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Public Works and Government Services Canada
Canada Place/Place du Canada
10th Floor/10e étage
9700 Jasper Ave/9700 ave Jasper
Edmonton
Alberta
T5J 4C3
Bid Fax: (418) 566-6167

**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 Canada
Canada Place / Place du Canada
10th Floor / 10e étage
9700 Jasper Ave / 9700 ave Jasper
Edmonton
Alberta
T5J 4C3

Title - Sujet Consultant Services - Central Heati Central Heating Power Plant, Stony Mountain, Manitoba	
Solicitation No. - N° de l'invitation ET025-221305/A	Amendment No. - N° modif. 006
Client Reference No. - N° de référence du client CSC ET025-221305	Date 2022-02-01
GETS Reference No. - N° de référence de SEAG PW-\$PWU-201-12187	
File No. - N° de dossier PWU-1-44080 (183)	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 2022-02-08 Heure Normale des Rocheuses HNR	
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: Tikhonovitch (RPC), Alex	Buyer Id - Id de l'acheteur pwu183
Telephone No. - N° de téléphone (780) 901-7940 ()	FAX No. - N° de FAX (418) 566-6167
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 has been raised to respond to the following questions and make solicitation changes:

Question #1: Item 3.2.3 on page 30 of the RFP asks for the “achievements of Key Personnel on Projects”. Do the Key Personnel include the “required subconsultants, but not evaluated” listed on page 28 (Fire Protection Engineer, Geotechnical, Commissioning, Cost Estimating Specialist and Topographical Surveyor)?

Answer #1: Yes

Question #2: Do the Key Personnel only refer to the Proponent and Key Subconsultants (Senior architect, Senior Mechanical Engineer, Senior Electrical Engineer, Senior Structural Engineer and Senior Civil Engineer)?

Answer #2: Item 3.2.2 Achievements of Key Sub-consultants and Specialists on Projects is the only section that limits which sub-consultants/specialists submit example projects: senior mechanical engineer, senior electrical engineer, senior civil engineer and senior structural engineer. ALL others sections apply to the entire team being proposed.

Question #3: The RFP requests that the consulting team carry a fire protection engineer to perform the design. Typically a consultant would have their own in house mechanical engineers who are familiar with fire protection systems provide a sealed schematic design of the overall system. During tender a contractor would then have their in house staff do their own layouts and provide sealed drawings as a shop drawing. Is this approach acceptable for this project?

Answer #3: Yes, typically the Successful proponent writes the specs, and the General Contractor’s sprinkler sub-contractor hires their own FPE for the design (hydraulic calculation, sprinkler drawings etc.).

Question #4: 3.2.2. of the Rated Requirements states that sub-consultant Civil Engineer must provide 2 examples of projects undertaken in the last 7 years related to central heating and power plants. It is our view that civil engineers should not be restricted to power plant experience only. Local knowledge and expertise with utility providers and authorities and with large sites will be better suited for this RFP. Can we ask that this be given appropriate consideration within this RFP?

Answer #4: Proponents should provide example projects completed in the past 7 years that most closely relate to the type and complexity of services related to Central Heating and Power Plants. The examples/experience will be evaluated based on the relevance to this project.

Question #5: What is the scope of commissioning required? We would assume at a minimum that mechanical (HVAC, plumbing, fire suppression), electrical (distribution, metering, lighting, fire alarm) and associated integration + controls for both the building and central plant process will be included – however other systems such as building envelope, security, communications, other(?) are not ‘standard’ and we should clarify.

Answer #5: Refer to TOR Section 2.4 Commissioning Services. Provide Commissioning service in accordance with CAN/CSA Z320-11 (R2016).

Question #6: Is the scope of the geotechnical investigation to drill test holes at all 4 proposed sites or just at the final site location?

Answer #6: Refer to TOR Section 2.6.2.8. The Geotechnical Investigation is expected to be completed once the final location of the New CHPP and utility routing is finalized.

Question #7: Would the client prefer having this project in BIM ? I ask because fees tend to be higher at the outset when using BIM.

Answer #7: Refer to Section 2.7.2.6.4 of the TOR and Section 2.3 of the Doing Business with PWGSC document. The complexity of equipment, piping and infrastructure will require a high level of coordination between disciplines to design an effective and efficient spatial layout.

Question #8: Is the water reservoir storage capacity sufficient for fire protection or is additional reservoir capacity required? Would additional fire storage be outside the scope of work? At the moment, water reservoir capacity is sufficient for the existing fire pump system.

Answer #8: Successful proponent to verify based on any upgrades included under this TOR.

