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NA

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**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

Travaux publics et Services gouvernementaux Canada
Place Bonaventure, portail Sud-Oue
800, rue de La Gauchetière Ouest
7^e étage, suite 7300
Montréal
Québec
H5A 1L6

Title - Sujet Clinical Trial infrastructure Clinical Trial Material Facility, at NRC	
Solicitation No. - N° de l'invitation EF944-212568/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client R.115859.001	Date 2021-05-11
GETS Reference No. - N° de référence de SEAG PW-\$MTC-560-16148	
File No. - N° de dossier MTC-1-44017 (560)	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 2021-05-20 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: Ghali, Camille	Buyer Id - Id de l'acheteur mtc560
Telephone No. - N° de téléphone (514) 607-2190 ()	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

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Clinical Trial Material Facility, at NRC

AMENDMENT No. 1

Following the bidders' conference which took place on Friday 7th, this amendment aims to extend the closing date of this call for tender and to clarify a few points or to answer some questions in response to the questions received during the call for tender:

Remove:

Date closing

2021/05/13 2:00PM Eastern Daylight Time (EDT)

Insert:

Date closing

2021/05/20 2:00PM Eastern Daylight Time (EDT)

Q1: According to SRE 3.1.1 Licensing, Certification or Authorization.

Can you please clarify if the proponent firm can be an engineering firm licensed in Quebec with subconsultants covering all other disciplines or does in need to be a joint venture? To be clear, does the proponent need to be an AE firm?

A1 : The lead proponent does not need to be an A and E firm, see modified section EPEP 3.1.1. However, the proponent has to demonstrate proven experience designing a GMP compliant manufacturing facility, as outlined in the selection criteria 3.1.2.

Q2: Bilingual at all the stages or at RS4?

A2 : For steps RS1 to RS3, the documents will be written in the language chosen by the consultant. From steps RS4, all documents that will be made public will be bilingual. From the construction, communications will be carried out in the language chosen by the construction manager. as per supplementary clause SC2 – LANGUAGE REQUIREMENTS.

Q3: The conceptual study includes a budget estimate for the project. Is it confirmed and approved?

A3 : No. Nothing is approved nor confirmed. The documents reflect potential design options and opinions on the costs associated with those options. Neither the design concepts nor the associated costing information should be taken as reflective of the current project.

Q4: Does the joint venture have to be registered before submitting bids?

A4 : For the bidding, no need to have a legally incorporated joint venture (new legal entity). For the contract award, it is required is a Joint Venture PEN (which is done with SRI) who request the #GST / HST of one of the members of the joint venture.
The Supplier Registration Information (SRI) system; [Introduction - Supplier Registration Information - Buy and Sell - Public Works and Government Services Canada \(contracts.canada.gc.ca\)](https://contracts.canada.gc.ca)
To obtain a Procurement Business Number (PBN), you must first have a Canada Revenue Agency (CRA) Business Number (BN), or a Goods and Services Tax/Harmonized Services Tax (GST-HST) number, and your Legal Name as registered with CRA.

Q5: You mention a separate tender for construction management services. When will it be available? and is it possible to participate in both offers for the same company?

R5 : The tender date for the construction management has not been determined yet. A company can participate in both tenders (A&G and construction management services), but the same company cannot be awarded both contracts due to conflict of interest and unfair advantage.

A specific clause will cover the issue of conflict of interest and unfair advantage in the request for proposal for construction management services.

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Q6: Does the proponent have to be a joint venture? or can it be a prime consultant A or E hiring sub-consultants? Can a subconsultant be on several bidders?

A6 : The proponent does not have to be a joint venture. Please see modification Q1 provided in this addendum. A subconsultant can be on several bids.

Q7: Are the services of the construction economist engaged by PSPC?

A7 : The services of the construction economist must be included in the present consultant's bid as requested throughout the request for proposal.

Q8: Will all questions and answers be in writing?

A8 : Yes, all questions and answers will be in writing.

Q9: Is an extension possible?

A9 : The closing date has been extended till May 20th, 2021 2PM

Q10: In order to come back to the budget / scope of the project. The answer said that in the end there was no established budget and that the scope was established in the URB, so the question is: is the scope clearly established in order to be able to define our fees and the scope of our service? You say that the proposed concept is not necessarily the solution, on what should we base our services?

