



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**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

**Marine Machinery and Services / Machineries et
services maritimes**

11 Laurier St. / 11, rue Laurier

6C2, Place du Portage

Gatineau

Québec

K1A 0S5

Title - Sujet Multibeam Bathymetric Sonar System	
Solicitation No. - N° de l'invitation F7044-170200/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client F7044-170200	Date 2017-05-10
GETS Reference No. - N° de référence de SEAG PW-\$\$ML-043-26280	
File No. - N° de dossier 043ml.F7044-170200	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-05-23	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Byron, Dan	Buyer Id - Id de l'acheteur 043ml
Telephone No. - N° de téléphone (819) 956-0691 ()	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 # 4 is issued to:

(1) Add Questions and Answers Received to date to the solicitation

ADD:

Number	QUESTIONS	ANSWER
1	What will be the maximum survey speed expected for these vessels?	The maximum survey speed expected for the vessels is 10 knots.
2	Could you please inform how the weightings are being calculated in the evaluation? I am not fully understanding this. For example, Importance No. 5 (Valve Size), has a maximum of points of 25, but the weighting is 5. Would that mean that if you for example have <38 so resulting in 25 points, would that than be divided by 5 and then multiplied by 23.5 (maximum weight) to calculate your points?	The weightings are chosen to indicate the level of influence that the solution may have on data collection or on the impact to the vessel's present configuration. The smaller the valve size the easier to install onboard our ships is an example. If the valve offered is smaller than 38", then a 5 points would be awarded for this response. Multiplying 5 rated points with a weighting of 5 sums to 25 total points for this criteria.
3	The lowest amount of points under importance 5 (valve size) is at 42-44, does this mean that at 44-46 you get no points? Or should it be assumed that the 10 points is misplaced and should be at 44-46?	The 10 points is misplaced, 5 points should have been indicated for the row below associated with the valve size 4 4-46.
4	Under ANNEX A, item 1.1 General Terms, section f. It is stated that the contractor must provide final installation and commissioning services. However as of now it is unknown where the work is going to be performed. Different yards have different travel costs, and work in a different way with different predictive work durations.	The location(s) for installation is unknown at this time. It is agreed that travel costs and expenses will be reimbursed as per Treasury Board of Canada Travel Directives. Contractor must allow for two separate trips to each vessel. The first for installation and commissioning and the second for sea trials.

5	Could you please elaborate how the points are actually calculated and how the weightings work?	see answer provided for question 2
6	Would it be possible for Canada to be more detailed on the location where the work is going to take place, or exclude the travel costs. Additionally we don't know whether this is the only work performed to the vessel, and therefore it could potentially entail multiple trips if sea trials are for a significant amount of time after installation of the equipment.	See answer provided for question 4
7	Would it be possible to provide a fixed amount of installation/commissioning hours a contractor should supply under this bid, excluding travel entirely?	Bidder shall allow for 10 days total for installation and commissioning plus an additional 5 days for sea trials per sounder installation. Allowance for 10 working hours per day. Furthermore, Bidders shall allow for a maximum of 4 days of travel in total
8	Alternative could be that Canada could tell us which yard the work is going to take place, and what work will need to be done to the vessel, so we can get an estimate for the duration of the yard work.	The yard is unknown at this time. The installation for the sounder will overlap that for the vessel life extension for the CCGS Des Groseilliers and that of a standard refit for the CCGS Pierre Radisson. The VLE will extend over a period of 9 months while that for the refit will be approximately 3 months.

