ref. No. - N° de réf. du client
F7013-220306/A

Amd. No. - N° de la modif.
2
File No. - N° du dossier
040mc.F7013-220306/A

Buyer ID - Id de l'acheteur
040mc
CCC No./N° CCC - FMS No./N° VME

If there is a defect or deficiencies in the technical data package provided by Canada, then during the Design Review Phase, per SOW Section 7.1.3 : "The Contractor must use the change process in accordance with DID M-006 Configuration and Change Management Plan if they determine that specific requirements or design aspects need to be revisited for producibility or fabrication standpoint. The onus is on the Contractor to rationalize the issue. Once understood and accepted by Canada, the Contractor is responsible for developing a solution. Canada will review and may accept the solution.." The subject of design responsibility is further addressed in Section 7.36 i of RFP.

Q6. As the contract design drawing package has been sent to Lloyd's for review (Section 6.1) if the Contractor decides to go with Llyod's as the Class society will the reviewed/approved drawings along with the Lloyd's comments be provided?

A6. The reviewed/approved drawings along with the Lloyd's comments will be provided to winning bidder upon Contract award.