



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Public Works and Government Services Canada
Canada Place/Place du Canada
10th Floor/10e étage
9700 Jasper Ave/9700 ave Jasper
Edmonton
Alberta
T5J 4C3
Bid Fax: (780) 497-3510

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

Proposal To: Public Works and Government Services Canada

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Proposition aux: Travaux Publics et Services Gouvernementaux Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet Chemistry Simulations	
Solicitation No. - N° de l'invitation W7702-206207/A	Date 2019-12-11
Client Reference No. - N° de référence du client W7702-206207	
GETS Reference No. - N° de référence de SEAG PW-\$EDM-607-11753	
File No. - N° de dossier EDM-9-42116 (607)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-01-08	Time Zone Fuseau horaire Mountain Standard Time MST
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: Jenkinson, Lorraine	Buyer Id - Id de l'acheteur edm607
Telephone No. - N° de téléphone (587) 337-2458 ()	FAX No. - N° de FAX (780) 497-3510
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE BLDG 560 RECEIVING 560 MOUNT SORRELL ROAD RALSTON Alberta T0J2N0 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

Raison sociale et adresse du fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Public Works and Government Services Canada
Canada Place/Place du Canada
10th Floor/10e étage
9700 Jasper Ave/9700 ave Jasper
Edmonton
Alberta
T5J 4C3

Delivery Required - Livraison exigée See Herein	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 No. - N° de l'invitation
W7702-206207/A
Client Ref. No. - N° de réf. du client
W7702-206207

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42116

Buyer ID - Id de l'acheteur
EDM607
CCC No./N° CCC - FMS No./N° VME

TITLE: Computational chemistry simulations of Pharmaceutical based agents, drug discovery and chemical absorption

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	3
1.1 INTRODUCTION.....	3
1.2 SUMMARY	3
1.3 DEBRIEFINGS	3
PART 2 - BIDDER INSTRUCTIONS	4
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS.....	4
2.2 SUBMISSION OF BIDS.....	4
2.3 FORMER PUBLIC SERVANT – COMPETITIVE BID.....	4
2.4 ENQUIRIES - BID SOLICITATION.....	5
2.5 APPLICABLE LAWS.....	6
2.6 IMPROVEMENT OF REQUIREMENT DURING SOLICITATION PERIOD	6
2.7 BASIS FOR CANADA'S OWNERSHIP OF INTELLECTUAL PROPERTY	6
PART 3 - BID PREPARATION INSTRUCTIONS.....	6
3.1 BID PREPARATION INSTRUCTIONS	6
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	8
4.1 EVALUATION PROCEDURES.....	8
4.2 BASIS OF SELECTION.....	8
PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION	8
5.1 CERTIFICATIONS REQUIRED WITH THE BID	8
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	9
PART 6 – THIS PART IS INTENTIONALLY LEFT BLANK.....	10
PART 7 - RESULTING CONTRACT CLAUSES	10
7.1 STATEMENT OF WORK.....	10
7.2 STANDARD CLAUSES AND CONDITIONS.....	10
7.3 SECURITY REQUIREMENTS	10
7.4 TERM OF CONTRACT	11
7.5 AUTHORITIES	11
7.6 PROACTIVE DISCLOSURE OF CONTRACTS WITH FORMER PUBLIC SERVANTS	12
7.7 PAYMENT	12
7.8 INVOICING INSTRUCTIONS - PROGRESS PAYMENT CLAIM - SUPPORTING DOCUMENTATION REQUIRED ..	14
7.9 CERTIFICATIONS AND ADDITIONAL INFORMATION.....	14
7.10 APPLICABLE LAWS.....	14
7.11 PRIORITY OF DOCUMENTS	15
7.12 DEFENCE CONTRACT	15
7.13 SACC MANUAL CLAUSES.....	15
7.14 INSURANCE REQUIREMENTS	15
ANNEX “A” - STATEMENT OF WORK.....	16
ANNEX “B” - BASIS OF PAYMENT	21

Solicitation No. - N° de l'invitation
W7702-206207/A
Client Ref. No. - N° de réf. du client
W7702-206207

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42116

Buyer ID - Id de l'acheteur
EDM607
CCC No./N° CCC - FMS No./N° VME

ANNEX "C" – DISCLOSURE CERTIFICATION	22
ANNEX "D" - ELECTRONIC PAYMENT INSTRUMENTS	23
ANNEX "E" - EVALUATION CRITERIA.....	24

PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides Bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;
- Part 6 This section is intentionally left blank; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Statement of Work, the Basis of Payment, the Electronic Payment Instruments, and any other annexes.

