



Serving
GOVERNMENT,
serving
CANADIANS.

Au service du
GOUVERNEMENT,
au service des
CANADIENS.

Dam Engineering Services: Fenelon Falls and Little Bob River (EQ754-201178/A)

Qualification Based Selection Process

Proponents' Conference

November 14, 2019

www.pspc-spac.gc.ca



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada

Canada

Overview of Agenda

1 Introductions and Conference Logistics

Presentations:

2 Project Scope/Information | Thuc-Van Quan

3 ePost Proposal Submission | Peggy Juan

4 Procurement Process | Michelle Nguyen

Questions:

5 Additional Questions Period

2

www.pspc-spac.gc.ca



Conference Logistics

- How/When to ask questions during the Conference
- Questions raised during the Proponents' Conference will be posted with their associated answers through a solicitation amendment on Buy and Sell
- During the scheduled presentations, no new information will be presented



Presented by: Thuc-Van Quan

PROJECT SCOPE / INFORMATION

4

www.pspc-spac.gc.ca



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada

Canada

Project Scope - Locations

Fenelon Falls Dam Safety Review and Concept Design:

- 1914 Concrete Structure, thirteen (13) stoplog sluices, each 6.1m wide, Left (North) and Right (South) abutments measuring 26.8 m and 15.8 m, respectively, with built-in flume wall and ambursen dam
- a concrete bridge and powerhouse station located immediately downstream of the dam (not part of the project)

Little Bob River Dam Analysis and Concept Design:

- 1908 concrete structure consisting of three 7.6 m stoplog sluices, one 3.05 m stoplog sluice, and left and right wingwalls measuring 95 m and 14 m, respectively
- an abandoned concrete powerhouse of a hydroelectric generating station located immediately downstream of the dam



Project Scope - Work

Scope of Work:

- Dam Safety Review on Fenelon Falls Dam and anticipated investigation to gather necessary information on current condition for feasibility study
- Additional geotechnical Investigation on LBRD to develop design concepts for the dam structure, abandoned powerhouse, the concrete core and clay puddle core earth dam rehabilitation and potential cofferdam
- Feasibility reports for Fenelon Falls Dam and Little Bob River Dam, include Design Concept Options and Class C Estimated Cost
- Design options to meet requirements of the Parks Canada Directive for Dam Safety with a service life of 80-100 years

Required Services (RS)

- RS 1 Analysis of Project Scope of Work
- RS 2 Field Investigations, Studies and Reports
- RS 3 Fenelon Falls Dam Safety Review
- RS 4 Feasibility Study (minimum design options and specific requirements)



Project Scope - Constraints

Some project constraints to note:

Navigation Season

- Work must not disrupt navigation of the Trent Severn Waterway and operations of the dams.

Water Management

- The Consultant must include provisions in the design concepts to maintain adequate discharge capacity throughout construction to meet operational requirements.
- The Consultant is to develop parameters related to cofferdams, dewatering plans and water diversions necessary in design concept.



Presented by: Peggy Juan

EPOST PROPOSAL SUBMISSION

8

www.pspc-spac.gc.ca



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada

Canada

ePost Connect

Key Reminders:

The following information are Key Reminders for using Canada Post's epost Connect™ to send electronic proposals:

Initiating ePost:

- E-mail your intention to submit electronic bids to Ontario Region at least **6 business days** before solicitation closing date and time at: TPSGC.orreceptiondessoumissions-orbidreceiving.PWGSC@tpsgc-pwgsc.gc.ca.
- **Do not email bids directly to this email address.** Bids emailed to this address will **not** be accepted. (This email is used by PSPC Ontario Region only.)



ePost Connect

Communicating Through ePost:

- After receiving your email, Ontario Region will open a “conversation” inside epost Connect™, where you can reply and submit your bid submission. Ontario Region will also provide you a *Bid Submission Guide* with step-by-step screenshot of how you can submit your bid inside epost Connect™.

Submission of Proposal:

- Preferred document format: PDF, Word, Excel. (Please do not encrypt files.)
- The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.



