



## RETURN BIDS TO:

## RETOURNER LES SOUMISSIONS À:

PWGSC/TPSGC Acquisitions Bid Receiving  
Box/Boîte de Réception des Soumissions  
Bid Receiving Box/Boîte de Récepti  
1st Floor/1<sup>ère</sup> étage, Suite 1212  
100-1045 Main Street  
Moncton  
New Brunswick  
E1C 1H1  
Bid Fax: (506) 851-6759

## REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

### Proposal To: Public Works and Government Services Canada

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

### Proposition aux: Travaux Publics et Services Gouvernementaux Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

### Comments - Commentaires

### Vendor/Firm Name and Address

Raison sociale et adresse du  
fournisseur/de l'entrepreneur

### Issuing Office - Bureau de distribution

Acquisitions NB/PEI (Moncton Office) – Bureau  
d'acquisitions N.-B./Î.-P.-É. (Moncton)  
1045 Main Street / 1045, rue Main  
Moncton  
New Bruns  
E1C 1H1

<b>Title - Sujet</b> Submersible Mixers	
<b>Solicitation No. - N° de l'invitation</b> F4758-190016/B	<b>Date</b> 2019-10-07
<b>Client Reference No. - N° de référence du client</b> F4758-190016	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$MCT-041-5626	
<b>File No. - N° de dossier</b> MCT-9-42029 (041)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-11-18</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Atlantic Standard Time AST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Owens (MCT), Shannon	<b>Buyer Id - Id de l'acheteur</b> mct041
<b>Telephone No. - N° de téléphone</b> (506) 962-5402 ( )	<b>FAX No. - N° de FAX</b> (506) 851-6759
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> FISHERIES AND OCEANS CANADA 343 UNIVERSITE AVE P.O.BOX 5030 MONCTON New Brunswick E1C9B6 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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This bid solicitation cancels and supersedes previous bid solicitation number F4758-190016/A dated 2019-08-01 with a closing of 2019-09-10 at 14:00 ADT. A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.

## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirements**

There are no security requirements associated with this requirement.

### **1.2 Requirement - Bid**

The requirement is detailed under Article 6.2 of the resulting contract clauses.

### **1.3 Debriefings**

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

### **1.4 Trade Agreements**

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Canadian Free Trade Agreement (CFTA).

### **1.5 epost Connect service**

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

## **PART 2 - BIDDER INSTRUCTIONS**

### **2.1 Standard Instructions, Clauses and Conditions**

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2019/03/04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Solicitation No. - N° de l'invitation  
F4758-190016/B  
Client Ref. No. - N° de réf. du client  
F4758-190016

Amd. No. - N° de la modif.  
File No. - N° du dossier  
MCT-9-42029

Buyer ID - Id de l'acheteur  
mct041  
CCC No./N° CCC - FMS No./N° VME

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 120 days

### 2.1.1 SACC Manual Clauses

SACC Reference	Section	Date
C9000T	Pricing	2010/08/16

## 2.2 Submission of Bids

Bids must be submitted only to the Public Works and Government Services Canada (PWGSC) Bid Receiving Unit specified below by the date and time indicated on page 1 of the bid solicitation:

PWGSC Acquisitions, Bid Receiving Box  
1st Floor, Suite 1212  
100-1045 Main Street  
Moncton, NB E1C 1H1

Email: [TPSGC.RARceptionSoumisNBPE-ARBidReceivingNBPE.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.RARceptionSoumisNBPE-ARBidReceivingNBPE.PWGSC@tpsgc-pwgsc.gc.ca)

**Note:** Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions 2003, or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

Facsimile number: (506) 851-6759

### 2.2.1 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least seven (7) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

## 2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is

eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

## **2.4 Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in New Brunswick.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid  
Section II: Financial Bid  
Section III: Certifications  
Section IV: Additional Information

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of hard copy of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### **Section I: Technical Bid**

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

#### **Section II: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment.

##### **3.1.1 Electronic Payment of Invoices – Bid**

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "D" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "D" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

##### **3.1.2 Exchange Rate Fluctuation**

[C3011T](#) (2013/11/06), Exchange Rate Fluctuation

#### **Section III: Certifications**

Bidders must submit the certifications and additional information required under Part 5.