1.2 Summary

1.2.1 Defence Research and Development Canada (DRDC)-Suffield Research Centre requires information on the physical properties of some pharmaceutical based agents (PBAs) and medical countermeasures (MCMs) that they cannot determine experimentally. They also require information on how these molecules interact with various solutions and biological systems. Current calculations in the literature do not account for enough of the physical environment surrounding the PBAs or MCMs to produce accurate representations of the interaction of these molecules in biological systems. DRDC-Suffield would like high-level quantum calculations to predict these interactions. For drug-repurposing DRDC-Suffield Research Centre also requires high-level calculations of hybrid quantum mechanics/molecular mechanics (QM/MM) to discover drugs against protein targets based on approved drugs by US Federal Drug Administration (FDA). For small molecule capture using Metal-Organic Frameworks (MOFs), the screening calculations are needed to determine the best candidates of MOFs for chemical absorption.

The period of contract is from date of Contact award to 2020-03-31 with three (3) option years and two (2) "GO-NO GO" optional tasks (Tasks 5.2.3 and 5.2.4).

- 1.2.2 The requirement is subject to the provisions of the Canadian Free Trade Agreement (CFTA).
- 1.2.3 The requirement is limited to Canadian services.
- 1.2.4 This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

Solicitation No. - N° de l'invitation
W7702-206207/A
Client Ref. No. - N° de réf. du client
W7702-206207

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42116

Buyer ID - Id de l'acheteur
EDM607
CCC No./N° CCC - FMS No./N° VME

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003 \(2019-03-04\)](#), Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

- Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 120 days

2.2 Submission of Bids

Bids must be submitted only to the Public Works and Government Services Canada (PWGSC) Bid Receiving Unit specified below by the date and time indicated on page 1 of the bid solicitation:

Bid Receiving Unit (BRU):	Western Region
Physical delivery address:	Bid Receiving Public Works and Government Services Canada Canada Place, Suite 1000 9700 Jasper Avenue Edmonton AB, T5J 4C3
epost Connect service email address:	ROReceptionSoumissions.WRBidReceiving@tpsgc-pwgsc.gc.ca
<i>(Bids/Offers will be not be accepted if emailed directly to this email address. This email address is to be used to open an ePost Connect conversation, as detailed in Standard Instructions 2003, or to send bids through an ePost Connect message if the bidder is using its own licensing agreement for ePost Connect.)</i>	
Bid facsimile number:	(780) 497-3510

2.3 Former Public Servant – Competitive Bid

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

2.3.1 Definitions

For the purposes of this clause,

"former public servant" is any former member of a department as defined in the [Financial Administration Act](#), R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

2.3.2 Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes () No ()**

If so, the Bidder must provide the following information, for all FPSs in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

2.3.3 Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes () No ()**

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than FIVE (5) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must

be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.5 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Alberta.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

2.6 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least FIVE (5) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.7 Basis for Canada's Ownership of Intellectual Property

Defence Research and Development Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada, for the following reasons, as set out in the [Policy on Title to Intellectual Property Arising Under Crown Procurement Contracts](#): an exemption has been granted through a Treasury Board submission.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:
 - Section I: Technical Bid (1 hard copy or 1 fax copy)
 - Section II: Financial Bid (1 hard copy or 1 fax copy)
 - Section III: Certifications (1 hard copy or 1 fax copy)
- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

- Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.
- Canada requests that bidders follow the format instructions described below in the preparation of hard copy of their bid:
 - (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
 - (b) use a numbering system that corresponds to the bid solicitation.
- In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573). To assist Canada in reaching its objectives, bidders should:
 - 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
 - 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

3.1.1 Section I: Technical Bid

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability and describe their approach in a thorough, concise and clear manner for carrying out the work. Bidders should describe the capability and experience of the project team.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

3.1.2 Section II: Financial Bid

3.1.2.1 Bidders must submit their financial bid in accordance with the Basis of Payment in Annex "B".

3.1.2.2 Electronic Payment of Invoices – Bid

The Bidder must complete Annex "C" - Electronic Payment Instruments to identify which electronic payment instruments they are willing to accept.

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "C" - Electronic Payment Instruments, to identify which ones are accepted.

If Annex "C" - Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2.3 SACC Manual clauses

[C3011T \(2013-11-06\)](#), Exchange Rate Fluctuation

3.1.3 Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

Mandatory and point rated technical evaluation criteria are included in Annex "D".

4.1.2 Financial Evaluation

4.1.2.1 Financial evaluation as per Annex "E", Evaluation Criteria and Selection Method.

4.1.2.2 Maximum Funding

The maximum funding available for the Contract resulting from the bid solicitation is **\$370,000.00** (Applicable Taxes extra). Bids valued in excess of this amount will be considered non-responsive. This disclosure does not commit Canada to pay the maximum funding available.

4.1.2.3 SACC Manual Clause [A0220T \(2014-06-26\)](#), Evaluation of Price-Bid

4.2 Basis of Selection

4.2.1 Basis of Selection - Highest Rated Within Budget

4.2.1.1 To be declared responsive, a bid must:

- a. comply with all the requirements of the bid solicitation;
 - b. meet all mandatory technical evaluation criteria; and
 - c. obtain the required minimum of 174 points overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 232 points.
2. Bids not meeting (a) or (b) or (c) will be declared non responsive. The responsive bid with the highest number of points will be recommended for award of a contract, provided that the total evaluated price does not exceed the budget available for this requirement.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the Integrity declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid list at the time of contract award.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Canadian Content Certification

5.2.3.1.1 *SACC Manual* clause [A3050T \(2018-12-06\)](#), Canadian Content Definition

5.2.3.1.2 Certification

This procurement is limited to Canadian services.

The Bidder certifies that:

() the service offered is a Canadian service as defined in paragraph 2 of clause A3050T.

Bidders should submit this certification completed with their bid. If the certification is not completed and submitted with the bid, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to submit this completed certification. Failure to comply with the request of the Contracting Authority and submit the completed certification will render the bid non-responsive.

5.2.3.2 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of

an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability.

5.2.3.3 Education and Experience

5.2.3.3.1 SACC Manual clause [A3010T \(2010-08-16\)](#), Education and Experience

PART 6 – This part is intentionally left blank.

PART 7 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

7.1 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A" and the Contractor's technical bid entitled _____, dated _____.

7.1.1 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex "A, under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment. The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

7.2 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

7.2.1 General Conditions

[2040 \(2018-06-21\)](#), General Conditions - Research & Development, apply to and form part of the Contract.

7.2.2 SACC Manual Clauses

K3410C (2015-02-25) Canada to Own Intellectual Property Rights in Foreground Information

7.3 Security Requirements

7.3.1 There is no security requirement applicable to the Contract.

Solicitation No. - N° de l'invitation
W7702-206207/A
Client Ref. No. - N° de réf. du client
W7702-206207

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42116

Buyer ID - Id de l'acheteur
EDM607
CCC No./N° CCC - FMS No./N° VME

7.4 Term of Contract

7.4.1 Period of the Contract

The period of the Contract is from **date of Contract to 2020-03-31** inclusive.

7.4.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to THREE (3) additional one (1) year periods [Period 1: 2020-04-01 to 2021-03-31, Period 2: 2021-04-01 to 2022-03-31, Period 3: 2022-04-01 to 2023-03-31], under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least SIXTY (60) calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

7.5 Authorities

7.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Lorraine Jenkinson
Procurement Specialist
Procurement Branch, Western Region
Public Services and Procurement Canada
Canada Place, Suite 1000
9700 Jasper Avenue
Edmonton AB, T5J 4C3

Telephone: 587-337-2458
Facsimile: 780-497-3510
Email: lorraine.jenkinson@pwgsc-tpsgc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

7.5.2 Technical Authority

The Technical Authority for the Contract is: **(To be named in the Contract.)**

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____ - ____ - ____
Facsimile: ____ - ____ - ____
E-mail: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the

Solicitation No. - N° de l'invitation
W7702-206207/A
Client Ref. No. - N° de réf. du client
W7702-206207

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42116

Buyer ID - Id de l'acheteur
EDM607
CCC No./N° CCC - FMS No./N° VME

Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

7.5.3 Procurement Authority

The Procurement Authority for the Contract is: **(To be named in the Contract.)**

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____ - ____ - ____
Facsimile: ____ - ____ - ____
E-mail: _____

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

7.5.4 Contractor's Representative

Name :	
Title :	
Organisation :	
Telephone :	
Facsimile:	
Email:	

7.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada.

7.7 Payment

7.7.1 Basis of Payment

The Contractor will be paid for its costs reasonably and properly incurred in the performance of the Work, and profit in accordance with the Basis of payment in Annex "B", to a limitation of expenditure of \$ _____ (*insert the amount at contract award*). Customs duties are included and Applicable Taxes are extra.

7.7.2 Limitation of Expenditure

7.7.2.1 Canada's total liability to the Contractor under the Contract must not exceed \$ _____. Customs duties are included and Applicable Taxes are extra.

7.7.2.2 No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by

the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

- a. when it is 75% committed, or
 - b. four months before the contract expiry date, or
 - c. as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,
- whichever comes first.

7.7.2.3 If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

7.7.3 Progress Payments

7.7.3.1 Canada will make progress payments in accordance with the payment provisions of the Contract, no more than once a month, for cost incurred in the performance of the Work, up to 90 percent of the amount claimed and approved by Canada if:

- a. an accurate and complete claim for payment using form PWGSC-WR01, Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. the amount claimed is in accordance with the basis of payment;
- c. the total amount for all progress payments paid by Canada does not exceed 100 percent of the total amount to be paid under the Contract;
- d. all certificates appearing on form PWGSC-WR01 have been signed by the respective authorized representatives.

