



RETURN BIDS TO:

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PWGSC

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NA

Québec

NA

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

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

Issuing Office - Bureau de distribution
TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

Title - Sujet Studies and developments in HPL Studies and developments in High Power Laser applications	
Solicitation No. - N° de l'invitation W7701-227440/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client W7701-22-7440	Date 2022-08-30
GETS Reference No. - N° de référence de SEAG PW-\$QCL-054-18340	
File No. - N° de dossier QCL-1-44169 (054)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2022-09-13 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Boisclair, Daniel	Buyer Id - Id de l'acheteur qcl054
Telephone No. - N° de téléphone (418) 571-8051 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Title : Studies and developments in High Power Laser applications for the advancement of Canadian directed energy systems

AMENDMENT 002

The purpose of this amendment is to:

- Allow Bidders to use subcontractor equipment to comply with requirements of the bid solicitation that refer to High Power Lasers.

1. At Attachment 1 to Part 4 of the Bid Solicitation, section 1. Mandatory Technical (MT) Criteria, criterion MT2:

DELETE:

Delete criterion MT2 in its entirety

REPLACE BY:

MT2	<p>The Bidder must demonstrate that he has High Power Lasers (HPL)¹ that qualify for each HPL¹ category and that are available at his premises or at subcontractor facilities. A total of four (4) HPL¹ (one in each category) must be proposed in the bid. The HPL categories are listed in <i>Table 1 - High Power Laser (HPL)¹ Categories</i> in Attachment 1 to Annex A.</p> <p>In order to demonstrate its compliance with this criterion, the Bidder must provide the following information for each proposed HPL¹:</p> <ul style="list-style-type: none">(a) HPL¹ model number(b) Manufacturer(c) Date of production(d) Technical specifications attesting eligibility (see <i>Table 1</i>)(e) Operation by a remotely-controlled robotic arm (if applicable, see <i>Table 1</i>)	Pass or Fail
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2. At Attachment 1 to Annex A:

DELETE:

Delete Attachment 1 to Annex A in its entirety

REPLACE BY:

HIGH POWER LASER CATEGORIES

The Contractor must have the four (4) High Power Lasers (HPL)¹ listed in *Table 1* available at its premises **or at subcontractor facilities**. To be eligible, a HPL must meet all the criteria of a given category:

Table 1 - High Power Laser (HPL) Categories						
Category	Type of laser	Maximum Averaged Power	Pulse Duration	Maximum Pulse Energy	Central Wavelength	Robotic manipulation
1	Continuous Wave	≥ 16 kW	N/A	N/A	≥ 1060 nm and ≤ 1095 nm	YES
2	Pulsed	≥ 200 W	≤ 300 ns	≥ 10 mJ	≥ 1060 nm and ≤ 1095 nm	NO
3	Pulsed	≥ 15 W	≤ 25 ps	≥ 100 µJ	≥ 1060 nm and ≤ 1095 nm	NO
4	Pulsed	≥ 15 W	≤ 500 fs	≥ 15 µJ	≥ 1015 nm and ≤ 1045 nm	NO

¹ *High Power Lasers (HPL)*: a laser beam whose average power is 1000 W or higher or whose peak power is 1 MW or higher.

**** ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME ****