

**Question 1:** (Payment item #2 :cofferdam) In reference to UNIT PRICE TABLE, of the APPENDIX 1-COMBINED PRICE FORM, item #2 is calling for a quantity of 270 linear meter. In reference to drawing S004, take-off quantities are the following: Upstream Cofferdam: 72.4 meter; Downstream Cofferdam: 59.5 meter; Tie In cofferdam Stage 1: 21.2 meter; Tie In Cofferdam Stage 2: 21.2 meter; TOTAL : 174.3 meters. How will the Contractor would be remunerated regarding the Cofferdam with such a quantity difference? We propose that the cofferdam should be paid by a lump sum price.

**Answer 1:** Agreed. The Bidder shall provide a Lump Sum for the cofferdam and Appendix 1 (Combined Price Form) is revised accordingly.

**Question 2:** (Cast-in-place Concrete specification (03 30 00)) States "use of a low-alkali hydraulic cement". What is the maximum allowance? - Is slag an acceptable alternative for Flyash? - Please clarify C-1 (modified) 20mm aggregate and 40mm aggregate as 2.4.3 references Exposure Class F-1? - Achieving the 30MPa within 28 days does not allow to maximize SCM replacement based on the contractors requirements for maximum hydration temperature of 70 degrees as well as the temperature differential of 20 degrees, is it acceptable to achieve 35MPa within the 56 days?

Can you provide which unit price item that the stack stone reinstallation shall be included under? - Is contractor required to bid based on the concept cofferdam layout or can the contractor bid based on an alternate proposed layout? - Contractors quantity take-off for new concrete construction is +/- 3000 m3 compared to Owner's quantity of 3,200m3. Does Owner's quantity include wastage? - What is to be included in the pay items for Excavation Standby, Demolition Standby and Dewatering Standby?

**Answer 2:** The total alkali content of the cement as expressed as Na<sub>2</sub>O equivalent will be limited to less than 0.6%.  
Slag is an acceptable alternative and shall conform to CSA A3001.  
Concrete will be type C-1. Clause 2.4.3 will be revised.  
The 30 MPa at 28 day requirement has been relaxed to 25 MPa.  
Stacked Stone rehabilitation is part of the lump sum bid price.  
Cofferdam must be constructed in the same footprint and using the same materials as the concept within the tender package. All design constraints must be met including height, discharge capacity, phases etc.  
Quantities in the Unit Price Table including concrete quantity are estimated quantities and does not include wastage.  
Refer to section 01 35 46 of specifications.

**Question 3:** (Construction time line) In order to perform work and respect all constraints in specs, we ask Owner to revise CONSTRUCTION TIME from 60 weeks to 104 weeks.

**Answer 3:** The construction time line is as indicated in the Request for Proposal.

**Question 4:** (Gain Bent Plate) On drawing S011, Section B, is showing <<BENT PLATE (TYP.)>>. No other detail defines this bent plate. Please provide more information this Bent plate on embedded gain.

- Answer 4:** A revised version of drawing S011 is posted that answers this question.
- Question 5:** (Rip Rap Downstream/upstream) On drawing L001, Riprap zones are shown downstream and Up Stream of the dam. On Drawing C011, no section are shown for RipRap restoration upstream and downstream of the dam, neither on drawing C012. Please confirm if riprap has to be provided or not at those 2 locations. Please provide drawings and specs for the riprap.
- Answer 5:** Consider drawings C011 and C012 only and ignore Downstream/Upstream Rip Rap on drawing L001.
- Question 6:** (Rip Rap Section C) On drawing C012, section C, drawing is calling for <<HOLD ON RIPRAP THICKNESS AND GRADATION>>. In reference to the 2 types of riprap gradation, the price of supply is different. We need specifications for the supply keeping in mind that the price item for both type is the same. Please provide specs, including slope, thickness and type of riprap to be supplied and installed.
- Answer 6:** A revised version of drawing C012 (16-006-002\_C012\_Rev.B\_V.02.01) is posted that answers this question.
- Question 7:** (Appendix 5 – Evaluation Criteria and Selected Methodology) In Appendix 5, item 1.1 Marine Construction Work Experience: “The Bidder shall provide three (3) reference heavy civil marine construction projects (...) successfully completed by the Bidder within the last ten (10) years with a minimum construction value of \$20,000,000 each”. For “the Cofferdam, Dewatering and Diversion Experience”, item 1.2, no specific clause ask project to be completed. Please confirm that the criteria of “successfully completed” construction projects applies also for the Cofferdam and Dewatering requirements.
- Answer 7:** The Cofferdam, Dewatering and Diversion Experience projects can be ongoing.
- Question 8:** (Appendix 5 – Evaluation Criteria and Selected Methodology) In Appendix 5, item 1.1 Marine Construction Work Experience criteria refer to provide information regarding the type and methodology of cofferdam. Please confirm that similar references to the proposed cofferdam such as steel, combi-wall or sheet piles, will be scored higher under the evaluation.
- Answer 8:** Construction methodology, scope and relevance are all considered.
- Question 9:** (Municipal by-law) Please confirm that according to applicable municipal By-Law, no night work will be allowed under this contract.
- Answer 9:** Incorrect, the local municipality can grant an exemption to their own by-laws. It is the responsibility of the Bidder to seek out these exemptions to support their activities.
- Question 10:** (Schedule – Work) In reference to the Bid and Acceptance FORM, at item BA04 BID VALIDITY PERIOD: “The bid must not be withdrawn for a period of 60 days following the date of solicitation closing.” With a Bid Closing on November 1st, Contract could be award on December 31st 2018. All necessary submissions preceding the Historical Canal Permit and the Start Work Order can reasonably take up to 4 weeks in order to be complete and

final. In reference to SECTION 01 33 00, item 1.4.4: "Allow a minimum of up to 20 working days for Departmental Representative's review of each submission." With all this together, the Contractor could receive the Authorization to start on site as late as: February 18, 2019. All required work to allow demolition of dam before In-Water Work Restriction are the following: Deforestation, Access road, Mobilization, Cofferdam Construction including water level control system, In-water sealing Effort. All this amount of work is impossible to be performed before In-Water Work Restriction of March 15. Please take in consideration for the evaluation of the CONSTRUCTION TIME the fact that construction of the cofferdam can only start on July 15th 2019.

**Answer 10:** The Bid Validity Period remains 60 days.

**Question 11:** (Technical Proposition submission) In reference to S105 SUBMISSION OF BID, point 3.4) and in order to provide a comprehensive document, please allow a maximum of 60 pages for the technical proposition submission.

**Answer 11:** The maximum number of pages is 40 as indicated in section SI05 (Submission of Bid).