7.7.3.2 The balance of the amount payable will be paid in accordance with the payment provisions of the Contract upon completion and delivery of all work required under the Contract if the Work has been accepted by Canada and a final claim for the payment is submitted.

7.7.3.3 Progress payments are interim payments only. Canada may conduct a government audit and interim time and cost verifications and reserves the rights to make adjustments to the Contract from time to time during the performance of the Work. Any overpayment resulting from progress payments or otherwise must be refunded promptly to Canada.

7.7.4 SACC Manual Clauses

A9117C (2007-11-30), T1204 - Direct Request by Customer Department

C0705C (2010-01-11), Discretionary Audit

C0102C (2010-01-11), Discretionary Audit - Canadian Universities and Colleges

7.7.5 Electronic Payment of Invoices – Contract

Contracting officers must reproduce below, the information from Annex "C"- Electronic Payment Instruments, in which were identified electronic payment instruments accepted by the Contractor and renumber accordingly.

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

7.8 Invoicing Instructions - Progress Payment Claim - Supporting Documentation required

7.8.1 The Contractor must submit a claim for payment using form PWSGSC-WR01, Claim for Progress Payment.

Each claim must show:

- a. all information required on form PWGSC-WR01;
- b. all applicable information detailed under the section entitled "Invoice Submission" of the general conditions; and
- c. a list of all expenses.

Each claim must be supported by:

- a. a copy of time sheets to support the time claimed;
- b. a copy of the invoices, receipts, vouchers for all direct expenses, travel and living expenses;
- c. a copy of the monthly progress report.

7.8.2 Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.

7.8.3 The Contractor must prepare and certify one original and two (2) copies of the claim on form PWGSC-WR01, and forward it to the Procurement Authority identified under the section entitled "Authorities" of the Contract for appropriate certification after inspection and acceptance of the Work takes place. The Procurement Authority will then forward the original and two (2) copies of the claim to the Payment Office for the remaining certification and payment action.

7.8.4 The Contractor must not submit claims until all work identified in the claim is completed.

7.9 Certifications and Additional Information

7.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

7.9.2 Disclosure Certification

On completion of the Work, the Contractor must submit to the Procurement Authority and to the Contracting Authority a copy of the Disclosure Certification attached as Annex "C" stating that all applicable disclosures were submitted or that there were no disclosures to submit under sections 27 and 28 of general conditions 2040.

7.9.3 SACC Manual Clauses

A3060C (2008-05-12), Canadian Content Certification

7.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____ (*insert the name of the province or territory as specified by the Bidder in its bid, if applicable*).

Solicitation No. - N° de l'invitation

W7702-206207/A

Client Ref. No. - N° de réf. du client

W7702-206207

Amd. No. - N° de la modif.

File No. - N° du dossier

EDM-9-42116

Buyer ID - Id de l'acheteur

EDM607

CCC No./N° CCC - FMS No./N° VME

7.11 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions [2040 \(2016-04-04\)](#), General Conditions - Research & Development;
- (c) Annex A, Statement of Work;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Disclosure Certification;
- (f) the Contractor's bid dated _____, (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award:* ", as clarified on _____ " **or** ", as amended on _____ " *and insert date(s) of clarification(s) or amendment(s)*).

7.12 Defence Contract

SACC Manual clause [A9006C \(2012-07-16\)](#), Defence Contract

7.13 SACC Manual clauses

[A2000C \(2006-06-16\)](#), Foreign Nationals (Canadian Contractor)

[A9062C \(2011-05-16\)](#), Canadian Forces Site Regulations

[B6800C \(2007-11-30\)](#), List of Non-consumable Equipment and Material

7.14 Insurance Requirements

SACC Manual clause [G1005C \(2016-01-28\)](#), Insurance

ANNEX "A" - STATEMENT OF WORK

1. TITLE

Computational chemistry simulations of Pharmaceutical based agents, drug discovery and chemical absorption

2. BACKGROUND

Defence Research and Development Canada (DRDC)-Suffield Research Centre requires information on the physical properties of some pharmaceutical based agents (PBAs) and medical countermeasures (MCMs) that they cannot determine experimentally. They also require information on how these molecules interact with various solutions and biological systems. Current calculations in the literature do not account for enough of the physical environment surrounding the PBAs or MCMs to produce accurate representations of the interaction of these molecules in biological systems. DRDC-Suffield would like high-level quantum calculations to predict these interactions. For drug-repurposing DRDC-Suffield Research Centre also requires high-level calculations of hybrid quantum mechanics/molecular mechanics (QM/MM) to discover drugs against protein targets based on approved drugs by US Federal Drug Administration (FDA). For small molecule capture using Metal-Organic Frameworks (MOFs), the screening calculations are needed to determine the best candidates of MOFs for chemical absorption.

