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Bid Receiving Public Works and Government
Services Canada/Réception des soumissions/Travaux
publics et Services gouvernementaux Canada
See herein for bid submission
instructions/

Voir la présente pour les
instructions sur la présentation
d'une soumission

NA
Alberta

**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
Public Works and Government Services / Travaux
publics et services gouvernementaux
Canada Place/Place du Canada
Suite 1000
10th Floor/10e étage
9700 Jasper Ave/9700 ave Jasper
Edmonton
Alberta
T5J 4C3

Title - Sujet Tunable Laser	
Solicitation No. - N° de l'invitation 31970-207861/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client 31970-207861	Date 2020-11-20
GETS Reference No. - N° de référence de SEAG PW-\$EDM-206-11920	
File No. - N° de dossier EDM-0-43099 (206)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Mountain Standard Time MST on - le 2020-11-26 Heure Normale des Rocheuses HNR	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Brent Peters	Buyer Id - Id de l'acheteur edm206
Telephone No. - N° de téléphone (780) 235-8279 ()	FAX No. - N° de FAX (780) 497-3510
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

This amendment is issued to extend the closing date of this solicitation to that which is indicated on the cover page and to make the following changes:

On page 6 of 15, delete "6.4.2 Delivery Date" in its entirety and replace with the following:

6.4.2 Delivery Date

The mandatory delivery date is on or before 14 weeks from date of contract award.

On pages 11,12 of 15, delete "Annex A - Requirement" in its entirety and replace with the following:

ANNEX A REQUIREMENT (Revised Nov. 23, 2021)

1.0 Background

The National Research Council of Canada (NRC) Nanotechnology Research Centre has a requirement for one (1) Tunable Laser to be delivered to Edmonton, Alberta. The installation and configuration by a Contractor are not required. The Laser will be used for supporting internal research projects.

All deliverables must be received on or before 14 weeks from date of contract award.

2.0 Minimum Mandatory Technical Specifications

Spec. #	Description
2.1	Wavelength Tuning Range: 1500-1630nm
2.2	Wavelength Setting Resolution: 0.1pm
2.3	Absolute Wavelength Accuracy: $\leq \pm 5\text{pm}$
2.4	Wavelength Repeatability (typ): $\leq \pm 2.5\text{pm}$
2.5	Wavelength Stability (typ.): $\leq \pm 1\text{pm}$
2.6	Sweep Speed lower value/upper value: (0.5 or 1 nm/s) / (100 or 200 nm/s)
2.7	Output Power, Peak / Full Range: $\geq 13\text{dBm}$ / $\geq 10\text{dBm}$
2.8	Power Repeatability / Stability: $\pm 0.01\text{dB}$ / $\pm 0.01\text{dB}$
2.9	Power Flatness vs. Wavelength: $\pm 0.25\text{dB}$
2.10	Relative Intensity Noise (RIN): ≤ -145 (1 MHz-3 GHz) dB/Hz
2.11	Linewidth Coherence Off / On: ≤ 200 kHz / ≤ 100 MHz
2.12	Side Mode Suppression Ratio: $\geq 45\text{dB}$
2.13	Signal to Total Source Spontaneous Emission Ratio: $\geq 70\text{dB}$

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31970-207861/A
Client Ref. No. - N° de réf. du client
31970-207861

Amd. No. - N° de la modif.
003
File No. - N° du dossier
EDM-0-43099

Buyer ID - Id de l'acheteur
EDM206
CCC No. - N° CCC /FMS No. - N° VME

2.14	Signal to Source Spontaneous Emission Ratio: $\geq 90\text{dB}$ / 0.1nm
2.15	Optical Output Connector: FC / APC
2.16	Optical Fiber: PMF
2.17	Communication: GP-IB (IEEE 488.2), USB, RS-232C
2.18	LF Modulation: DC to 400kHz
2.19	RF Modulation: 2 to 100MHz

3.0 Deliverables

No.	Description	Qty.
3.1	Tunable Laser as described in 2.0	1 each

4.0. Delivery Location

National Research Council Canada (NRC)
Nanotechnology Research Centre
11421 Saskatchewan Drive
Edmonton, Alberta, T6G 2M9, Canada

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME