



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving - PWGSC / Réception des soumissions -
TPSGC

11 Laurier St. / 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

Gatineau, Québec K1A 0S5

Bid Fax: (819) 997-9776

**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

Science Procurement Directorate/Direction de
l'acquisition de travaux scientifiques
Terrasses de la Chaudière, 4th Flo
10 Wellington Street
Gatineau
Quebec
K1A 0S5

Title - Sujet LEAP Science Instruments	
Solicitation No. - N° de l'invitation 9F052-200589/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 20200589	Date 2021-03-15
GETS Reference No. - N° de référence de SEAG PW-\$\$ST-048-39153	
File No. - N° de dossier 048st.9F052-200589	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2021-09-30 Heure Avancée de l'Est HAE	
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: Abbasi, Sameer Ali	Buyer Id - Id de l'acheteur 048st
Telephone No. - N° de téléphone (873) 354-4921 ()	FAX No. - N° de FAX (819) 956-2675
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

Solicitation No. - N° de l'invitation
9F052-200589/A
Client Ref. No. - N° de réf. du client
9F052-200589

Amd. No. - N° de la modif.
001
File No. - N° du dossier
048st.9F052-200589

Buyer ID - Id de l'acheteur
048st
CCC No./N° CCC - FMS No./N° VME

This amendment is raised to address the following:

- For administrative purposes only.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME



Letter of Interest (LOI)

LUNAR EXPLORATION ACCELERATOR PROGRAM (LEAP) SCIENCE INSTRUMENT

1. Purpose and Nature of the Letter of Interest (LOI)

Public Works and Government Services Canada (PWGSC), on behalf of the Canadian Space Agency (CSA), is releasing this Letter of Interest (LOI) to inform industry of upcoming procurement activities related to the Lunar Exploration Accelerator Program (LEAP).

The CSA would like to inform industry that in support of the science instrument project element of the LEAP portfolio, a Request for Proposal (RFP) is being planned for release by PWGSC in the Fall of 2021. In addition, the CSA would like to inform industry of the anticipated budget for the science instrument project element of the LEAP portfolio. PWGSC is not requesting any specific comments or feedback from industry as part of this LOI.

This LOI is neither a call for tender nor an RFP. No agreement or contract will be entered into based on this LOI. The issuance of this LOI is not to be considered in any way a commitment by the Government of Canada, nor as authority to potential respondents to undertake any work that could be charged to Canada. This LOI is not to be considered as a commitment to issue a subsequent solicitation or award contract(s) for the work described herein.

There will be no short-listing of potential suppliers for the purposes of undertaking any future work as a result of this LOI.

2. Background Information:

On February 28, 2019 the Government of Canada announced a new Lunar Exploration Accelerator Program, or LEAP, with an investment of \$150M over five years. LEAP will support space technology development and in-space demonstration, as well as science missions. Its aim is to expand and prepare Canada's space sector, particularly small and medium sized enterprises, for future exploration missions by offering technology development, science and mission opportunities in lunar orbit, on the Moon's surface, or further into deep space.

Further details on the LEAP program are available at the following link: <https://www.asc-csa.gc.ca/eng/funding-programs/programs/leap/about.asp>.





On May 7, 2020, PWGSC, on behalf of the CSA, [released a Letter of Interest \(LOI\)](#)¹ to inform industry that an RFP for the Phase 0 activities portfolio was being planned for release by PWGSC in support of the science instrument project element of the LEAP portfolio.

On June 26, 2020, PWGSC [released an RFP](#)² on behalf of the CSA to acquire services to conduct Phase 0 studies for the development of scientific instrument as part of LEAP.

On September 21, 2020, the CSA [presented an update](#)³ of LEAP at an event held by the Satellite Canada Innovation Network. The presentation focused on ongoing elements of the LEAP Science & Technology Portfolio, including lunar science/technology payloads that are planned to be flown in collaboration with NASA's [Commercial Lunar Payload Services \(CLPS\)](#)⁴ program. Further details on this event and the LEAP update are available at the following link: <https://www.satellitecanada.org/satcan-events>.

On November 26 and November 27, 2020, PWGSC, on behalf of the CSA, [awarded six contracts](#)⁵ to acquire services to conduct Phase 0 studies for the development of scientific instrument as part of LEAP.

No further information is available to share with industry and academia at this time and any questions must only be submitted through PWGSC if and when an RFP is released.

3. Potential Work Scope and Constraints:

The scope of the LEAP lunar science instrument project is planned for one or maximum two instruments that would most likely be mounted on landers (maximum mass of 10 kg) and/or orbiters (maximum mass of 15 kg, to be confirmed), and/or potentially a lunar rover (maximum mass of 10 kg, to be confirmed).

The objective of the Phase A work will be to demonstrate and confirm the feasibility, value and benefits of the instrument for a space mission to the Moon, and to demonstrate the validity of the mission requirements as well as the development of the system requirements. Phases B, C, and D would be the preliminary, detailed and implementation phases respectively of the instrument project whereas Phase E would be the operations phase.

It is anticipated that the overall budget will be limited to a maximum of \$11M (Applicable Taxes extra) over 4.5 years for phases A to E of the LEAP Science Instrument project excluding a \$4M (Applicable Taxes extra) for science support requirements. This overall budget is for the Life Cycle Costs (LCC) of the entire mission, including design, building, testing, operating, maintaining and disposal.

1 https://buyandsell.gc.ca/cds/public/2020/05/07/35fcb31d123044181dbca1f9ea5a0b7a/ABES.PROD.PW__ST.B005.E37772.EBSU000.PDF

2 <https://buyandsell.gc.ca/procurement-data/tender-notice/PW-ST-048-38063>

3 <https://www.satellitecanada.org/satcan-events>

4 <https://www.nasa.gov/content/commercial-lunar-payload-services>

5 <https://buyandsell.gc.ca/procurement-data/tender-notice/PW-ST-048-38063>





The above budget is provided for planning purposes only and is subject to change by Canada at any time.

This LOI may be amended periodically as new information becomes available.

The [Canadian Content Policy](#)⁶ is expected to apply to this requirement. If applicable, Canada intends to limit the requirement to Canadian goods and services.

4. Schedule:

The following schedule should be utilized as an anticipated baseline:

- Letter of Interest (LOI): Closing on September 30, 2021
- RFP posting: Fall 2021
- Contract Award: Winter 2022
- Flight opportunities To begin in 2024 (to be confirmed)

The above schedule is provided for planning purposes only and is subject to change or cancellation by Canada at any time.

5. Important Notes to Respondents:

Any questions related to this LOI must only be directed to the PWGSC Contracting Authority, identified below, via email:

Sameer Ali Abbasi
Contracting Specialist
Public Works and Government Services Canada
Acquisitions Branch
Space Programs and Procurement Directorate
Address: 10 Wellington Street
Gatineau, Quebec
K1A 0S5

Telephone: 873-354-4921

E-mail: sameerali.abbasi@tpsgc-pwgsc.gc.ca

Changes to this LOI may occur and will be advertised on the Government Electronic Tendering System. Canada asks Respondents to visit Buyandsell.gc.ca regularly to check for changes, if any.

⁶ <https://buyandsell.gc.ca/policy-and-guidelines/supply-manual/section/3/130>

