



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Regional Manager/Real Property
Contracting/PWGSC
Ontario Region, Tendering Office
12th Floor, 4900 Yonge Street
Toronto, Ontario
M2N 6A6
Ontario

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
Regional Manager/Real Property Contracting/PWGSC
Ontario Region, Tendering Office
12th Floor, 4900 Yonge Street
Toronto, Ontario
M2N 6A6
Ontario

Title - Sujet Port Severn Area Dams	
Solicitation No. - N° de l'invitation EQ754-170947/A	Amendment No. - N° modif. 007
Client Reference No. - N° de référence du client R.076951.036	Date 2016-09-02
GETS Reference No. - N° de référence de SEAG PW-\$PWL-027-2191	
File No. - N° de dossier PWL-6-39053 (027)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-09-14	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Jackson, Dahlia	Buyer Id - Id de l'acheteur pwl027
Telephone No. - N° de téléphone (416) 512-5918 ()	FAX No. - N° de FAX (416) 512-5862
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Port Severn, Ontario	

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	

Amendment No. 007

This amendment is raised to incorporate changes to the following sections of the RFP:

1) Project Brief and 2) Appendix C - Price Proposal Form. Consultant services for Construction and Contract Administration and Resident Site Services, currently identified as being provided by others in Required Service (RS) 12 and RS 13 (respectively) of the Project Brief, are being included as Optional Services.

1) Revisions to the Project Brief

Consultant services for Construction and Contract Administration and Resident Site Services, currently identified as being provided by others in Required Service (RS) 12 and RS 13 of the Project Brief, are being included as Optional Services.

Canada reserves the right to include these Optional Services, or part thereof, under the agreement resulting from this solicitation process, or to contract separately with other firms/Consultants.

Should Canada opt to include the Optional Services in the resulting agreement, the following instructions apply:

i) Reference: Project Brief, Project Requirements (PR), PA (*sic*) 2 Project Identification and Background, 2.1 Overview, article 3

Proponents are hereby instructed to:

Delete: In it's entirety.

ii) Reference: Project Brief, Project Requirements (PR), PA (*sic*) 2 Project Identification and Background, 2.1 Overview, article 4

Proponents are hereby instructed to:

Delete: "the Prime Consultant"

iii) Reference: Project Brief, Required Services (RS) 12 Construction and Contract Administration and RS 13 Resident Site Services During Construction

Proponents are hereby instructed to:

Delete: In its entirety.

Insert: Optional Services (appended to this amendment)

2) Revisions to Appendix C - Price Proposal Form

The aforementioned services are to be priced as Optional Services and are mandatory to be priced, but will not necessarily be added to the selected Consultant's scope of services. There may be requirements and tasks outlined in this amendment that overlap with the services detailed in the Project Brief. It is the responsibility of the Proponent to identify these overlaps and provide pricing accordingly and avoid duplication.

Canada reserves the right to include these Optional Services, or part thereof, under the agreement resulting from this solicitation process, or to contract separately with other firms/Consultants.

i) Reference: Appendix C – Price Proposal Form

Proponents are hereby instructed to:

Delete: In its entirety.

Insert: Appendix C – Price Proposal Form – Revision 1 (appended to this amendment)

All other terms and conditions of the RFP remain the same.

OPTIONAL SERVICES (OS)

1. OS 1 Construction and Contract Administration and OS 2 Resident Site Services During Construction

1.1 Project Delivery Approach

In order to achieve the project objectives the Consultant is to provide technical support, site engineering services and construction and contract administration during the construction phases for all Sites under the Port Severn Area Dams. The Consultant shall implement as appropriate the construction documents and work in collaboration with the Construction Manager, the project team and all stakeholders through the Departmental Representative.

1.1.1 Summary of Services Required

The Consultant and its team will provide professional services associated with

1. OS 1 Construction and Contract Administration; and
2. OS 2 Resident Site Services During Construction

1.1.2 Resource Requirements

The Consultant shall assign suitably qualified and experienced personnel to undertake and complete the work. The following list is provided for reference only and is not to be considered 'all-inclusive'. The Consultant will establish the expertise and experience necessary to complete the assignment based on the information available.

- a) Structural engineering (dams);
- b) Structural engineering (seismic specialist);
- c) Civil engineering (hydraulics);
- d) Geotechnical engineering;
- e) Heritage masonry;
- f) Hydrogeological engineering;
- g) Landscape architecture;
- h) Municipal infrastructure engineering;
- i) Environmental assessment and monitoring;
- j) Sustainable development;
- k) Conservation engineering/architecture;
- l) Waste management;
- m) Risk management;
- n) Cost management;
- o) Time management; and
- p) Emergency preparedness planning

OS 1 Construction and Contract Administration

Implement the project in compliance with the Contract Documents, and direct, monitor and report all requested changes to the scope of work during construction. This service to be required for each package of tender documents.

1.1 Construction Schedule

- a) The Consultant to:
 - i. after the award of the Construction Contract, request from the Contractor a detailed construction schedule, and, after review for conformity with the Project Schedule and implementation of any necessary adjustments, forward an annotated construction schedule, dated, signed "Reviewed and Accepted" by the Consultant to the Departmental Representative in an electronic format;
 - ii. monitor and report to the Departmental Representative the progress of construction, or delays, on a weekly basis;
 - iii. immediately notify the Departmental Representative of any known and anticipated delays that may affect the completion date of the Project, and in conjunction with the Contractor propose delay mitigation measures, complete with associated costs;
 - iv. keep accurate records of the causes and duration of all delays, and update the Risk Management Plan as required.
- b) Consultant to evaluate and provide advice to the Departmental Representative, for requests from the Contractor for time extensions. The Departmental Representative after consideration will issue directions to the Consultant to give to the Contractor. Only the Departmental Representative may authorize any request for Time Extension. Authorization must be issued in writing.

1.2 Construction Safety

- i) All construction projects performed by the Contractor are subject to federal and provincial safety regulations.
- ii) The Contractor to provide Site Specific Health and Safety Plans in accordance with the contract which is to include emergency response plans; fire plans, and the identification of any additional site specific issues. The Consultant to ensure that these plans are adequate and are adhered to.

1.3 Construction Meetings

- a) The Consultant to:
 - i) Co-ordinate and schedule regular meetings with the Departmental Representative and Contractor, Contractor to hold and attend construction meetings as required by the Construction Contract;
 - ii) prepare agenda, and facilitate all such meetings;

- iii) minute each meeting and provide an electronic copy to the Departmental Representative and all attendees within a maximum of five (5) working days of the meeting.

1.4 Clarification and Interpretation

- a) The Consultant to provide clarifications and interpretations of the construction documents in written and/or graphic form, to the Contractor, with a copy to the Departmental Representative as and when necessary;
- b) The Consultant not to make any changes to affect scope/budget/schedule without prior written approval from the Departmental Representative.

1.5 Shop Drawings, Contractor Design(s) and Construction Materials Submissions

- a) The Consultant to:
 - i) specify in the construction specifications the shop drawings, materials data sheets/information and temporary works designs to be submitted by the Contractor;
 - ii) review in five (5) business days of receipt of shop drawings/designs/materials submissions provided by the Contractor to determine conformity with the design concept and intent of the construction documents and indicate to the Contractor general conformance. Provide comments to and request re-submissions from the Contractor, as necessary;
 - iii) within five (5) business days of receipt of accepted submission, provide the Departmental Representative with a signed "Reviewed and Accepted" and dated electronic copy.

1.6 Testing and Inspection

- a) The Consultant to:
 - i) recommend the need for testing, and review test reports of materials and/or construction;
 - ii) to provide all quality assurance testing;
 - iii) specify in the construction documents and implement the Construction Quality Management Plan, recommend quality control testing to be undertaken during construction, evaluate the results and advise the Departmental Representative accordingly;
 - iv) request the Contractor to take remedial action when observed material or construction fails to comply with the requirements of the Construction Contract, and immediately advise the Departmental Representative in writing;
 - v) specify in the construction documents material, product and performance testing to be undertaken by the Contractor and Commissioning agent.

- vi) ensure that all specified testing, commissioning and other QA/QC specifications and recommendations are fully implemented throughout the construction process;
- vii) provide copies of the testing report developed to the Departmental Representative;
- viii) Provide environmental monitoring and enforcement during construction.

1.7 Site Visits by the Design Engineers

- a) The Consultant' design engineers to:
 - i) perform site technical visits only when work in progress pertains to their respective discipline;
 - ii) advise Contractor as to elements to be inspected and the associated timing of their inspections;
 - iii) record and report to the Departmental Representative on the progress, quality of work observed at each site meeting, and provide the Contractor and Departmental Representative with written progress reports and lists of deficiencies observed with corrective actions;
 - iv) assist in the implementation by the Contractor of all remedial actions accepted by the Departmental Representative in writing;
 - v) issue a written confirmation of the completion of all remedial actions to the Departmental Representative and to the Contractor.

1.8 Changes to Construction Contract

- a) The Consultant to:
 - i) submit to the Departmental Representative in writing, for approval, all requests and recommendations for changes, identify impact on Construction Contract;
 - ii) obtain quotations from the Contractor for contemplated changes, review, assess the effect on construction progress and completion date, and submit recommendations to the Departmental Representative in writing.
- b) The Consultant does not have the authorization to approve a change in work or the prices of any contract.
- c) The Departmental Representative will issue Change Orders for all approved changes.
- d) All changes, including those not affecting the cost of the project, must be covered by Change Orders.

1.9 Contractor's Progress Claims

- a) The Consultant to:
 - i) request from the Contractor prior to the issuance of the first progress claim, a cost breakdown of the Construction Contract Award Price in detail appropriate to the size and complexity of the Project, or as may

- otherwise be specified in the Construction Contract, and submit the cost breakdown to the Departmental Representative;
- ii) review Contractor submitted monthly progress claims (with cost breakdown, statutory declaration and WSIB certificate) in a timely manner and, if acceptable, certify the progress claims for work completed and materials delivered pursuant to the Construction Contract, and submit them to the Departmental Representative for approval and processing;
 - iii) if the construction is based on unit prices, measure and record the quantities of labour, materials and equipment involved for the purpose of certifying progress claims;
 - iv) verify at each progress payment claim that the Contractor has accurately recorded information on the site as built set of construction documents;
 - v) update schedule of work progress.

1.10 Commissioning

a) Confirming Requirements

Upon Construction Contract award, and in collaboration with the Contractor, the Consultant to review, revise as required, and confirm details of Commissioning requirements including, but not limited to:

- i. Installation/Start-up Checklists procedures;
- ii. Operations and Maintenance (O&M) Manual;
- iii. O&M Training;

The Consultant to prepare a report summarizing the above confirmed details and submit copies to Contractor and to the Departmental Representative.

b) Commissioning Plan

Throughout the course of the construction phase, the Consultant to:

- i. Review and verify that Contractor's work and deliverables, pertaining to Commissioning, are produced in accordance with Contract specifications and with the requirements of the Commissioning Plan;
- ii. Review, and report to the Departmental Representative, the progress of all Commissioning activities and documents, including any problems and recommended courses of action;
- iii. Update the Commissioning Plan, including the schedule, as required to better reflect actual project conditions.

c) Systems Operations Manual

The Consultant to:

- i. update the Systems Operations Manual as construction progresses, ensuring that it reflects all approved changes, modifications, revisions and adjustments to the installed equipment and systems;
- ii. Finalize Systems Operations Manual prior to the issuance of the Certificate of Substantial Performance and submit for the approval of the Departmental Representative.

d) Operations and Maintenance Manual

The Consultant to:

- i. review, verify for completeness, relevance and format the Operation and Maintenance Manual produced by Contractor in accordance with project specifications, and ensure that it reflects all approved changes, modifications, revisions and adjustments to the installed equipment and systems;
- ii. submit review comments to the Contractor and to the Departmental Representative;
- iii. ensure that the Operating and Maintenance Manual is finalized prior to the issuance of the Certificate of Substantial Performance and submit the final document for the approval of the Departmental Representative.

e) Training

The Consultant to:

- i. coordinate all necessary services to ensure that Parks Canada Agency's O&M personnel are properly instructed on the operation and maintenance of all asset components and systems;
- ii. in collaboration with the Contractor, be responsible to deliver training, review the Training portion of the Commissioning Plan and develop a Training Plan including: an agenda, a schedule and proposed location for the training session(s), as well as a list of recommended participants;
- iii. submit the Training Plan to the Departmental Representative for review and approval at least two (2) weeks prior to the proposed training dates;
- iv. make all necessary arrangements to organize and hold the training session(s) in accordance with the approved Training Plan;

- v. develop training material on the subject of design intent and systems operations, based on the Systems Operations Manual. Present this material at the training sessions;
- vi. ensure that the Contractor has developed suitable training material on the subject of operations and maintenance of components, equipment and systems, based on the Operations and Maintenance Manual. Ensure that the Contractor presents this material at the training sessions;
- vii. prepare a summary of the training sessions, indicating dates, subject matter and all personnel present for training, and submit training summary to the Departmental Representative.

f) First seasonal start-up

The Consultant to:

- i. include the first seasonal start-up following completion of construction for associated components.

g) Commissioning Report

- i. A Commissioning Report describing the commissioning work performed, evaluating overall success of commissioning, identifying difficulties and their resolution steps to be submitted to the Departmental Representative for review;
- ii. The Commissioning Report to be accepted by the Departmental Representative before the final Certificate of Completion is issued.

1.11 Substantial Completion of the Project

a) The Consultant to:

- i. review the construction work with the Departmental Representative and the Contractor, and record all unacceptable and incomplete work detected;
- ii. develop a deficiency list of incomplete items and issue to the Contractor and Departmental Representative;
- iii. request from the Contractor, review for completeness and adequacy, and provide the Departmental Representative with, all Operation and Maintenance Manuals and supporting documents in accordance with the Construction Contract;
- iv. prepare and submit to the Departmental Representative for approval and processing, a Certificate of Substantial Completion as required by the Construction Contract, together with supporting documents properly signed and certified.

b) Acceptance Board

Inform the Departmental Representative when satisfied that the project is substantially completed. The Consultant to ensure that his representative, Sub-consultant representative, Resident On-Site Reviewers, Contractor(s) and major sub-trades representatives to form part of the Project Acceptance Board and attend all meetings as organized by PWGSC.

c) Interim Inspection

The Acceptance Board to inspect the work and list all unacceptable and incomplete work on a designated form. The Board to accept the project from the Contractor(s) subject to the deficiencies and uncompleted work listed and priced. The Contractor(s) to be required to provide a work plan of actions and schedule to correct all deficiencies.

1.12 As-Built Record Drawings

a) Before the issuance of the final Certificate of Completion, the Consultant to:

- i. prepare and provide the Departmental Representative with a complete set of as-built record, including the Operations and Maintenance manuals;
- ii. verify that record drawings are suitable for digital storage and retrieval, incorporating all recorded changes to the original working drawings based on as-built prints, drawings and other information provided by the Contractor, together with Change Orders and Site Instructions;
- iii. verify that record drawings are labeled "Record", dated and signed by the Consultant, and provide also a marked-up copy of the specifications recording changes thereto;

b) For each tender package, submit complete Record drawings and as-built specifications in number and format required by the contract within six (6) weeks of final certification.

c) A complete set of final shop drawings to be issued in hard copy and electronic format.

1.13 Final Completion of the Project

a) The Consultant to:

- i. advise the Departmental Representative in writing that the construction has been completed in general conformity with the Construction Contract and the Approved Design;
- ii. complete the first seasonal start-up commissioning and submit the final Commissioning Report to the Departmental Representative;
- iii. make a final review of the construction with the Departmental Representative and the Contractor and, if satisfactory, prepare and submit to the Departmental Representative for approval and final payment to the Contractor, a final Certificate of Completion as required by the Construction Contract, together with supporting documents

properly signed and certified, including manufacturers' and suppliers' warranties.

OS 2 Resident Site Services During Construction

This service to be required for each package of tender documents.

2.1 Resident Site Services

The purpose of Resident Site Services is to ensure the presence of the Consultant's representatives on-site to inspect, coordinate and monitor all aspects of the work from the start of the project construction to the completion of commissioning, and liaise with Public Works and Government Services Canada and other agencies as appropriate to the work.

- a. The Consultant to submit resumes, confirming the qualifications and experience of proposed Resident Site Services personnel, and obtain the approval of the Departmental Representative before assigning the personnel to the project.
- b. The Resident Engineer to be a Professional Engineer licensed in the Province of Ontario; have a minimum of five (5) years of recent and pertinent experience, under the supervision of a Professional Engineer, in providing Resident Site Services during construction on projects involving assets similar to the one covered in this Project Brief.
- c. The Resident Inspector to be a qualified Civil Engineering Technologist; have a minimum of five (5) years of recent pertinent experience, under the supervision of a Professional Engineer, in providing Resident Inspection Services during construction on projects involving assets similar to the one covered in this Project Brief.
- d. Consultant Resident Site Representatives are responsible for providing resident inspection for all aspects of the project, maintaining daily records of all construction work placed.

The Resident Site Representative to be thoroughly familiar with the Project drawings, specifications, general concept of the design and execution of works, and all pertinent details related to construction, sequencing, methodologies, Safety Plans, Project Schedule, Risk Management Plan, Construction Quality Management Plan, Cost Estimates.

2.2 Site Office

Resident Site Services to include a site office and/or site-based office equipment, including but not limited to Internet access, appropriate computer system and software, telephone service, etc.

2.3 Site Resident Responsibilities

The Resident Site Representative to:

- i) assist in carrying his construction and contract administration duties;
- ii) inspect all phases of the work in progress, for the purpose of bringing to the attention of the Contractor, after confirming with both the Consultant and the Departmental Representative, any discrepancies between the work, the contract documents, the schedule and accepted construction procedures and practices;
- iii) assist PWGSC in ensuring prompt implementation by the Contractor of all remedial actions accepted by the Departmental Representative in writing, and issue a written confirmation of their completion to the Consultant, to the Departmental Representative and to the Contractor;
- iv) maintain and submit to Departmental Representative a detailed and descriptive daily log of all inspections, attendees onsite, observations, work progress, equipment and workers, material quantities, site conditions, weather, and of unexpected occurrences on site, and additionally, on a consistent day of each week, electronically issue a weekly summary report to include pertinent photographs prepared in the format acceptable to the Departmental Representative and to the Consultant;
- v) prepare weekly any other reports or surveys as may be required to provide complete information to Departmental Representative;
- vi) verify quantities of materials received and record work progress through photographs (digital files to be submitted to PWGSC);
- vii) communicate with the Contractor in a formal manner (written as required) and contact the Consultant when actions of the Consultant are required (instructions, clarifications, requisitions, Change Orders etc.);
- viii) maintain on site a complete inventory of construction documents and files for the Departmental Representative, Consultant and himself;
- ix) stop work in the event of emergencies, contact local security or emergency services in the event of traffic related or public security emergencies;
- x) provide environmental monitoring and enforcement during construction.

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APPENDIX C - PRICE PROPOSAL FORM

REVISION 1

APPENDIX C - PRICE PROPOSAL FORM – REV. 1

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.

PROPOSERS SHALL NOT ALTER THIS FORM

Project Title:

Name of Proponent:

The following will form part of the evaluation process:

REQUIRED SERVICES

Fixed Fees

(R1230D (2016-01-28), GC 5 – Terms of Payment – Architectural and/or Engineering Services)

SERVICES

FIXED FEE

Group A: Dam A, Dam C, Dam D, Dam E, Dam G, Lock 45,

Lock 45 Approach Walls

RS 1A	Management of Consulting Services	\$.....
RS 2A	Analysis of Project Scope of Work	\$.....
RS 3A	Estimating and Cost Planning	\$.....
RS 4A	Risk Management	\$.....
RS 5A	Quality Management	\$.....
RS 6A*	Investigations, Studies and Reports	\$.....
RS 7A	Design Concept	\$.....
RS 8A	Design Development	\$.....
RS 9A	Construction Documents	\$.....
RS 10A	Tender Call, Bid Evaluation and Construction	\$.....
RS 11A	Design Services During Construction	\$.....
RS 14A	Post Construction Services	<u>\$.....</u>

Sub-TOTAL FIXED FEES \$.....

APPENDIX C - PRICE PROPOSAL FORM (CONT'D) – REV. 1

Group B: Main Dam, Fixed Bridge

RS 1B	Management of Consulting Services	\$.....
RS 2B	Analysis of Project Scope of Work	\$.....
RS 3B	Estimating and Cost Planning	\$.....
RS 4B	Risk Management	\$.....
RS 5B	Quality Management	\$.....
RS 6B*	Investigations, Studies and Reports	\$.....
RS 7B	Design Concept	\$.....
RS 8B	Design Development	\$.....
RS 9B	Construction Documents	\$.....
RS 10B	Tender Call, Bid Evaluation and Construction	\$.....
RS 11B	Design Services During Construction	\$.....
RS 14B	Post Construction Services	<u>\$.....</u>

Sub-TOTAL FIXED FEES \$.....

MAXIMUM TOTAL REQUIRED SERVICES FIXED FEES \$.....¹

OPTIONAL SERVICES

Fixed Fees

(R1230D (2016-01-28), GC 5 – Terms of Payment – Architectural and/or Engineering Services)

SERVICES	FIXED FEE
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Group A: Dam A, Dam C, Dam D, Dam E, Dam G, Lock 45,

Lock 45 Approach Walls

OS 1A	Construction and Contract Administration	\$.....
OS 2A	Resident Site Services During Construction	\$.....

Sub-TOTAL FIXED FEES \$.....

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APPENDIX C - PRICE PROPOSAL FORM (CONT'D) – REV. 1

Group B: Main Dam, Fixed Bridge

OS 1B	Construction and Contract Administration	\$.....
OS 2B	Resident Site Services During Construction	\$.....

Sub-TOTAL FIXED FEES \$.....

MAXIMUM TOTAL OPTIONAL SERVICES FIXED FEES \$.....²

Disbursements

At cost without allowance for mark-up or profit, supported by invoices/receipts - see clause R1230D (2016-01-28), GC 5 - Terms of Payment– Architectural and/or Engineering Services, section GC5.12 Disbursements.

Canada may accept or reject any of the Disbursements. Canada reserves the right to negotiate on these Disbursements.

(specify and enter limit)

Group A: Dam A, Dam C, Dam D, Dam E, Dam G, Lock 45,

Lock 45 Approach Walls

RS 6A*	Investigations, Studies and Reports	
	Topographical and Bathymetric Survey	\$.....
	Geotechnical Field Work	\$.....
	Materials Sampling and Testing	\$.....
	Hydraulic Study – Lower Approach Walls	\$.....

