



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving PWGSC / TPSGC reception des soumissions

Victory Building / Édifice Victory

Room 310 / pièce 310

269 Main Street / 269 rue Main

Winnipeg

Manitoba

R3C 1B3

Bid Fax: (204) 983-0338

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 - Western Region

Victory Building/Édifice Victory

Room 310/pièce 310

269 Main Street/269 rue Main

Winnipeg

Manitoba

R3C 1B3

Title - Sujet Engineering Design Services-Nunavut	
Solicitation No. - N° de l'invitation F2470-190036/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client F2470-190036	Date 2019-12-06
GETS Reference No. - N° de référence de SEAG PW-\$PWZ-202-10913	
File No. - N° de dossier PWZ-9-42135 (202)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-12-19	Time Zone Fuseau horaire Central Standard Time CST
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: Thompson, Valerie	Buyer Id - Id de l'acheteur pwz202
Telephone No. - N° de téléphone (204) 509-0349 ()	FAX No. - N° de FAX (204) 983-7796
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DFO-SCH, Harbour Development Arctic Bay and Clyde River, Nunavut	

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

F2470-190030/A

Client Ref. No. - N° de réf. du client

DFO-SCH-190030

Amd. No. - N° de la modif.

004

File No. - N° du dossier

PWZ-9-42105

Buyer ID - Id de l'acheteur

pwz202

CCC No./N° CCC - FMS No./N° VME

1) Amendment 004 is being issued to insert Addendum #4, Clarifications - Questions and Answers, and APPENDIX C - PRICE PROPOSAL FORM "*Revised December 3, 2019*" [3 pages].

All other terms and conditions to remain unchanged.

The following changes to the tender documents are effective immediately and will form part of the contract documents:

1. **Terms of Reference – Section 2.3 – Investigations, Studies and Reports – 2.3.6 – Geotechnical and Material Investigations**

Delete:

2.3.6.2 The Consultant shall plan to undertake geotechnical drilling in key areas where the main harbour structures are to be constructed (fixed wharf, breakwaters, basin and channel dredging) to depths that surpass the design elevations to ensure there is suitable information available to Contractors for constructability evaluations.

Insert:

2.3.6.2 The Consultant shall plan to undertake geotechnical drilling in key areas, such as the quarry, and where the main harbour structures are to be constructed (fixed wharf, breakwaters, basin and channel dredging) to depths that surpass the design elevations to ensure there is suitable information available to Contractors for constructability evaluations.

2. **Terms of Reference – Section 2.8 Additional Services:**

Delete:

2.8.1.3 Optional Services:

2.8.1.3.1 Tender Call, Bid Evaluation and Construction Contract Award

2.8.1.3.2 Construction and Contract Administration

Insert:

2.8.1.3 Optional Services:

2.8.1.3.1 Tender Services

1) General

- a) Support the Departmental Representative with the tender.
- b) The Contract Authority for this project is the PWGSC Real Property Contracting (RPC) branch.

- c) Tendering will use the Public Works and Government Services internet procurement system (<https://buyandsell.gc.ca>)

2) Scope and Activities

- a) When requested, the Consultant will be required to:
 - 1. Provide the Departmental Representative with information required by bidders to interpret construction documents;
 - 2. Prepare addenda in response to all questions within two (2) business days during the bidding period and submit to the Departmental Representative
 - 3. Attend pre-tender site visits
 - 4. During Bid Review and Analysis assist the Departmental Representative as required by analyzing and recording any differences between pre-tender estimates and submitted bids.

3) Deliverables

- a) Addenda as required
- b) Written responses to questions during the tender period as required
- c) Bid analysis and/or recommendations

2.8.1.3.2.2. Construction Support Services

1) General

- a) Provide technical support to the Departmental Representative during the construction phase to meet the project requirements.

2) General Services

- a) Review shop drawings, test reports and other submissions
- b) Provide additional drawings to clarify, interpret or supplement the contract documents
- c) Provide timely technical advice on all disputes and claims
- d) Provide timely technical advice on Contemplated Change Notices (CCNs) and Change Orders (COs)
- e) Provide timely technical advice on all inquiries by Departmental Representative
- f) Provide site inspections, including sign-off, at key points of construction as approved by Departmental Representative
- g) Assist the Departmental Representative to prepare the Certificate of Substantial Completion with list of deficiencies and provide sign-off, including Site Inspection

3) Deliverables

- a) Approved shop drawings, test reports/certificates and other submissions.
- b) Clarifications and Supplemental Instructions
- c) Written technical advice on disputes and claims
- d) Written technical advice on CCNs and COs
- e) Written technical advice on inquiries by Departmental Representative
- f) Inspection reports, including sign off, at key points of construction
- g) Substantial Completion Inspection report with list of deficiencies, including sign-off

3. Questions and Responses:

Questions:

- 1) The Feasibility Study Terms of Reference require Class D estimates including estimated engineering investigations and studies required for detailed design, design work, and construction. What is the available budget for Engineering Design Services related to Arctic Bay and Clyde River?
- 2) TOR Section 1.3 requires the Consultant to optimize the Feasibility Study concepts to meet available budget using a design to budget approach. Considering that the successful Consultant will need to close the budget gap, what is the present differential between available construction budgets and Feasibility Study Cost Estimates?
- 3) Regarding the Legal Land Survey required by TOR Section 2.3.3, can you please provide a sketch showing the upland limit of the proposed upland lots? This will be necessary to determine the legal survey budget and which (or how many) entities administer the lands of the upland lots.
- 4) Amended TOR Section 2.3.4.4 requires a Certified Hydrographer (CH) of which the Association of Canada Land Surveyors advises that there are presently 4 (four) individuals in Canada with the CH certification. Considering that TOR Section 2.3.4.1 requires the bathymetric survey to confirm another survey (2018 data) provided by DFO, would a certified Canada Land Surveyor be acceptable in lieu of a CH?
- 5) Amended TOR Section 2.3.4.8 requires underwater sounding accuracy better than the highest accuracy required by CHS (2013) Standards for Hydrographic Surveys, Can horizontal and vertical underwater sounding accuracy requirements be replaced with those of CHS Exclusive Order hydrographic surveys?
- 6) Amended TOR Sections 2.3.4.9 and 2.3.4.10 refer to line and point spacing which CHS (2013) associates with single beam echo sounder surveys whereas Section 2.3.4.5 requires a multi-beam survey. Please clarify if multi-beam surveys are to be delivered at coarse line and point spacings specified or if complete coverage is required instead. Please advise if CHS (2013) recommended 200% coverage is required.

Responses:

- 1) The available budget for the Engineering Design Services related to Arctic Bay and Clyde River cannot be disclosed at this time.
- 2) The present differential between available construction budgets and the Feasibility Study costs estimates is approximately between 10% and 15%.
- 3) Yes, sketches showing the upland limit of the proposed upland lots are provided in this addendum.
- 4) Although a Certified Hydrographer (CH) would be preferred, yes, a certified Canada Land Surveyor would be acceptable in lieu of a CH.
- 5) No the requirements remain the same as listed in the TOR.
- 6) A multi-beam survey is required for both Clyde River and Arctic Bay that results in complete, 100% coverage of the total bathymetric survey area. The method of achieving these results is to be

determined by the consultant. CHS (2013) 200% coverage is not required. In addition to the full multi-beam data, the multi-beam survey data shall be parsed and submitted in the coarse line and point spacings specified in TOR Sections 2.3.2.9 and 2.3.4.10.

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APPENDIX C - PRICE PROPOSAL FORM

"Revised December 3, 2019"

INSTRUCTIONS: Complete this Price Proposal Form and submit in a **separate sealed envelope** with the Name of Proponent, Name of Project, PWGSC Solicitation Number, and the words "PRICE PROPOSAL FORM" typed on the outside of the envelope. Price Proposals are not to include Applicable Taxes.

PROPOSANTS SHALL NOT ALTER THIS FORM

Project Title: Civil Engineering Design Services, Arctic Bay, and Clyde River, Nunavut Territory, Harbour Development Project

Project Number: F2470-190036/A

Name of Proponent: _____

The following WILL form part of the evaluation process:

REQUIRED SERVICES (RS)

Fixed Fee (R1230D (2018-06-21), GC 5 - Terms of Payment – Architectural and/or Engineering Services)