3. ACRONYMS

DRDC	Defence Research and Development Canada
MCM	Medical Countermeasures
PBA	Pharmaceutical Based Agents
QM/MM	Quantum mechanics/molecular mechanics
MOFs	Metal-Organic Frameworks
FDA	Federal Drug Administration
SOW	Statement of Work
TA	Technical Authority

4. APPLICABLE DOCUMENTS & REFERENCES

None

5. TASKS

5.1. Computational chemistry simulations of pharmaceutical based agents

5.1.1 High-level quantum theory simulations of binding affinities of Pharmaceutical Based Agents with the μ -opioid receptor

The Contractor will calculate the binding energies of up to 15 PBAs and MCMs with the μ -opioid receptor using high-level quantum theory simulations. The PBAs and MCMs will be determined in consultation with the Technical Authority (TA). The Contractor will determine the correlation between the computed relative binding energies to known experimental binding constants (K_i) for these same PBAs and MCMs.

5.1.2 High-level quantum theory simulations of physical properties of PBAs

The Contractor will calculate the physical properties of up to 10 PBAs using high-level quantum theory. The Contractor will calculate the properties of pK_a , solubility in water, a saline solution and one organic solvent to be determined in consultation with the TA. The PBAs for which these properties will be calculated will be determined in consultation with the TA.

5.1.3 High-level quantum theory simulations of binding affinities of PBA metabolites with the μ -opioid receptor

The Contractor will calculate the stability of 12 metabolites from a PBA when in solid form and also in a biological solution similar in ionic concentration as cerebral spinal fluid. The Contractor will analyse the metabolite stability using high level quantum theory simulations. The 12 metabolites will be determined in consultation with the TA. The Contractor will determine the binding energies of these molecules with the μ -opioid receptor and use these energies to predict the experimental binding constants (K_i).

5.1.4 High-level quantum theory simulations of binding affinities of PBA metabolites with the μ -opioid receptor

The Contractor will calculate the stability of up to 15 metabolites from a PBA separate from section 5.3 when in solid form and also in a biological solution. The Contractor will analyse the metabolite stability using high level quantum theory simulations. The 15 metabolites will be determined in consultation with the TA. The Contractor will determine the binding energies of these molecules with the μ -opioid receptor and use these energies to predict the experimental binding constants (K_i).

5.2. To screen FDA-approved drugs (or drugs in clinical trials) against protein therapeutic targets including solvent effects and ionic interactions

5.2.1 To screen FDA-approved drugs against all three serotypes (A, B and E) of botulinum neurotoxin

The contractor will perform molecular docking simulations to screen out drug compounds from FDA-approved drug libraries against all three serotypes (A, B, and E) of botulinum neurotoxin. Molecular docking simulations will include solvent effects and ionic interactions for the calculations of the binding energies. The Contractor will analyse geometric structures of drug molecule and protein complex to study possible binding mechanisms.

5.2.2 To screen antibacterial drugs against protein therapeutic targets determined through discussions with technical authority on specific protein targets and complexity.

The Contractor will perform molecular docking simulations to screen out antibacterial drug compounds from FDA-approved drug libraries against protein therapeutic targets which will be determined through discussion with Technical Authority on specific protein targets and complexity. Molecular docking simulations will include solvent effects and ionic interactions for the binding energies. The Contractor will analyse geometric structures of antibacterial drug and protein complex to study possible binding mechanisms. The high-level quantum chemistry calculations will be performed to calculate structures and energies for the drug molecule and the closest amino acid to study possible reaction paths.

5.2.3 To screen specific small molecules determined through discussions with technical authority on specific protein targets and complexity.

GO/NO GO: If molecular docking simulations are unsuccessful to screen out small molecules from FDA-approved drug libraries in tasks 5.2.1 and 5.2.2, then this portion of the work will not be required.

This is an optional task depending on outcomes from tasks 5.2.1 and 5.2.2. The Contractor will perform molecular docking simulations to screen out specific drugs from FDA-approved drug libraries against specific protein targets. Specific drugs will be determined through discussion with technical authority on specific protein targets and complexity. Molecular docking simulations will include solvent effects and ionic interactions for the binding energies. The Contractor will analyse geometric structures of drug and protein complex to study possible binding mechanisms. The high-level quantum chemistry calculations will be performed to calculate structures and energies for the drug molecule and amino acid complex to study possible reaction paths.

5.2.4 To screen specific small molecules determined through discussions with technical authority on specific protein targets and complexity.

GO/NO GO: If molecular docking simulations are unsuccessful to screen out small molecules from FDA-approved drug libraries in tasks 5.2.1, 5.2.2 and 5.2.3, then this portion of the work will not be required.

This is an optional task depending on outcomes from tasks 5.2.1, 5.2.2 and 5.2.3. The Contractor will perform molecular docking simulations to screen out specific drugs from FDA-approved drug libraries against specific protein targets. Specific drugs will be determined through discussion with Technical Authority on specific protein targets and complexity. Molecular docking simulations will include solvent effects and ionic interactions for the binding energies. The Contractor will analyse geometric structures of drug and protein complex to study possible binding mechanisms. The high-level quantum chemistry and QM/MM calculations will be performed to calculate structures and energies for the drug molecule and amino acid complex to study possible reaction paths.

5.3 To screen candidates of MOFs for chemical absorption of target small molecules provided by technical authority.

The Contractor will perform molecular simulation screening of MOFs for chemical absorption of 8 target small molecules which will be determined through discussion with Technical Authority. The molecular simulation screening will include solvent effects and ionic interactions to identify promising MOF structures and study structure-property relations to chemical absorption. The Contractor will perform computational chemistry characterization and prediction of properties of MOFs obtained from molecular simulation screening.

6. DELIVERABLES

6.1.1 Deliverables for task 5.1.1

The Contractor will publish the results in a peer reviewed journal.

6.1.2 Deliverables for task 5.1.2

The Contractor will provide a contract report and publish the results as a paper, preferably in open literature.

6.1.3 Deliverables for task 5.1.3

The Contractor will provide a contract report and publish the results as a paper, preferably in open literature.

6.1.4 Deliverables for task 5.1.4

The Contractor will provide a Contract report and publish the results as a paper, preferably in open literature.

6.2.1 Deliverables for task 5.2.1

The Contractor will provide a contract report and publish the results as a paper, preferably in open literature.

6.2.2 Deliverables for task 5.2.2

The Contractor will provide a contract report and publish the results as a paper, preferably in open literature.

6.2.3 Deliverables for task 5.2.3

The Contractor will provide a contract report and publish the results as a paper, preferably in open literature.

6.2.4 Deliverables for task 5.2.4

The Contractor will provide a contract report and publish the results as a paper, preferably in open literature.

6.3. Deliverables for task 5.3

The Contractor will provide a contract report and publish the results as a paper, preferably in open literature.

7. DATE OF DELIVERY

Deliverable 6.1.1: Before 2020-03-31.

Deliverable 6.1.2: before 2020-03-31.

Deliverable 6.1.3: before 2021-03-31.

Deliverable 6.1.4: before 2021-03-31.

Deliverable 6.2.1: before 2020-03-31.

Deliverable 6.2.2: before 2021-03-31.

Deliverable 6.2.3 (if required): before 2022-03-31.

Deliverable 6.2.4 (if required): before 2023-03-31.

Deliverable 6.3: before 2020-03-31.

8. LANGUAGE OF WORK

English

9. LOCATION OF WORK

The work must be performed on Contractor site.

10. TRAVEL

The Contractor is not required to travel.

11. MEETINGS

A minimum of 1 teleconference per year with the TA will be held.

12. GOVERNMENT SUPPLIED MATERIAL (GSM)

None

13. GOVERNMENT FURNISHED EQUIPMENT (GFE)

None

14. SPECIAL CONSIDERATIONS

None

Solicitation No. - N° de l'invitation
W7702-206207/A
Client Ref. No. - N° de réf. du client
W7702-206207

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42116

Buyer ID - Id de l'acheteur
EDM607
CCC No./N° CCC - FMS No./N° VME

15. SECURITY

All work is unclassified and the Contractor will not have access to any classified information.

16. INTELLECTUAL PROPERTY (IP) OWNERSHIP

Canada to Own Intellectual Property Rights in Foreground Information as per the Contract.

17. CONTROLLED GOODS

Not applicable

ANNEX "B" - BASIS OF PAYMENT

Payment will be made for time expended and other costs reasonably and properly incurred from the date of contract to contract completion in accordance with the following:

(Note: line items listed below are considered "as applicable")