(2) Add Bidders Conference minutes to the solicitation

ADD:

CCGS Des Groseilliers and CCGS Pierre Radisson Multibeam Sounders
PSPC File Number: F7044-170200/A
Minute to Bidders Conference
10 AM, Thursday, April 27, 2017

OPENING REMARKS

PART 1

- 1- Documents issued to Bidders,
 - Request for proposal
 - Solicitation Amendment 1
 - Solicitation Amendment 2
- 2- Reminders on the procurement process,
 - Bidders reminded to submit their bids to the Bid Receiving Unit in Gatineau, Quebec. Bid submitted to any other location will be redirected to the bid receiving unit, and will be considered non-compliant.
- 3- Review of the Request for Proposal
 - a. Part 1 to 6 Instructions and Procedures (PSPC)
 - No questions or comments
 - b. Annexes B to G (PSPC)
 - No questions or comments.
 - PSPC: indicated that there would be a new Annex B- Basis of Payment (Financial Bid Presentation Sheet),
 - PSPC: Indicated that there would be a new Annex D – Point Rated Technical Scoring

PART 2

Review of Specifications (CCG)

1.0 General

- CCG: A timely return of design after Contract Award is needed to ensure that specifications can be developed by an Engineering firm to be introduced into a refit package.
- CCG: CCG has not identified an onboard lab location for CHS hydrographers, however it is expected to be within 50 metres of equipment. CCG will start internal discussions to identify the lab location on board the CCGS Des Groseilliers and the CCGS Pierre Radisson.
- CCG: For cable lengths, expect the GPS antenna to be located within 75 metres of the Applanix system.
- CCG: Supplier is responsible for supplying all cabling except for power cables (which will be the responsibility of the shipyard).

2.0 Technical Description

2.1 General System Features

- no questions or comments

2.2 Installation

- CCG: Bidders to include in their bid 10 days of FSR services, and 4 days of FSR time during sea trials.
- PSPC: This information will be formally introduced into the specifications in a Solicitation Amendment.
- All materials must be class approved

2.3 Electronics

- no questions or comments

2.4 Swath width/Beam Spacing

- no questions or comments

2.5 Software/Computer

- no questions or comments

3.0 Product Support

- no questions or comments
- CCG: Suppliers will own the IP of all equipment.
- CCG: Stated that the equipment must be of current design.
- CCG (Chief Engineer): Would like parts for the hydraulic power pack to be available within North America.

4.0 Ancillary Equipment

- no questions or comments

5.0 Deployment/Retrieval System Supply

- CCG: FAT test of the system will be completed at the contractors location prior to shipping. This point will be clarified in the specification, to be included in a specification.
- CCG: Through hull valve is to be electro hydraulic
- CCG (Chief Engineer): Requested that the hydraulic power pack for the valve have parts available from a North American Supplier.
- CCG: The deployment system must be within the identified heeling compartment
- CCG: Cofferdam will be built around the system. This will be yard supplied in the refit package.
- CCG (Chief Engineer): Crew must be able to work around the cofferdam, and the valve will have to be inspected every 5 years.
- CCG: All limit switched must be provided with the supplied equipment.

- CCG (Chief Engineer): Consideration should be given to prevent ice build up around the valve.
- CCG (Technical Authority): Replied – this should be considered in the design.
- CCG: Accessibility of the equipment is important. CCG does not want to have to cut through the hull to get access to the equipment.
- CCG: Valve must not have any iron, and must be class approved.

6.0 Through Hull Valve Supply

- CCG (Chief Engineer) delivered power on board the vessel is 460/240 VAC- 3 phase, not 440/220 VAC - 3 phase as indicated

PART 3

a. Varia

- No questions or comments

b. Closing comments

- All bidders were thanked for their participation and attendance.
- All bidders were wished good luck with their bids.

Dan Byron
Contracting Authority
PSPC
819-420-2898

(3) Modify Annex A, Statement of Requirement, section 2.2 Installation, item (i)

DELETE (in it's entirety) Annex A, Statement of Requirement, section 2.2 Installation, item (i)

ADD: Annex A, Statement of Requirement, section 2.2 Installation, item (i)

- (i) The Bidder must conduct a factory acceptance test demonstrating the deployment and retrieval of the ram including its interface with the through hull valve assembly. All functional controls, monitoring and interlocks must be successfully demonstrated. CCG to be given access to witness the factory acceptance testing.

