Public Works and Government Services Canada | Travaux publics et Services gouvernementaux Canada

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
michal.szczesniak@pwgsc-tpsgc.gc.ca

LETTER OF INTEREST
LETTRE D'INTÉRÊT

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Marine Emergency Response Division/Division des Interventions en cas d'urgence maritime
Centennial Towers 7th Floor - 7W11
200 Kent Street
Ottawa
Ontario
K1A0S5

Title - Sujet Fire-Resistant Boom	
Solicitation No. - N° de l'invitation F7047-210016/A	**Date** 2021-05-10
Client Reference No. - N° de référence du client F7047-210016	**GETS Ref. No. - N° de réf. de SEAG** PW-$ERD-002-28221
File No. - N° de dossier 002erd.F7047-210016	**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 2021-06-01	Heure Avancée de l'Est HAE
F.O.B. - F.A.B.	
Plant-Usine: ☐ **Destination:** ☐ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Szczesniak, Michal	**Buyer Id - Id de l'acheteur** 002erd
Telephone No. - N° de téléphone (250) 507-0647 ( )	**FAX No. - N° de FAX** ( ) -
Destination - of Goods, Services, and Construction: **Destination - des biens, services et construction:** Specified Herein / Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein – Voir ci-inclus	**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**

Canada

Fire-Resistant Boom
Request for Information (RFI)

Table of Contents

1. Purpose

The Canadian Coast Guard may be acquiring up to 1000 feet of commercially-available fire-resistant boom and associated equipment (herein after referred to as a Fire Boom System). The Fire Boom System will be used to contain a controlled in-situ burning of spilled oil offshore in unsheltered waters with the presence of ice and/or debris. The purpose of this Request for Information (RFI) is to request that interested companies provide feedback and recommendations regarding the requirement as well as to answer the related questions in Annex A.

The objectives of this RFI are to:

a) Provide Industry with general information on the potential scope of work, requirements, and provisions of a potential contract for the Fire Boom System;

b) Enable Canada to request information and input from industry regarding the scope of work (please refer to Annex A of this RFI); and

c) Enable Canada to progress to potential solicitations for this work.

2. Background Information

Scientists are conducting research and developing new methods and techniques to respond to oil spills in the marine environment. One of these techniques includes the burning of oil on-site, known as in-situ burning (ISB). While ISB has the capability to remove large volumes of oil under ideal conditions, it currently has several limitations. The goal of infield research in this area is to investigate the effectiveness of current and new ISB technologies to remove spilled oil under Canadian conditions and build science-based evidence to support oil spill response operations.

Should field research proposals be approved to proceed in Canadian waters, the Canadian Coast Guard (CCG) will be responsible to monitor the operations and ensure the safe deployment of all planned mitigation measures (oil spill response equipment to control the containment of the oil and minimize environmental impacts). As such, the Coast Guard requires fire-resistant booms to support these activities and ensure that the field experiments are carried out safely and efficiently, and that appropriate response equipment and techniques are in place.

3. Potential Work Scope and Constraints

A description of the intended use of the Fire Boom Systems is provided in Annex A of the RFI.

4. Legislation, Trade Agreements, and Government Policies:

The following list is indicative of some of the legislation, trade agreements, and government policies that could impact any follow-on solicitation for the Fire Boom System:

a) World Trade Organization – Agreement on Government Procurement (WTO-AGP), Canada Free Trade Agreement (CFTA), Canada-European Union Comprehensive Economic and Trade Agreement (CETA) and the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) may apply to follow-on solicitations;

b) Defence Production Act: will not apply to follow-on solicitations;

c) Industrial and Technological Benefits (ITBs): ITBs will not apply to follow-on solicitations;

d) Controlled Goods Program (CGP): the CGP may not apply to follow-on solicitations;

e) Federal Contractors Program for Employment Equity (FCP-EE): the FCP-EE may apply to follow-on solicitations;

f) Comprehensive Land Claim Agreements (CLCAs): CLCAs may apply to follow-on solicitations.

5. Schedule

In providing responses, the following schedule should be utilized as a baseline:

a) This RFI: May 2021

b) Potential Solicitation(s): July 2021

c) Potential Contract Award(s): October 2021.

6. Important Notes to Respondents

6.1 Submitting the Response

Interested respondents may submit their responses to the Contracting Authority identified in section 8 below. Canada requests that responses be provided by email (no more than 5MB per email).

6.2 Format of the Response

Respondents are asked to provide their response to this RFI as a PDF document that is unprotected (no password required). Responses should include a cover page that includes: the RFI number (F7047-210016/A), the full legal name of the Respondent, and the date. Responses should also include a point of contact for the Respondent (name, address, telephone number and email). Respondents are requested to use a numbering system in their response that corresponds with the numbering system in Annex A of this RFI.