### **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

#### **4.1 Evaluation Procedures**

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### **4.1.1 Technical Evaluation**

##### **4.1.1.1 Mandatory Technical Criteria**

Mandatory Technical Criteria as specified in Annex "C"

#### **4.1.2 Financial Evaluation**

SACC Manual Clause [A0220T](#) (2014/06/26), Evaluation of Price - Bid

#### **4.2 Basis of Selection**

##### **4.2.1 Basis of Selection - Mandatory Technical Criteria**

SACC Manual Clause [A0031T](#) (2010/08/16), Basis of Selection - Mandatory Technical Criteria

### **PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION**

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

#### **5.1 Certifications Required with the Bid**

Bidders must submit the following duly completed certifications as part of their bid.

##### **5.1.1 Integrity Provisions - Declaration of Convicted Offences**

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

#### **5.2 Certifications Precedent to Contract Award and Additional Information**

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

### 5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

### 5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

## PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### 6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

### 6.2 Requirement - Contract

The Contractor must provide the items detailed under the "Requirement" at Annex "A".

### 6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

#### 6.3.1 General Conditions

[2010A](#) (2018/06/21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### 6.4 Term of Contract

#### 6.4.1 Delivery Date

All the deliverables must be received on or before March 31, 2020.



## 6.5 Authorities

### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Shannon Owens  
Title: A/Supply Officer  
Public Services and Procurement Canada  
Acquisitions Branch  
Address: 1045 Main Street, 4<sup>th</sup> Floor  
Moncton, NB E1C 1H1  
Telephone: (506) 962-5402  
Facsimile: (506) 851-6759  
E-mail address: shannon.owens@pwgsc-tpsgc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

### 6.5.2 Technical Authority

The Technical Authority for the Contract is:

Details will be provided in any resulting contract

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### 6.5.3 Contractor's Representative (Bidder please complete)

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail: \_\_\_\_\_

## **6.6 Payment**

### **6.6.1 Basis of Payment - Firm Price**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price as specified in Annex B, Basis of Payment. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

### **6.6.2 Single Payment**

SACC Manual clause [H1000C](#) (2008/05/12), Single Payment

### **6.6.3 Electronic Payment of Invoices – Contract**

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

(As identified in Annex "D")

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

## **6.7 Invoicing Instructions**

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
  - (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

## **6.8 Certifications and Additional Information**

### **6.8.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

## 6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in New Brunswick.

## 6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2018/06/21), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Mandatory Technical Criteria
- (f) the Contractor's bid dated \_\_\_\_\_

## 6.11 SACC Manual Clauses

SACC Reference	Section	Date
A9068C	Government Site Regulations	2010/01/11
B1501C	Electrical Equipment	2018/06/21
B7500C	Excess Goods	2006/06/16
G1005C	Insurance – No Specific Requirement	2016/01/28
D1008C	Delivery and Unloading	2007/11/30

## 6.12 Shipping Instructions - FOB Destination and DDP

Goods must be consigned and delivered to the destination specified in the contract:

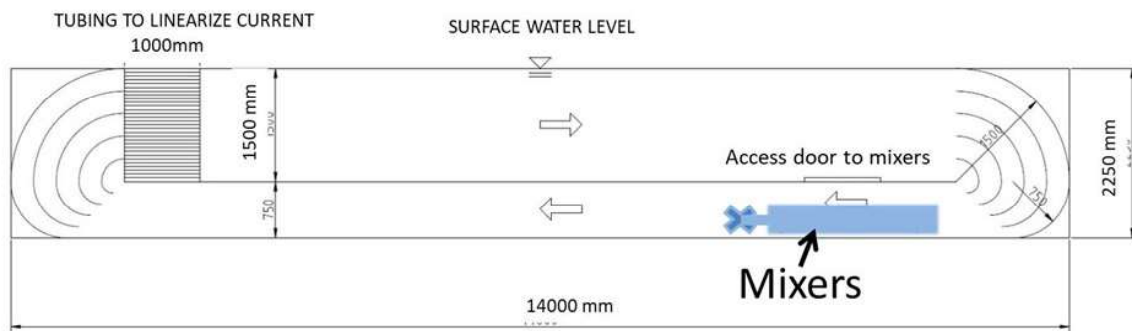
FOB Destination (Fisheries and Oceans Canada, 343 Université Avenue, Moncton, New Brunswick E1C 9B6) including all delivery charges and customs duties and Applicable Taxes.