(4) Modify Annex A, Statement of Requirement, section 2.2 Installation

ADD: section 2.2.1 Field Service Representative

The Bidder is to provide Field Service Representative support, on behalf of CCG, to the shipyard to oversee the shipyard work associated with the multibeam sounder installation. The specification for the shipyard work is yet to be developed however the Bidder will have input into its development to ensure that the Bidder's work is limited to final connections of the sounder system itself. The yard will be responsible for installation of the valve and its associated equipment, deployment ram and its power pack and controls, mounting of sounder, transceiver, GPS antenna, Applanix system, motion reference units, computers and displays including pulling and installing all necessary cabling to interconnect all devices supplied by Bidder.

The Bidder shall provide a Field Representative to be on site at the shipyard for a 10 day continuous period during installation. The bidder will be responsible in identifying the most effective schedule.

The Bidder will interact with the shipyard through the CCG officer responsible for the multibeam project and will provide expertise to respond to questions and issues as they arise.

For bidding purposes, the following dates are provided for onsite FSR support and sea trials:

CCGS Des Groseilliers – onsite (March 2018), sea trials August 2018.
CCGS Pierre Radisson – onsite (April 2018), sea trials May 2018.

(5) Replace Annex D – Point Rated Technical Scoring

DELETE (In it's entirety): Annex D Point Rated Technical Scoring

ADD:

Technical Rating Scoring

Impact on Hull (technical evaluation criteria 6b)	Points Awarded	Weightings	Technical Scoring
Valve size			
<38	5	5	25
38 - 40	4	5	20
40 - 42	3	5	15
42 - 44	2	5	10
44 - 46	1	5	5
Impact on Sounding Location (technical evaluation criteria 5g)			
Inboard (mandatory it not project above 17' Flat)	2	7.5	15
Outboard (mandatory it not project above Main deck)	1	7.5	7.5
Deployment depth below baseline (technical evaluation criteria 5f)			
>0.99 m	5	2	10
0.8-0.9	4	2	8
0.7-0.8	3	2	6
0.6-0.7	2	2	4
0.5-0.6	1	2	2
Deployment System (technical evaluation criteria 5a)			
Proven design and arrangement	3	7	21

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Amd. No 4. - N° de la modif 4
File No. - N° du dossier
043ml. F7044-170200

Buyer ID - Id de l'acheteur
043ml
CCC No./N° CCC - FMS No./N° VME

Modification on Proven design (strength and sizing only)	2	7	14
Modelled from proven design (strength, size and components reconfigured)	1	7	7
Sounder Performance (technical evaluation criteria 2.3 a)			
1x1	4	2	8
1 x 2	3	2	6
1.5 x 1.5	2	2	4
2 x 2	1	2	2

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(6) Replace Annex B – Basis of Payment (Financial Bid Presentation Sheet)

DELETE (in its entirety) Annex B – Basis of Payment (Financial Bid Presentation Sheet)

ADD: Annex B – Basis of Payment (Financial Bid Presentation Sheet)

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ANNEX "B" BASIS OF PAYMENT (Financial Bid Presentation Sheet)

Section	Description	(a) Price for CCGS Des Groseilliers (HST Excluded)	(b) Price for CCGS Pierre Radisson (HST Excluded)	(c) Price for Option (HST Excluded)	Subtotal (column (a) + (b) + (c)) (HST Excluded)
2	Technical Description: (All section except 2.2.1)				
2	2.2.1 Field Service Representative				
3	Product Support				
4	Ancillary Equipment Supply				
5	Deployment/Retrieval System Supply				
6	Through Hull Valve Supply				
TOTAL (Evaluation Price)					

Note:

(1) Evaluation price will be based on the totals of Column (a) + (b) + (c)

(2) Initial Contract value upon award will be based on the totals of column (a) + (b)

End of Solicitation Amendment #4