ARCTIC BAY, NU - ENGINEERING DESIGN SERVICES

FIXED FEE

RS 2.2 Analysis of Project Scope of Work \$ _____

RS 2.3 Investigations, Studies and Reports \$ _____

RS 2.4 Permitting Support \$ _____

RS 2.5 Design Development \$ _____

RS 2.6 Construction Tender Documents \$ _____

ARCTIC BAY, NU – ENGINEERING DESIGN SERVICES

MAXIMUM FIXED FEES

\$ _____

CLYDE RIVER, NU - ENGINEERING DESIGN SERVICES

FIXED FEE

RS 2.2 Analysis of Project Scope of Work \$ _____

RS 2.3 Investigations, Studies and Reports \$ _____

RS 2.4 Permitting Support \$ _____

RS 2.5 Design Development \$ _____

RS 2.6 Construction Tender Documents \$ _____

CLYDE RIVER, NU – ENGINEERING DESIGN SERVICES

MAXIMUM FIXED FEES

\$ _____

ITEM 1) TOTAL COST OF REQUIRED SERVICES FOR PROPOSAL EVALUATION PURPOSES

ARCTIC BAY, NU + CLYDE RIVER, NU - ENGINEERING DESIGN SERVICES MAXIMUM FIXED FEES

= \$ _____

APPENDIX C - PRICE PROPOSAL FORM (cont'd) *"Revised December 3, 2019"*

ITEM 2) Optional Services if Awarded will be based on the following fixed time based fees. The requisite level of effort will be negotiated at time of award of any of the Optional Services. No work may proceed for any of the Optional Services without the written authorization of the Contracting Authority.

OPTIONAL SERVICES 2.8.1.3.1 – Tender Services AND/OR Construction Support Services

Arctic Bay AND/OR Clyde River – Hourly Rate – Time Based Fee to a maximum Upset Limit

Category of Personnel	Estimated Hours	Hourly Rate	Total
Prime Consultant Civil Engineer - Partners or principals of the firm	20	\$	\$
Prime Consultant Civil Engineer - Senior Personnel	100	\$	\$
Prime Consultant Civil Engineer - Intermediate Personnel	160	\$	\$
Prime Consultant Civil Engineer - Junior Personnel	100	\$	\$
Coastal Engineer	20	\$	\$
Fluvial Geomorphologist	20	\$	\$
Sediment Management Scientist	20	\$	\$
Structural Engineer	100	\$	\$
Electrical Engineer	100	\$	\$
Geotechnical Engineer	320	\$	\$
Environmental Specialist	120	\$	\$
Administrative Support	80	\$	\$
TOTAL FEES FOR OPTIONAL SERVICES			\$

Note: The price per hour will govern in establishing the Total Optional Fees. Any extension errors will be corrected by Canada.

** The estimated hours are for evaluation purposes only.*

*** Payment will be based on actual hours spent. Travel time and/or expenses will be reimbursed separately at actual cost.*

**** The fixed hourly rate is applicable to both normal working hours, any other shift work, and travel time as required.*

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APPENDIX C - PRICE PROPOSAL FORM (cont'd)

"Revised December 3, 2019"

TOTAL COST OF REQUIRED SERVICES AND OPTIONAL SERVICES FOR PROPOSAL EVALUATION PURPOSES

Item 1) TOTAL EVALUATED FEES REQUIRED SERVICES		\$ _____
Item 2) TOTAL EVALUATED FEES OPTIONAL SERVICES	+	\$ _____
TOTAL EVALUATED FEES FOR SERVICES	=	\$ _____

The following will NOT form part of the evaluation process

Canada may accept or reject any of the following fees, disbursements and/or hourly rates. Canada reserves the right to negotiate on these fees, disbursements and/or hourly rates.

DISBURSEMENTS REQUIRED SERVICES (RS)

At cost without allowance for mark-up or profit, supported by invoices/receipts - see clause R1230D (2018-06-21), GC 5 - Terms of Payment, section GC5.12 Disbursements:

Copies of receipts must be provided upon request.

- 1) Travel Costs including mobilization and demobilization costs for Geotechnical Investigations **\$** _____
- 2) Travel Costs other **\$** _____

MAXIMUM AMOUNT FOR DISBURSEMENTS (RS) **\$** _____

DISBURSEMENTS OPTIONAL SERVICES

MAXIMUM AMOUNT FOR DISBURSEMENTS Arctic Bay - Optional Services		\$ 22,000.00
MAXIMUM AMOUNT FOR DISBURSEMENTS Clyde River - Optional Services	+	\$ 22,000.00
MAXIMUM AMOUNT FOR DISBURSEMENTS OPTIONAL SERVICES	=	\$ 44,000.00

NOTES:

Disbursements for Optional Construction Services for Arctic Bay and Clyde River, NU will be included as an Estimated Amount to an Upset Limit. The estimated amount to be included is \$22,000.00 for 5 trips to each site as indicated. (\$22k x 2)

National Joint Council (NJC) Travel Directive link: <http://www.njc-cnm.gc.ca/directive/travel-voyage/index-eng.php>

"Disbursements shall be Project related and shall not include expenses that are related to the normal operation of the Consultant's business. The amounts payable, shall not exceed the amount entered in the Agreement Particulars, without the prior authorization of the Departmental Representative."