Question #9: Are as-builts available for the existing water, wastewater and other underground utilities? Existing drawings will be provided to the successful proponent, however, they cannot be relied upon.

Answer #9: To be verified by successful proponent.

Question #10: Resident inspection services are typically full time for underground piping works. The extent of utilities and underground piping will be dependent the selected locations therefore the hours for inspection services will vary based on the site. Please confirm if full time inspection is required for underground piping works and the anticipated number of inspection hours to be included in the fees.

Answer #10: New services are expected to be in tunnels or utilidors. Any existing sewage and water ty-ins are the only expected underground piping works.

Question #11: What is the size of the existing Main transformer that provides power to the facility?

Answer #11: Successful proponent to verify with Manitoba Hydro.

Question #12: Is the plan to replace the main transformer, to better facilitate the transfer of loads from the existing power house to the new power house?

Answer #12: Yes, a new primary feed must be in place prior to the transfer of power from the old to new CHPP.

Question #13: Approximately how many loads are fed from the existing power house such as motors and distribution panels?

Answer #13: To be verified by successful proponent.

Question #14: What is the main distribution voltage of the facility? 600V?

Answer #14: To be verified by successful proponent.

Question #15: Are the existing loads from the existing power house to be refeed from the new power house to have new power cable run to them or can these cables be spliced?

Answer #15: See Addendum 01 below

Question #16: In the "Doing business with PWGSC" item 3.1.1 Format indicates that the format shall be in elemental analysis format in accordance with the CIQS. It mentions that within the Quebec region estimates shall be Uniformat II. Then when you review the TOR the various estimate classes mention UniFormat 2010. See 2.6.3.12, 2.7.2.16, 2.8.2.14 and 2.9.3.4?

Answer #16: TOR takes precedence.

Question #17: Section 1.4.2 Project delivery indicates that the consultant is to provide full coordination of services with other consultants engaged by PWGSC including Environmental and Geotechnical. Other sections indicate that the consultant is to include geotechnical. Please confirm who is providing geotechnical or if the consultant is also required to include environmental. If environmental is required, please indicate the extent of the services that need to be provided.

Answer #17: Given the age of the existing powerhouse, it is possible to encounter hazardous materials while connecting or extending services. The Consultant must be cognizant and advise the Departmental Representative of any suspect hazardous materials observed during design investigations.

Question #18: Some of the options for site locations are in the same location as existing buildings. Is the consultant required to provide design documents for the demolition of these existing buildings or will that be provided by PSPC/CSC?

Answer #18: Demolition documents for existing buildings will not be part of Consultant scope.

TOR Addendum 01

Remove 2.6.2.6 - Initiate Power Transfer Strategy:

Add to section 2.6.2 - Initiate Infrastructure Integration Strategy and update at each milestone:

- Provide document outlining all critical infrastructure/services to be extended or brought in to new building.
- Include list of risks/considerations for bringing infrastructure to new building.
- Indicate timeline and phasing plan of service transfer.
- Provide commentary of most efficient methods of transfer to minimize or eliminate downtime for the Institution.

Add to Section 2.7.2 – Update Infrastructure Integration Strategy.

Add to Section 2.8.2 – Update Infrastructure Integration Strategy.

Add to Section 2.9.2 – Update Infrastructure Integration Strategy at 33%, 66% and 99% submissions.

On page 30 of the Request of Proposal:

Delete:

3.2.4 Understanding of the Project:

The proponent should demonstrate understanding of the goals of the project, the functional/technical requirements, the constraints and the issues that will shape the end product.

Information that should be supplied:

- The functional and technical requirements of this project
- The proponents approach to efficiently managing a team of sub-consultants that are highly specialized in a particular area however they may be geographically dispersed. Describe the process to functionally validate the design prior to releasing 99% complete design package.
- Describe the process to functionally validate the design prior to releasing 99% complete design package.
- Significant issues, challenges and constraints expected during this project
- Project schedule (Gantt Chart) and cost. Validate the Schedule and Costing information provided in the Terms of Reference

Replace with:

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Information that should be supplied:

- The functional and technical requirements of this project
- The proponents approach to efficiently managing a team of sub-consultants that are highly specialized in a particular area however they may be geographically dispersed. Describe the process to functionally validate the design prior to releasing 99% complete design package.
- Describe the process to functionally validate the design prior to releasing 99% complete design package.
- Describe the process to functionally integrate all critical infrastructure/services to be extended from or brought into the new CHPP building.
- Significant issues, challenges and constraints expected during this project
- Project schedule (Gantt Chart) and cost. Validate the Schedule and Costing information provided in the Terms of Reference

All other terms and conditions of the Request For Proposal remain unchanged.