ITEM		Contract Period: Award date to 2020-03-31	Option Period 1: 2020-04-01 to 2021-03-31	Option Period 2: 2021-04-01 to 2022-03-31	Option Period 3: 2022-04-01 to 2023-03-31
1	Labour at firm hourly rates:				
	Principal Investigator	\$	\$	\$	\$
	Proposed Resource #1	\$	\$	\$	\$
	Proposed Resource #2	\$	\$	\$	\$
	Proposed Resource #3	\$	\$	\$	\$
2	Material/Supplies/Equipment at laid down cost without mark-up , as supported by invoice, including (list items).	\$	\$	\$	\$
3	<i>Standard University Overhead as follows:</i> <i>(Applicable to Universities only)</i> <i>a) at a maximum 65% of on-campus labour (item 1)</i> <i>b) at a maximum 30% of off-campus labour (item 1)</i> <i>c) at a maximum 2% of travel expenses (item 6)</i>	\$	\$	\$	\$
4	Profit at a firm ___% of items 1 and 2 above	\$	\$	\$	\$
TOTAL LIMITATION OF EXPENDITURE:					\$
Goods and Service Tax:				5%	\$

With the exception of the firm rate(s) and price(s), the amounts shown in the various items specified above are estimates only. Minor changes to these estimates will be accepted for billing purposes as the Work proceeds, provided that these changes have the prior approval of the Technical Authority, and provided that the estimated cost does not exceed the aforementioned Limitation of Expenditure.

APPLICABLE TAXES: The applicable taxes are not included in line items above. Applicable taxes are to be shown as a separate line item on each invoice.

F.O.B. Point: Defence Research and Development Canada – Suffield Research Centre

Solicitation No. - N° de l'invitation
W7702-206207/A
Client Ref. No. - N° de réf. du client
W7702-206207

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42116

Buyer ID - Id de l'acheteur
EDM607
CCC No./N° CCC - FMS No./N° VME

ANNEX "C" – DISCLOSURE CERTIFICATION

This document is to be completed and signed by the Contractor at the completion of the subject contract and submitted to the Contracting Officer and the Technical Authority designated below:

Contracting Authority

Technical Authority

Lorraine Jenkinson Procurement Specialist Public Services and Procurement Canada Procurement Branch, Western Region Canada Place, Suite 1000 9700 Jasper Avenue Edmonton AB, T5J 4C3 Email: lorraine.jenkinson@pwgsc-tpsgc.gc.ca	(T.A.) Defence Research & Development Canada – Suffield Research Centre P.O. Box 4000 Main Medicine Hat, AB T1A 8K6
---	---

CONTRACT TITLE: Computational chemistry simulations of Pharmaceutical based agents, drug discovery and chemical absorption

(Department of _____, Prof. _____)

Please tick appropriate box:

- We hereby certify that all applicable disclosures were submitted in compliance with Section 27 and 28, General Conditions 2040 - Research and Development.

YOUR ATTENTION IS DRAWN TO SECTION 28, REGARDING IMPLICATIONS ON NON-DISCLOSURE OF any Technical Documentation, Prototypes, Inventions and Technical Information arising during the performance of work pursuant to the above identified contract.

OR

- We hereby certify that there are no disclosures to submit under the above-referenced Contract, referred to in Section 27 and 28, General Conditions 2040 - Research and Development.

Signature

Print Name

Title

Contractor Name

Date

Solicitation No. - N° de l'invitation

W7702-206207/A

Client Ref. No. - N° de réf. du client

W7702-206207

Amd. No. - N° de la modif.

File No. - N° du dossier

EDM-9-42116

Buyer ID - Id de l'acheteur

EDM607

CCC No./N° CCC - FMS No./N° VME

ANNEX "D" - ELECTRONIC PAYMENT INSTRUMENTS

As indicated in Part 3, clause 3.1.2, the Bidder must complete the information requested below, to identify which electronic payment instruments are accepted for the payment of invoices.

The Bidder accepts to be paid by any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

ANNEX "E" - EVALUATION CRITERIA

A. EVALUATION

A.1. MANDATORY TECHNICAL CRITERIA

The Bidder must demonstrate they meet the following mandatory criteria. Failure to meet any of the following mandatory technical criteria will render the bid non-responsive and it will be given no further consideration.

Curriculum vitae must be included to demonstrate compliance to the mandatory technical criteria.

If the supporting documentation is not provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.

A.2. POINT RATED TECHNICAL CRITERIA:

- a) Each evaluation criterion has a number allotment ("weight") that reflects its importance within the bid. The degree to which the bid satisfies the requirement of each criterion will be assessed and a rating will be assigned ranging from 0 to 4, as described below. A score will be assessed by multiplying the weight by the rating.
(4 = clearly meets all requirements, 3 = meets most requirements, 2 = meets some requirements, 1 = minimally meets requirements, 0 = no capability to meet requirements)
- b) Each bid must achieve a minimum score of 75% of the maximum total points available overall. Bids that fail to achieve this score will be considered technically unacceptable and will be given no further consideration.

A.1.	MANDATORY TECHNICAL CRITERIA	MET	NOT MET
M1	Education of Principal Investigator: PhD with academic training in chemistry or related field (Computational Chemistry, Quantum Chemistry, Biology chemistry, Physical Chemistry, Organic Chemistry, Material Chemistry).		
M2	Education of assigned personnel: PhD, MSc or MEng. ((Computational Chemistry, Quantum Chemistry, Biology chemistry, Physical Chemistry, Organic Chemistry, Material Chemistry).		