A10 : The scope of the current project encompasses final conceptual design/basis of design, detailed design and site design support for a GMP compliant facility that conforms to the specifications

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detailed in the URB. Further details of the specific expectations for these services are outlined in the RFP. Previous concept documents are provided for historical perspective only and should not be taken as representative of the final design.

Q11: Given the urgency and given the extension, the unknowing design that is not yet complete, for example the construction partner that is not yet chosen, is there some openness from Canada to modify the method of iteration from lump sum to a time and material basis, given the extent of the unknowns and the urgency around it what seems consistent with the approach of construction management, but also with the services provided to support that construction?

A11: We consider that the documents provided as well as the URB describe sufficiently the required services for this project so that a lump sum price can be provided for this tender. If additional details are required in order to submit a proposal, please advise the Contractual Authority.

Other amendments

01

Remove section SRE 3.1.1 and replace by:

3.1.1 Licensing, Certification or Authorization

The proponent, as a firm, joint venture or as a firm with mandated Sub-Consultants, must be authorized to provide architectural and multidisciplinary engineering services, licensed, or eligible to be licensed, certified or otherwise authorized to provide the necessary professional services to the full extent that may be required by provincial law in force in the province of Quebec, at time of work.

02

In Appendix E Article PD 3.6 Building Connectivity Components (BCCs) insert after 2nd paragraph

Furthermore, the Design Team must assess the level of automation needed for the facility as well as design the automation network architecture in correlation with GMP requirements and Government of Canada security levels, when applicable and with the concerned parties. The GMP IT automation is not only essential for meeting functional and operational but also user requirements. The GMP IT automation is to set the stage for the development of the overall building IT systems and connectivity architecture in subsequent design and development phases.

03

In Appendix F Article RS 8 COMMISSIONING THE FACILITY insert after 2nd paragraph

GMP requirements and the GMP aspects defined in the deliverables of the projects and the project's design intent shall determine the process for facility commissioning. This GMP commissioning Plan or/and activities shall take precedence over other non-GMP commissioning activities related to the project unless it is in conflict with any specific regulations or Government of Canada requirements. The Consultant's Commissioning Manager shall coordinate with other site support design or commissioning, qualification and validation (CQV) professionals supporting the project and contribute to activities to assemble and finalize the GMP commissioning documentation.

04**Remove in Appendix F- RS6.3.23 g) and replace by:**

g) Submit drawings that comply with certain elements of the CADD standard in a manner that allows for measurement to the approved BIM Management Plan (BMP) graphic standard (refer to SR9), within 8 weeks of final acceptance of the Work. Refer to Appendix F - PA1.1 for format and quantity.

05**Remove in Appendix F article RS 9 Building Information Modeling (BIM) and replace by:****RS 9 Building Information Modeling (BIM)****9.1 General**

For this project, Building Information Modelling (BIM) is one of the building design visualization tools used in the Integrated Design Process (IDP) by focusing the work of all stakeholders on the designs and options presented and the analysis of all project data. The data thus centralized within the digital models are used to document design decisions, as well as to visualize the future building in 3D. BIM brings together all the project players throughout the design process, the tender process (for all packages) and construction, all in collaboration with the CM.

The Consultant is responsible for overseeing the entire BIM effort.

The application of BIM to the project must address, but is not limited to, the following aspects:

- Serve as a design support and concept validation tool for monitoring client functional requirements by synchronizing data between modelling and the functional and technical requirements deliverable (FTP).
- Serve as a communication and visualization tool during design review workshops to stimulate exchanges and optimize decision making.
- Serve as an interdisciplinary coordination tool throughout the design process until the construction tenders and during the construction period to identify potential conflicts between components specified by different design trades and their contract documents.
- Produce the required plan specifications for each package at the various stages of the project.
- Meet other objectives in the *BIM Management Plan* (BMP) – see Appendix E – Schedule 2.

The Consultant team must review and understand the BMP and help to refine it during the project's MDB management meetings. The BMP will establish, among other things, the methods

of collaboration, the level of modeling detail, and the objectives to be achieved for the success of the project. See Appendix E - Schedule 2

The working methods of the various stakeholders, including the Consultant and his or her sub-consultants, will be documented in the *BIM Implementation Plan* (BIP). These methods must be adjusted to the needs of the project so that the BIM provides real added value to the work of the Consultant and CM.

The Consultant must assist the Lead BIM Manager and participate actively and in close collaboration with all stakeholders involved as well as the CM, in the project's MDB management meetings, to meet the project deliverables.

