

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Réception des soumissions - TPSGC / Bid
Receiving - PWGSC
1550, Avenue d'Estimauville
1550, D'Estimauville Avenue
Québec
Québec
G1J 0C7

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 LASER COMPACTES PULSÉS	
Solicitation No. - N° de l'invitation W7701-166094/A	Date 2015-10-02
Client Reference No. - N° de référence du client W7701-166094	
GETS Reference No. - N° de référence de SEAG PW-\$QCL-038-16556	
File No. - N° de dossier QCL-5-38133 (038)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-11-16	Time Zone Fuseau horaire Heure Normale du l'Est HNE
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: Fournier, Annie	Buyer Id - Id de l'acheteur qcl038
Telephone No. - N° de téléphone (418) 649-2775 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: RDDC-R ET D DÉFENSE CANADA-VALCARTIER DRDC-DEFENCE R & D CANADA-VALCARTIE BATISSE 53 2459 ROUTE DE LA BRAVOURE QUEBEC Québec G3J1X5 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

TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

Delivery Required - Livraison exigée VOIR DOC	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

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PART 1 - GENERAL INFORMATION

1. Requirement

Defence Research and Development Canada – Valcartier (DRDC) requires the supply and delivery of Two (2) pulsed compact laser systems in accordance with specifications of Annex A.

2. 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.

3. Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

PART 2 - BIDDER INSTRUCTIONS

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>) 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 (2015-07-03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

1.1 SACC Manual Clauses

B1000T (2014-06-26), Condition of Material – Bid

2. Submission of Bids

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

Bid Receiving - PWGSC
1550, D'Estimauville Avenue
Quebec, Quebec
G1J 0C7

3. 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.

4. Applicable Laws

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

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.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

- Section I: Technical Bid (2 hard copies)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (1 hard copy)
- Section IV: Additional Information (1 hard copy)

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 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](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). 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.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the mandatory and point-rated evaluation criteria as described in Sections 1.1.1 and 1.1.2 of Part 4 of this document and provide flyers, brochures and other forms of technical support.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment – Annex B. The total amount of Applicable Taxes must be shown separately.

1.1 Exchange Rate Fluctuation

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

Section III: Certifications

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Bidders must submit the certifications required under Part 5.

Section IV: Additional Information

Bidder must provide the information requested under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

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.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

Bidders must filled and include with their proposal, the mandatory specifications table for the requirement.

Note to bidder: The bidder should indicate if the product proposed meet or does not meet every mandatory criteria by checking the appropriate box. The bidder must clearly **demonstrate** how the proposed product meets each criterion. A checked box alone is not sufficient. If a reference is required, the referred document must be included in the bid and the bidder must precisely indicate where the information is by indicating the document title, page number and paragraph. The bidder must give enough details to allow a complete evaluation.

Although the bidders must proposed products that meet all the specifications described in the Annex A, at the closure date, bids will be evaluated on the following technical requirements:

	CRITERIA	MET	NOT MET	Demonstration: Reference to support document(s) provided with bid
M1	Wavelengths :1064 nm			
M2	Energy per pulse (without the attenuator): ≥ 75 mJ			
M3	Pulse repetition rate: up to 20 Hz			
M4	Laser pulse synchronization: Internally and externally			

1.1.2 Point Rated Technical Criteria

Each bid meeting all of the mandatory criteria described above will be evaluated and noted in accordance with with the following evaluation criteria:

	POINT-RATED EVALUATION CRITERIA	Minimum	Maximum
P1	Energy per pulse of the laser beam output without the variable attenuator (a) ≥ 75 mJ but < 90 mJ : 10 pts (b) ≥ 90 mJ but < 100 mJ : 15 pts	10	20