6.3 Treatment of the Response

Responses will not be formally evaluated. However, Canada may use the information in planning a potential solicitation for the Work described herein. Canada will review all responses received by the RFI closing date. Canada may, at its discretion, review responses received after the RFI closing date.

A review team composed of representatives of the Government of Canada will review the responses. Canada reserves the right to hire any independent consultant, or use any Government resource which it deems necessary to review any response. Not all members of the review team will necessarily review all responses.

Canada may, at its discretion, contact any Respondent to follow up with additional questions or for clarification of any aspect of a response. Canada may also publish further RFIs related to this initiative.

6.4 Other Important Notes

Changes to this RFI may occur and will be advertised on the BuyAndSell.gc.ca website. Canada asks Respondents to visit BuyAndSell.gc.ca regularly to check for changes, if any.

This RFI is neither a call for tender nor a Request for Proposal (RFP). No agreement or contract will be entered into as a result of this RFI.

The issuance of this RFI is not to be considered in any way a commitment by the Government of Canada, nor as authority to potential respondents to undertake any work that could be charged to Canada. This RFI is not to be considered as a commitment to issue a subsequent solicitation or award contract(s) for the work described herein.

Respondents are encouraged to identify, in the information they share with Canada, any information that they feel is proprietary, third party, or personal information. Please note that Canada may be obligated by law (e.g. in response to a request under the Access to Information Act) to disclose proprietary or commercially-sensitive information concerning a respondent (for more information: http://laws-lois.justice.gc.ca/eng/acts/a-1/).

Respondents are asked to identify if their response, or any part of their response, is subject to the Controlled Goods Regulations.

Participation in this RFI is encouraged, but is not mandatory. There will be no short-listing of potential suppliers for the purposes of undertaking any future work as a result of this RFI. Similarly, participation in this RFI is not a condition or prerequisite for the participation in any potential subsequent solicitation.

Respondents will not be reimbursed for any cost incurred by participating in this RFI.

7. Closing date for the RFI

Responses to this RFI are to be submitted to the Contracting Authority identified below, on or before June 1, 2021 at 2:00pm EDT.

8. Contracting Authority

Michal Szczesniak
Public Works and Government Services Canada
Acquisitions Program
Pacific Region – Marine Acquisitions
on behalf of the
National Capital Region – Marine Services & Small Vessels Sector – Marine Navigation and Remediation Division
Telephone: 1.250.507.0647
E-mail: michal.szczesniak@pwgsc-tpsgc.gc.ca

ANNEX A
REQUESTED INFORMATION

1.0 Background

Scientists are conducting research and developing new methods and techniques to respond to oil spills in the marine environment. One of these techniques includes the burning of oil on-site, known as in-situ burning (ISB). While ISB has the capability to remove large volumes of oil under ideal conditions, it currently has several limitations. The goal of infield research in this area is to investigate the effectiveness of current and new ISB technologies to remove spilled oil under Canadian conditions and build science-based evidence to support oil spill response operations.

Should field research proposals be approved to proceed in Canadian waters, the Canadian Coast Guard (CCG) will be responsible to monitor the operations and ensure the safe deployment of all planned mitigation measures (oil spill response equipment to control the containment of the oil and minimize environmental impacts). As such, the Coast Guard requires fire-resistant booms to support these activities and ensure that the field experiments are carried out safely and efficiently, and that appropriate response equipment and techniques are in place.

The Canadian Coast Guard may be acquiring up to 1000 feet (ft.) of commercially-available fire-resistant boom and associated equipment (herein after referred to as a Fire Boom System). The Fire Boom System will be used to contain a controlled in-situ burning of spilled oil offshore in unsheltered waters with the presence of ice and/or debris. The following information and questions are provided to prompt industry feedback. Please provide information (details, photographs, website references, etc.) as deemed necessary to provide Canada with a thorough understanding of available solutions.

2.0 General Requirements

2.1. Equipment

The CCG requires 2 Fire Boom Systems. The following definitions apply for the purpose of this solicitation.

Fire Boom	One section of Fire-Resistant Boom
Fire Boom System	▪ 500 ft. of Fire Boom sections (comprised of a combination of 50-ft. and 100-ft. sections) ▪ 1 Storage Container ▪ 1 Accessory Kit ▪ 1 Field Repair Kit ▪ 1 Operations Manual ▪ 1 Maintenance Manual

2.2. Documentation

If awarded the contract, the vendor could anticipate the requirement to submit the following documentation:

a. Project schedule;
b. Design drawings;
c. Spare Parts list; and
d. Operations and Maintenance manual.

2.3. Meetings

If awarded the contract, the vendor could anticipate the requirement to attend the following meetings:

- Contract Kick-Off Meeting; and
- Progress Review Meetings, as required by Canada.