He or she must also, but not limited to:

- For each of the trades, designate a BIM Manager who will be the Lead BIM Manager's main contact for planning and deploying the BIM approach.
- Deploy and ensure compliance with the BIM approach on his or her team, in accordance with the BMP.
- Provide the CM and his or her subcontractors with design models to optimize the constructability analysis, which includes systems coordination, as well as work planning and monitoring.
- Plan 2D (AutoCAD) and 3D (native format Revit) renderings, according to what is stipulated in the BMP, at all stages of RS2, RS3 RS4 RS5 and RS6 deliverables. Between each rendering, the DR and client's technical reference will provide feedback that must be incorporated into the models produced.
- The Consultant will establish a graphic standard that will be defined according to the needs of the measurements agreements. This standard will be defined during project's MDB management meetings with the Consultant. This graphic standard shall be explained in the BIM Implementation plan (BIP) that the Consultant will provide to meet the BIM requirements expressed in the BIM management plan (BMP).
- All drawings issued shall be submitted in 2D (AutoCAD) format. These drawings shall meet certain CADD elements according to the approved graphics standard.
- The professionals will be required to produce signed and sealed plans for submission and construction (2D). The 2D documents must be extracted directly from the BIM models and transmitted in both paper and PDF formats. These documents will be the contract documents. The 3D models will be used for design and construction. Specialized contractors will be able to refer to them for a better understanding when submitting their bid. If there are conflicting elements, the 2D documents take precedence over the models.
- Participate in meetings to update the BMP.
- Participate in coordination and BIM meetings.

9.2 *Lead building information modelling (BIM) Manager*

The Consultant may use an external firm or in-house resource for the Lead BIM Manager. However, this resource must be a different person than the Consultant's or the sub-consultants' BIM manager. The Lead BIM Manager must, as part of the project, set up a reference framework in accordance with the BIM objectives established in the BIM Management Plan (BMP), ensure its application and perform quality control throughout the project development process, in collaboration with the DR.

He or she must also produce a general schedule of BIM activities and deployment steps to meet the deliverables stipulated in the BMP.

The prime consultant must provide the necessary staff to carry out this mandate. At a minimum, he or she must designate a Lead BIM Manager whose responsibilities are defined in section 3.2.2 of the BMP see Appendix E- Schedule 2, as well as BIM managers for each of the disciplines whose responsibilities are defined in section 3.2.4 of the BMP see Appendix E- Schedule 2.

9.3 *BIM Management Plan (BMP) provisions– see Appendix E – Schedule 2*

- a. The purpose of these provisions is to establish rules and terms and conditions for the development, use, transmission and exchange of digital data for the project, including for the creation and management of digital data, the production of digital models, and coordination throughout the BIM process.
- b. The parties agree to integrate these rules and terms into their relationships with other stakeholders involved in the project's BIM approach who may make use of this digital data. Before transmitting or allowing access to digital data, a party to the BIM Agreement may require another party involved in the BIM approach to provide reasonable and tangible evidence that it has incorporated these rules and terms into any contractual agreement with a subcontractor or third party involved in the project.
- c. The Consultant is required to deliver a model with a level of development that will be defined in the information exchange matrix and an appropriate level of information with the objective of reducing change requests during the delivery phase. The working methods of the various stakeholders are documented in the BMP. The Consultant must then read it, understand it and improve it at the project's BIM management workshops. These methods must be adjusted to the needs of the project so that the BIM provides real added value to the work of the Consultants and the CM as well as to the project deliverables (including those in this contract).
- d. During the period prior to the BIM agreement:

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If a party to the BIM agreement receives a digital model or model before the BIM agreement is signed, that party must use, transmit or rely on such digital data with caution. In this context, any use or transmission, in particular of such model or model, is carried out without liability to the communicating party, nor to its Consultants, subcontractors, agents and employees. Upon signing the BIM agreement, each of the signatories must take the appropriate steps to adjust the digital data created and processed in advance in accordance with the rules and procedures set out in the BIM agreement.

e. During the period after the BIM agreement:

After the BIM agreement has been signed, if a party to the BIM agreement uses or relies on a digital model or model for any purpose other than the authorized uses identified in the BIM agreement, such use is at the risk of the receiving party. A party to the BIM agreement may rely on a model or model only in accordance with the level of development (LOD) identified in the BIM agreement depending on the progress of the project, even if the content of a model or model element includes data that exceeds that LOD.

- All other terms and conditions remain unchanged –