	(c) ≥ 100 mJ : 20 pts		
P2	Dimensions of the laser head (volume), including the variable attenuator: (a) ≤ 2000 cm ³ but > 1500 cm ³ : 15 pts (b) ≤ 1500 cm ³ but > 1250 cm ³ : 20 pts (c) ≤ 1250 cm ³ : 25 pts	15	25
P3	Weight of the power supply (freestanding) : (a) ≤ 20 kg but > 16 kg : 15 pts (b) ≤ 16 kg but > 12 kg : 20 pts (c) ≤ 12 kg : 25 pts	15	25
P4	Operating temperature (meeting the required specifications) : (a) 15 to 30 degrees Celsius : 10 pts (b) 10 to 35 degrees Celsius : 20 pts (c) 5 to 35 degrees Celsius : 25 pts	10	25
	TOTAL	50	95

1.2 Financial Evaluation

SACC Manual Clause [A0222T \(2014-06-26\)](#), Evaluation of Price - Canadian / Foreign Bidders

2. Basis of Selection – Lowest Evaluated Price Per Point

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 points for the technical evaluation criteria which are subject to point rating.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive. Neither the responsive bid that receives the highest number of points nor the one that proposed the lowest price will necessarily be accepted. The responsive bid with the lowest evaluated price per point will be recommended for award of a contract.

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. 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.

1. Certifications Required with the Bid

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

1.1 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed [Declaration Form](http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>), to be given further consideration in the procurement process.

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 provided will render the bid non-responsive.

2.1 Integrity Provisions – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - Labour's](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) website.

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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list at the time of contract award.

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2.3 Additional Information (to be filled by bidder)

Administrative representative :

Name : _____

Telephone : _____

Facsimile : _____

Email : _____

Technical representative :

Name : _____

Telephone : _____

Facsimile : _____

Email : _____

PART 6 - RESULTING CONTRACT CLAUSES

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

1. Security Requirements

There is no security requirement applicable to this Contract.

2. Requirement

Defence Research and Development Canada – Valcartier (DRDC) requires the supply and delivery of two (2) pulsed compact laser systems in accordance with specifications of Annex A.

3. 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>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2015-09-03), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received within four (4) months of contract award.

4.2 Period of contract

The contract will be valid up to 12 months after deliverables acceptance.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Annie Fournier
Title: Procurement Specialist
Public Works and Government Services Canada
Acquisitions Branch
Address: 601-1550, avenue d'Estimauville

Telephone: 418 649-2775
Facsimile: 418 648-2209
E-mail address: annie.fournier@pwgsc-tps.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

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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.

5.2 Technical Authority

The Technical Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone : _____
Facsimile: _____
E-mail address: _____

The Technical Authority 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 Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 Contractor's Representative (*will be inserted at contract award*)

General information:

Name: _____
Title: _____
Address: _____

Telephone : _____
Facsimile: _____
E-mail address: _____

Follow-up on delivery:

Name: _____
Title: _____
Address: _____

Telephone : _____
Facsimile: _____
E-mail address: _____

6. Payment

6.1 Basis of Payment – Firm Prices

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price of _____ \$ (***amount will be inserted at contract award***). Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.2 Terms of payment – Single Payment

Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.

6.3 SACC Manual Clauses

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

7. Invoicing Instructions

The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

Invoices must be distributed as follows:

- a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
- b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

8. Certifications

8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Quebec.

10. 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;

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- (b) the general conditions 2010A (2015-09-03) - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment
- (e) the Contractor's bid dated _____ (***date will be inserted at contract award***).

11. SACC Manual Clauses

Excess Goods (2006-06-16), B7500C

ANNEX "A" REQUIREMENT

1. TITLE

COMPACT 1064 NM PULSED LASERS

2. BACKGROUND

Defence Research and Development Canada – Valcartier want to purchase two (2) pulsed laser systems emitting at 1064 nm to be integrated in portable modules that will be used outside. The lasers must be compact, light, robust (built to be used outside) and must meet minimum requirements for the energy per pulse and beam quality.

3. ACRONYMS

cm:	Centimeter
Hz:	Hertz
kg:	Kilogram
m:	Meter
mrad:	Millirad
mJ:	Millijoule
mm:	Millimeter
nm:	Nanometer
PRF	Pulse Repetition Frequency
V:	Volt

4. APPLICABLE DOCUMENTS & REFERENCES

None

5. REQUIREMENTS

5.1 Compact 1064nm pulsed laser

Required quantity: 2

The Contractor must provide pulsed lasers with the following specifications:

Specifications	Value
Dimensions of the laser head:	Volume $\leq 2000 \text{ cm}^3$
Weight of the laser head:	$\leq 2 \text{ kg}$
Dimensions of the laser power supply:	Volume $\leq 35000 \text{ cm}^3$
Weight of the laser power supply	$\leq 20 \text{ kg}$

Power supply type	1 laser system with a freestanding power supply 1 laser system with a 19-inch rack power supply (rack-mount).
Cooling of the laser system:	Air cooling or close loop water cooling
Length of the cables between power supply and laser head	≥ 3 m
Wavelength	1064 nm
Laser beam divergence	≤ 10 mrad at $1/e^2$
Laser pulse width	Between 5 to 20 ns
Motorized variable laser beam attenuator	Variable output energy between at least 10% to 70% of the maximum laser energy
Energy per pulse of the laser beam output without the variable attenuator:	≥ 75 mJ at 20 Hz
Pulse repetition rate:	Variable between at ≤10Hz to ≥20 Hz
Beam diameter:	≤ 8 mm (measured at full width at half maximum)
Operating temperature	At least between 15 and 30 degrees Celsius
Electrical service	110-120V or 200-240V at 50-60 Hz
Laser pulse synchronization	Internally and externally

5.2 Accessories

The Contractor must provide the following accessories for requirement 5.1:

Description	Required quantity
The contractor must provide user's manual and technical data in French or in English when delivering the laser system.	2 (one per laser system)
The contractor must provide calibration certification when delivering the laser system.	2 (one per laser system)

6. Deliverables

Number	Requirement Reference	Description of the Deliverables	Quantity and Format
6.1	5.1	The contractor must deliver a functional pulsed laser systems emitting at 1064 nm as described in Section 5.1 " Compact 1064nm pulsed laser " having a freestanding power supply .	1
6.2	5.1	The contractor must deliver a functional pulsed laser systems emitting at 1064 nm as described in Section 5.1 " Compact 1064nm pulsed laser " having a 19-inch rack power supply (rack-mount) .	1
6.3	5.2	The contractor must provide user's manual and technical data when delivering the laser systems.	2 (one per laser system)
6.4	5.2	The contractor must provide calibration certification when delivering the laser systems.	2 (one per laser system)

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7. DATE OF DELIVERY

Deliverable 6.1: Within 4 months after contract award.

Deliverable 6.2: Within 4 months after contract award.

Deliverable 6.3: With the delivery of the deliverable 6.1 and 6.2.

Deliverable 6.4: With the delivery of the deliverable 6.1 and 6.2.

8. Language of Work

French or English

ANNEX "B"

BASIS OF PAYMENT

Deliverable	Description	Brand/Model	Firm Unit Price	Quantity	Total
6.1	The contractor must deliver a functional pulsed laser systems emitting at 1064 nm as described in Section 5.1 " Compact 1064nm pulsed laser " having a freestanding power supply.		_____ \$	1	_____ \$
6.2	The contractor must deliver a functional pulsed laser systems emitting at 1064 nm as described in Section 5.1 " Compact 1064nm pulsed laser " having a 19-inch rack power supply (rack-mount).		_____ \$	1	_____ \$
6.3	The contractor must provide user's manual and technical data when delivering the laser systems.	N/A	_____ \$	2 (one per laser system)	_____ \$
6.4	The contractor must provide calibration certification when delivering the laser systems.	N/A	_____ \$	2 (one per laser system)	_____ \$
*GRAND TOTAL:					

* FAB Destination, Customs duties are included and Applicable Taxes are extra.