A.2.	POINT-RATED TECHNICAL EVALUATION CRITERIA (4 = clearly meets all requirements, 3 = meets most requirements, 2 = meets some requirements, 1 = minimally meets requirements, 0 = no capability to meet requirements)			
A.2.1	TECHNICAL BID	WEIGHT	RATING	SCORE
2.1.1	Understanding of scope and objectives. The Bidder should include a short introduction with a brief evaluation of the need for the project, the objectives of the proposed Work, and the reasons for carrying it out as proposed and the benefits to be derived.	5.0		<i>Max20</i>

2.1.2	Proposed work feasibility, approach and methodology. The Bidder should clearly outline its approach and proposed methodology to meet the requirement, as well as the degree of success expected. The proposed technical approach must be compliant with the requirements of the Statement of Work provided as part of the bid solicitation. Sufficient detail should be provided to demonstrate the Bidder's grasp of the requirement and the Bidder's competence to meet it.	5.0		Max20
2.1.3	Work plan, schedule and deliverables. The Bidder should include a list of specific tasks and deliverables and the proposed schedule for completion of the work or delivery. The schedule should include reports or progress meetings on deliverables.	5.0		Max20
2.1.4	Recognition of problems and solutions proposed. The Bidder should state any major difficulties that are anticipated and explain how it would address these difficulties.	2.0		Max8
2.1.5	Demonstrated original and innovative ideas.	5.0		Max20
2.1.7	Bidder's organization - its relevant experience and competence proven by similar or related work. The Bidder should demonstrate the background and experience of its organization, particularly as it relates to this requirement.	5.0		Max20
2.1.8	Relevant experience of the Primary Investigator for the project Relevant experience as the Primary Investigator, leading a similar project in the following three (3) areas – computational chemistry, quantum chemistry, and molecular dynamic simulations 4 points for more than 3 years' experience as a Primary Investigator 3 points for 2-3 years' experience as a Primary Investigator 2 points for 1-2 years' experience as a Primary Investigator 1 point for less than 1 years' experience as a Primary Investigator 0 points for no experience	5.0		Max20
2.1.9	Relevant experience of other key personnel The Bidder should provide the names of all other key personnel who will be assigned to this requirement, demonstrating their education, qualifications and experience. Their curriculum vitae should also be included. Relevant experience of key personnel assigned to the project in the following three (3) areas – computational chemistry, quantum chemistry, and molecular dynamic simulations 4 points for more than 5 years 3 points for 3-5 years 2 points for 1-3 years 1 points for less than one year. 0 for no experience	5.0		Max20

Solicitation No. - N° de l'invitation
W7702-206207/A
Client Ref. No. - N° de réf. du client
W7702-206207

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42116

Buyer ID - Id de l'acheteur
EDM607
CCC No./N° CCC - FMS No./N° VME

2.1.10	Adequacy and availability of personnel to carry out the project.	4.0		Max16
A.2.2	MANAGEMENT BID	WEIGHT	RATING	SCORE
2.2.1	Proposed level of effort and planned team organization, including availability of team members and backup capability, reporting structure, and capability to carry out the project within the time frame allotted. The Bidder should include a description of the team (including subcontractors, as applicable), the reporting structure, as well as the ability of the proposed team to complete the Work. Where subcontractors are proposed as part of the project team, the Bidder should provide a list of all subcontractors proposed, describe the work to be performed by each one and explain the proposed basis of selection for each one. The level of effort (by task) for each individual should be specified and the availability of personnel (including backup capability) should be addressed.	5.0		Max20
2.2.2	Project management tools or methodology. The Bidder should describe how it proposes to control the management of the project, including subcontracts. In particular, where the Bidder represents a consortium, the approach should include clear descriptions of the arrangements between the members of the consortium and the management processes to be put in place to manage the ongoing performance of the consortium members.	4.0		Max16
2.2.3	Assurance of liaison with the Technical Authority.	4.0		Max16
	MAXIMUM TOTAL POINTS AVAILABLE		232	
	MINIMUM TOTAL POINTS ACCEPTABLE (75%)		174	
	TOTAL POINTS AWARDED			

B. CALCULATION OF BID EVALUATION TOTAL COST:

The Financial bid must be submitted in accordance with the proposed Basis of Payment, Annex "B". The elements of Annex "B" will be added together to determine the Total Estimated Cost to a Limitation of Expenditure.

C. SELECTION - Highest Rated Within Budget

Evaluated score:	
Bidder's Evaluated Total Price:	
Maximum Funding:	