## ANNEX "A" - REQUIREMENT

### SCOPE:

Public Services and Procurement Canada, on behalf of Fisheries and Oceans Canada, (343 Université Avenue Moncton, New Brunswick E1C 9B6) has a requirement to procure two (2) Submersible Mixers. The function of this mechanical hardware will be to create water motion in a large flow tank intended for estuarine biological research. The tank size is 2.00 m (width) x 2.25 m (depth) x 14.00 m (length). The tank holds 63 m<sup>3</sup> of water.

The tank will be split into a bottom and a top section along most of its length, and the two sections will communicate at the two ends of the tank (see diagram below). Water will flow in a closed loop in the following manner: it will flow in one direction through the bottom section, drive through radial channels at one end of the tank to change the flow direction by 180 degrees, pass through a turbulence reducing device, flow over the top section, and again turn 180 degrees at the other end of the tank to return to the bottom section. The tank will be used for biological studies in seawater (4 to 18 °C) flows ranging from 1 to 20 cm/s. It was determined, in a hydrological engineering study, that the desired way to create these variable currents was to use two submersible mixers affixed to the floor of the tank in the first third of the bottom section (see diagram below).



Width of tank: 2.00 m  
Water depth: 2.25 m  
Length of tank: 14.00 m  
Water volume: 63 m<sup>3</sup>

### MANDATORY REQUIREMENTS:

1. Two (2) submersible mixers, each meeting the following requirements:
  - a. Powered by 575-V to 600-V, 60 Hz, 3-phase current
  - b. IP-68 dust and water protection rating
  - c. Flow capacity of 300 L/s at 300 mm head and a minimum thrust of 600 N, generated by a minimum motor power of 4HP (2.9 Kw)
  - d. 316 stainless steel propeller, to be used in seawater, with a maximum diameter of 40 cm
  - e. Jet ring with maximum outer diameter of 600 mm
  - f. Set of zinc sacrificial anodes to minimize mixer corrosion in seawater
  - g. Floor mounting kit or plate enabling the fastening of the mixer to the bottom of the tank
  - h. Power cables with minimum length of 12 m

2. Two (2) variable speed drives with specifications appropriate to control independently the two mixers' rotation speed. SS316 casing is unnecessary for these control units as we can find other means to protect them from corrosion. However it is essential that the speed can be adjusted in a manner similar to a dimmer light switch, such that the operator can progressively increase speed from null to full capacity. A dual (low/high) speed control is insufficient.
3. Two (2) dv/dt output current filters with specifications appropriate to protect each mixer from surcharges. These current filters are required only if power cable length is 15.24 m (50 ft) or longer; current filters are not required if cable length is between 12 m to 15.23 m (12m being the minimum cable length, as per Item 1 ( h ).
4. Required electrical cables and connectors to connect the two mixers, variable speed drives and output filters.

**DELIVERY REQUIREMENTS:**

Two (2) submersible mixers must be delivered to:

Fisheries and Oceans Canada  
343 Université Avenue  
Moncton, New Brunswick E1C 9B6

Submersible mixers must be delivered by **March 31, 2020**.