Procurement Process Presented by: Michelle Nguyen

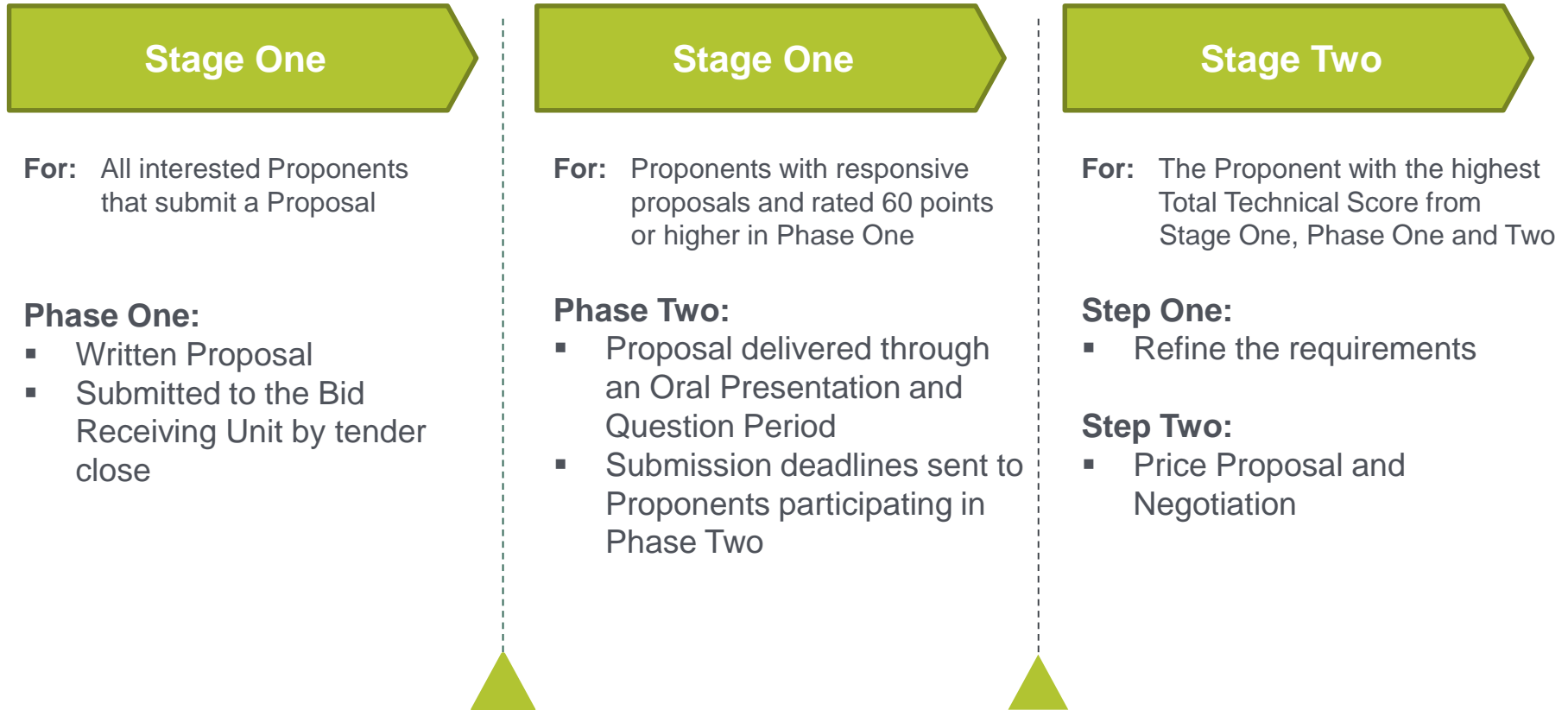
QUALIFICATION BASED SELECTION (QBS) PROCESS

11

www.pspc-spac.gc.ca



Procurement Process Overview



Calculation of Stage One Total Rating

| | |
|---------------------------------------|--------------------|
| Phase One Rating | Maximum 100 Points |
| Phase Two Rating (invited Proponents) | Maximum 100 Points |
| Total Technical Rating | Maximum 200 Points |



Stage One - Phase One

Process:

| | |
|---------------------------------|---|
| Proposal Format: | Written Proposal (15 page maximum for the Rated Requirements) |
| What is Being Evaluated: | Mandatory and Rated Requirements (Past experience and qualifications) |
| Deadline for Submission: | Tender Closing Date (Currently Dec. 11, 2019) |
| Submission Channels: | Physical Proposals by Courier or through ePost Connect |



Stage One - Phase One

Mandatory Requirements:

1. Licensing, Certification and Authorization

- The Proponent submitting the Proposal must be a **Civil/Structural Engineering Consultant**, licensed in the province of Ontario, or eligible to be licensed.

2. Consultant Team Identification

- Prime Consultant (Proponent) – Civil/Structural Engineer
- Key Personnel that need to be Proposed; Two (2) Civil/Structural Engineers (in-house), two (2) Hydrotechnical Engineers, and two (2) Geotechnical Engineers

3. Declaration/Certifications Form

- Appendix B, Declaration/Certifications Forms

4. Integrity Provisions

- Required Documentation - List of Names



Stage One - Phase One

Rated Requirements:

1. Achievements of Proponent on Similar Projects

2. Achievements of Key Personnel Delivering this Project

- Required information must be provided for each Key Personnel proposed from the Mandatory Criteria.

3. Criterion and Evaluation Table (scoring grid) included in the Request for Proposal.



Stage One – Phase Two

Process:

| | |
|---------------------------------|--|
| Proposal Format: | Oral Presentation with Slide deck (15 slides maximum) – 45 minute Presentation and 15 minute Question Period |
| What is Being Evaluated: | Rated Requirements (Approach and Methodology) |
| Deadline for Submission: | Stated on Invitations to Phase Two (Approximately 3 Weeks after Phase Two invitation is sent) |
| Submission Channels: | Directly through email to the Contracting Authority |



Stage One – Phase Two

Requirements:

1. Slide decks are submitted before presentation.
2. A maximum of four (4) people, including the required Key Personnel from each discipline may participate in the Presentation and Question Period.
3. Proponent teams must present the areas stated in the Request for Proposal.
 - I. Project Team
 - II. Strategy and Methodology
 - III. Risk Approach
 - IV. Innovation
 - V. Organization and Communication of Information
4. Criterion and Evaluation Table (scoring grid) included in the Request for Proposal.