Sub-TOTAL DISBURSEMENTS \$.....

APPENDIX C - PRICE PROPOSAL FORM (CONT'D) – REV. 1

Group B: Main Dam, Fixed Bridge

RS 6B*	Investigations, Studies and Reports	
	Topographical and Bathymetric Survey	\$.....
	Geotechnical Field Work	\$.....
	Materials Sampling and Testing	\$.....
	Sub-TOTAL DISBURSEMENTS	\$.....

MAXIMUM TOTAL AMOUNT FOR DISBURSEMENTS \$.....³

Notes:

* RS 6: Consultant's time to carry out investigations, studies and prepare reports to be billed as Fees. Costs for carrying out fieldwork, typically through sub-consultants or specialized service providers to be billed as Disbursements.

Time Based Fees (for Evaluation Purposes)

(R1230D (2016-01-28), GC 5.2 – Fee Arrangement(s) for Services, article c)

The Estimated Hours provided below are for evaluation purposes only. A delay in Construction of two (2) months will be included for evaluation purposes.

While these Time Based Fees will not form part of the awarded contract value, the Hourly Rate may be used for future contract amendments should the services below be required beyond the stated construction period duration.

Canada may accept or reject any of the following Hourly Rates. Canada reserves the right to negotiate on these Hourly Rates.

Group A: Dam A, Dam C, Dam D, Dam E, Dam G, Lock 45, Lock 45 Approach Walls

RS 11A Design Services During Construction – In excess of stated construction period duration**	ESTIMATED HOURS Column A	HOURLY RATE*** Column B	TIME BASED FEE Columns AxB
Engineering During Construction	80	\$.....	\$.....

APPENDIX C - PRICE PROPOSAL FORM (CONT'D) – REV. 1

OS 1A Construction and Contract Administration – In excess of stated construction period duration**	ESTIMATED HOURS Column A	HOURLY RATE*** Column B	TIME BASED FEE Columns AxB
Contract administration during Construction	80	\$.....	\$.....

OS 2A Resident Site Services During Construction – In excess of stated construction period duration**	ESTIMATED HOURS Column A	HOURLY RATE*** Column B	TIME BASED FEE Columns AxB
Resident site services during Construction	80	\$.....	\$.....

Sub-TOTAL TIME BASED FEES

\$.....

Group B: Main Dam, Fixed Bridge

RS 11B Design Services During Construction – In excess of stated construction period duration**	ESTIMATED HOURS Column A	HOURLY RATE*** Column B	TIME BASED FEE Columns AxB
Engineering During Construction	120	\$.....	\$.....

OS 1B Construction and Contract Administration – In excess of stated construction period duration**	ESTIMATED HOURS Column A	HOURLY RATE*** Column B	TIME BASED FEE Columns AxB
Contract administration during Construction	120	\$.....	\$.....

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APPENDIX C - PRICE PROPOSAL FORM (CONT'D) – REV. 1

OS 2B Resident Site Services During Construction – In excess of stated construction period duration**	ESTIMATED HOURS Column A	HOURLY RATE*** Column B	TIME BASED FEE Columns Ax B
Resident site services during Construction	120	\$.....	\$.....

Sub-TOTAL TIME BASED FEES

\$.....

Notes:

** Payment will be based on actual hours spent.

*** All inclusive Hourly Rate is applicable to both normal working hours and any other shift work as required.

TOTAL TIME BASED FEES

\$.....⁴

TOTAL COST OF SERVICES FOR PROPOSAL EVALUATION PURPOSES

Maximum Total Required Services Fixed Fees	\$..... ¹
Maximum Total Optional Services Fixed Fees	\$..... ²
Maximum Total Amount for Disbursements	\$..... ³
Total Time Based Fees	\$..... ⁴
 Total Evaluated Fee (1+2+3+4)	 \$.....

END OF PRICE PROPOSAL FORM – REVISION 1