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Buyer ID - Id de l'acheteur  
mct041  
CCC No./N° CCC - FMS No./N° VME

## ANNEX "B" – BASIS OF PAYMENT

Item	Description	Quantity	Unit Price	Extended Price
1	For the supply and delivery of two (2) submersible mixers and components as per the Requirement at Annex "A"	2	\$	\$
Total =				\$
Applicable Taxes Extra				

MAKE/MODEL OFFERED: \_\_\_\_\_

## ANNEX "C" - TECHNICAL EVALUATION CRITERIA

### MANDATORY REQUIREMENTS:

Bids MUST meet the mandatory requirements specified below. To demonstrate that all requirements of the technical specifications are respected, bidders MUST respond with complete specifications and/or descriptive literature of the equipment being offered.

**The complete specifications and/or descriptive literature should be submitted with the proposal** but may be submitted afterwards. If the complete specifications and/or descriptive literature are not submitted with the proposal, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet this requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

Any proposal which fails to meet all mandatory specifications and requirements will be deemed nonresponsive. Each requirement should be addressed separately.

Any changes to the requirement and/or questions will be answered with an amendment to the solicitation and posted on the Government Electronic Tendering System (GETS) at [www.buyandsell.gc.ca](http://www.buyandsell.gc.ca).

### Technical Specifications for: Submersible Mixers

Technical Specifications		Supplier's Cross Reference to Technical Offer (indicate Page #)	Supplier Comments
Item	Description		
1	Two (2) submersible mixers, each meeting the following requirements		
a	Powered by 575-V (minimum) to 600-V (maximum), 60 Hz, 3-phase current		
b	IP-68 dust and water protection rating		
c	Flow capacity of 300 L/s at 300 mm head and a minimum thrust of 600 N, generated by a minimum motor		
d	316 stainless steel propeller, to be used in seawater, with a maximum diameter of 40 cm		
e	Jet ring with maximum outer diameter of 600 mm		
f	Set of zinc sacrificial anodes to minimize mixer corrosion in seawater		
g	Floor mounting kit or plate enabling the fastening of the mixer to the bottom of the tank		
h	Power cables with minimum length of 12 m		
2	Two (2) variable speed drives with specifications appropriate to control independently the two mixers' rotation speed. SS316 casing is unnecessary for these control units. However it is essential that the speed can be adjusted in a manner similar to a dimmer light switch, such that the operator can		

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	progressively increase speed from null to full capacity. <i>(A dual low/high speed control is insufficient.)</i>		
3	Two (2) dv/dt output current filters with specifications appropriate to protect each mixer from surcharges. These current filters are required only if power cable length is 15.24 m (50 ft) or longer; current filters are not required if cable length is between 12 m* to 15.23 m <i>*12m being the minimum cable length, as per Item 1 (h).</i>		
4	Required electrical cables and connectors to connect the two mixers, variable speed drives and output filters.		

**DELIVERY REQUIREMENTS:**

Two submersible mixers must be delivered to:

Fisheries and Oceans Canada  
343 Université Avenue  
Moncton, New Brunswick  
E1C 9B6

Submersible mixers must be delivered no later than **March 31, 2020**.

I certify that \_\_\_\_\_ can meet the above mandatory delivery requirements.  
(Company Name)

\_\_\_\_\_  
(Print Name)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)



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## **ANNEX “D” to PART 3 OF THE BID SOLICITATION - ELECTRONIC PAYMENT INSTRUMENTS**

The Bidder accepts any of the following Electronic Payment Instrument(s):

- ( ) VISA Acquisition Card;
- ( ) MasterCard Acquisition Card;
- ( ) Direct Deposit (Domestic and International);
- ( ) Electronic Data Interchange (EDI);
- ( ) Wire Transfer (International Only);
- ( ) Large Value Transfer System (LVTS) (Over \$25M)

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**ANNEX "E" - COMPLETE LIST OF EACH INDIVIDUAL WHO ARE CURRENTLY DIRECTORS  
AND/OR OWNERS OF THE BIDDER**

Complete Legal Name of Supplier: \_\_\_\_\_

Supplier Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Supplier Procurement Business Number (PBN): \_\_\_\_\_

**NOTE TO BIDDERS: WRITE DIRECTORS' AND/OR OWNERS' SURNAMES AND GIVEN NAMES**

NAME	JOB TITLE / POSITION

Include additional names on a separate sheet if required.