Criterion and Evaluation Table

Criterion

| Criterion | Weight Factor | Rating | Weighted Rating |
|---|---------------|--------|-----------------|
| 1. Achievements of Proponent on Similar Projects Reference SRE 3.2.1.3 a) – e) | 3.0 | 0 - 10 | 0 - 30 |
| 2. Team's experience working together on previous projects Reference SRE 3.2.1.3 f) and 3.2.2.2 f) | 1.0 | 0 - 10 | 0 - 10 |
| 3. Qualifications of Structural Engineers to be assigned to this Project Reference SRE 3.2.2.2 a) - e) | 2.0 | 0 - 10 | 0 - 20 |
| 4. Qualifications of Hydrotechnical Engineers to be assigned to this Project Reference SRE 3.2.2.2 a) - e) | 2.0 | 0 - 10 | 0 - 20 |
| 5. Qualifications of Geotechnical Engineers to be assigned to this Project Reference SRE 3.2.2.2 a) - e) | 2.0 | 0 - 10 | 0 - 20 |
| Phase One Rating | 10.0 | | 0 - 100 |

Evaluation Table

| CRITERION | NON RESPONSIVE 0 point | INADEQUATE 2 points | WEAK 4 points | ADEQUATE 6 points | FULLY SATISFACTORY 8 points | STRONG 10 points |
|-----------|---|---|--|--|---|--|
| 1 | Did not submit information which could be evaluated | Sample projects not related to this requirement. Weaknesses in schedule control and project management cannot be corrected. | Sample projects generally not related to this requirement. Generally doubtful that weaknesses in schedule control and project management can be corrected. | Sample projects generally related to this requirement. Weaknesses in schedule control and project management can be corrected. | Sample projects directly related to this requirement. No significant weaknesses in schedule control and project management. | Sample projects are directly related to this requirement and Key Personnel in sample projects directly related to this requirement. No apparent weaknesses in schedule control and project management. |
| 2 | | Team proposed did not work together on past similar projects. | Half of the team proposed worked together on 1 past similar project. | Half of the team proposed worked together on 2 past similar projects OR full team worked together on 1 past similar project. | Full team proposed worked together on 2 past similar projects. | Full team proposed worked together on all 3 past similar projects. |
| 3-5 | | Key Personnel have extremely poor, insufficient experience to meet performance requirements. | Key Personnel lacks qualifications and experience. | Key Personnel have an acceptable level of qualifications and experience. | Key Personnel are qualified and experienced. | Key Personnel are highly qualified and experienced. |



Criterion

| | | | |
|---|-----|--------|--------|
| 3. Qualifications of Structural Engineers to be assigned to this Project Reference SRE 3.2.2.2 a) - e) | 2.0 | 0 - 10 | 0 - 20 |
|---|-----|--------|--------|



Submission Requirements and Evaluation (SRE)

3.2 Rated Requirements in Stage One - Phase One

2. Achievements of Key Personnel Delivering this Project

.2 Information that is to be supplied for each Engineering Team

Member:

- a) Name of the member and their Title;
- b) Current employer of the Key Personnel;
- c) All related and current professional accreditation and eligibility for professional licensure in Ontario;
- d) Description of expertise and experience (with number of years) relevant to the Project;
- e) Role, responsibility, degree and details of involvement of the individual in relevant past projects;

Criterion

| | | | |
|---|-----|--------|--------|
| 3. Qualifications of Structural Engineers to be assigned to this Project Reference SRE 3.2.2.2 a) - e) | 2.0 | 0 - 10 | 0 - 20 |
|---|-----|--------|--------|



Evaluation Table

| | | | | | | |
|-----|--|--|--|--|--|---|
| 3-5 | | Key Personnel have extremely poor, insufficient experience to meet performance requirements. | Key Personnel lacks qualifications and experience. | Key Personnel have an acceptable level of qualifications and experience. | Key Personnel are qualified and experienced. | Key Personnel are highly qualified and experienced. |
|-----|--|--|--|--|--|---|

Stage Two – Step One and Two

Stage Two to be undertaken with the Highest Ranked Technical Proponent (HRTP) determined by the highest Total Technical Score.

Stage Two – Step One

Project Requirement and Brief will be discussed and refined with the HRTP.

Once discussions are complete and the requirements are finalized, the HRTP will move on to Stage Two – Step Two.

Stage Two – Step Two

Price Proposal as well as any required price support documents to be submitted by the HRTP.

PWGSC may engage the HRTP to negotiate the price.

Additional Question Period

QUESTIONS

23

www.pspc-spac.gc.ca



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada

Canada

Questions or Requests for Clarification

All inquiries must be sent in writing to the Contracting Authority:

Michelle Nguyen

Telephone No.: 647-616-4174

Fax No.: 416-952-1257

E-mail: michelle.nguyen@pwgsc-tpsgc.gc.ca