3.0 Desired Performance and Functional Requirements

The following performance and functional characteristics are currently desired and CCG is seeking industry feedback as to whether they are achievable with existing commercially-available products. Please indicate whether your proposed Fire Boom System can meet these characteristics and if not, please suggest alternate requirements for Canada's consideration.

3.1. Proposed Fire Boom

Please indicate the Name and Type of Fire Boom System that you are proposing: Please fill out a separate response questionnaire for each type of Fire Boom System you will propose.	
Name of Fire Boom:	
Type of Fire Boom:	

3.2. Requirements Questionnaire

ITEM NO.	REQUIREMENT	DOES YOUR FIRE BOOM SYSTEM SATISFY THE REQUIREMENT?		VENDOR COMMENT ON CANADA'S REQUIREMENT
R1	The Fire Boom must be constructed of fire- and heat-resistant material.	☐ **YES**	☐ **NO**	

ITEM NO.	REQUIREMENT	DOES YOUR FIRE BOOM SYSTEM SATISFY THE REQUIREMENT?		VENDOR COMMENT ON CANADA'S REQUIREMENT
R2	Each Fire Boom System must include 500 ft. of Fire Boom and be comprised of sections of a minimum of 50-ft. and a maximum of 100-ft. each. Canada may purchase up to 2 complete Fire Boom Systems.	☐ **YES**	☐ **NO**	
R3	The Fire Boom's total height must be a minimum of 30 inches.	☐ **YES**	☐ **NO**	
R4	The Fire Boom must sustain a burn time of greater than 4 hours without boom failure at a minimum temperature of 1000°C.	☐ **YES**	☐ **NO**	
R5	The Fire Boom must be durable enough to withstand burn time and fatigue, without boom failure for a minimum of 12 hours after a burn event under Beaufort 4 sea conditions and withstand contact with floating debris. NOTE: Debris is defined as twigs and burn residue.	☐ **YES**	☐ **NO**	
R6	The Fire Boom must include a container(s) for storage and deployment.	☐ **YES**	☐ **NO**	
R7	The container(s) must be 10-ft. ISO containers with corner fittings to accommodate twist locks and meet ISO 668 Series 1, ISO 1496-1, and the Safe Containers Convention Regulations (SOR/82-1038) standards.	☐ **YES**	☐ **NO**	
R8	The container(s) must have forklift pockets and certified lifting points so that the Fire Boom System can easily be transported by land, sea, and air.	☐ **YES**	☐ **NO**	
R9	The Fire Boom must be deployed by CCG Operators into unsheltered water without the use of heavy lifting equipment.	☐ **YES**	☐ **NO**	
R10	The Fire Boom must be recovered by CCG Operators from unsheltered water without the use of heavy lifting equipment.	☐ **YES**	☐ **NO**	

ITEM NO.	REQUIREMENT	DOES YOUR FIRE BOOM SYSTEM SATISFY THE REQUIREMENT?		VENDOR COMMENT ON CANADA'S REQUIREMENT
R11	The Fire Boom System must include an accessory kit to enable operation (e.g., reel, joiners, storage containers, inflators, pumps, etc.).	☐ **YES**	☐ **NO**	
R12	The Fire Boom System must include a field repair kit.	☐ **YES**	☐ **NO**	
R13	A 500 ft. Fire Boom section must be towable at a speed of up to 5 knots in unsheltered water.	☐ **YES**	☐ **NO**	
R14	The Fire Boom's metal connections, such as: connection areas, stiffeners, tension members, anchor points and towing bridles must be heat- and corrosion-resistant to meet the requirements of R4 and R5.	☐ **YES**	☐ **NO**	
R15	Each Fire Boom section must have reflective and high visibility markings above the water-line.	☐ **YES**	☐ **NO**	
R16	The Fire Boom must be ultraviolet (UV) and mold resistant.	☐ **YES**	☐ **NO**	
R17	The Fire Boom (including fitments and spares) must function in ambient air temperatures from -30ºC to +40ºC.	☐ **YES**	☐ **NO**	
R18	The Fire Boom's operational hardware, maximums, capacities, and limits must be labeled to facilitate safe operation.	☐ **YES**	☐ **NO**	
R19	The Fire Boom System must include an Operation and Maintenance manual.	☐ **YES**	☐ **NO**	

4.0 General Feedback

ITEM NO.	QUESTION	VENDOR RESPONSE
A1	What is the rough order of magnitude (ROM) cost for the proposed Fire Boom System including delivery (Delivered Duty Paid - Incoterms 2010)? (Cost for each 500 ft. Fire Boom System in Canadian Dollars and if applicable, based on what foreign currency exchange rate)	
A2	From the time of contract award, how many weeks do you anticipate would be required to deliver 2 of the proposed Fire Boom Systems?	
A3	Please provide any further information you believe Canada should consider in its plan for a potential follow-on solicitation for Fire Boom Systems.	