



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**

**1550 D'Estimauville Avenue
1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7**

FAX pour soumissions: (418) 648-2209

**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

TPSGC/PWGSC
BFC Bagotville, CP 380
CFB Bagotville, PO Box 380
Bâtiment 62, local 112
Building 62, Room 112
Alouette
Québec
G0V1A0

Title - Sujet Manufacture, Wooden Floating Docks	
Solicitation No. - N° de l'invitation F3731-160150/A	Date 2016-11-23
Client Reference No. - N° de référence du client F3731-160150	
GETS Reference No. - N° de référence de SEAG PW-\$BAL-001-16949	
File No. - N° de dossier BAP-6-39284 (001)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-12-14	Time Zone Fuseau horaire Heure Normale du l'Est HNE
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: Tremblay, Marial	Buyer Id - Id de l'acheteur bal001
Telephone No. - N° de téléphone (418) 677-4000 (4159)	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Havre de Grande-Rivière Gaspésie (Québec) G0C 1V0 / Fishing Harbour of Grande-Riviere Gaspesia, Quebec, Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein	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

MANUFACTURE OF WOODEN FLOATING DOCKS

FISHERIES AND OCEANS CANADA FISHING HARBOUR OF GRANDE-RIVIERE, GASPESIA, QUEBEC, CANADA

TABLE OF CONTENTS (applicable only for the Document 2 of 2)

PART 1 - GENERAL INFORMATION.....	4
1.1 Requirement	4
1.2 Debriefings.....	4
1.3 Trade Agreements	4
1.4 Canadian Content	4
PART 2 - BIDDER INSTRUCTIONS.....	5
2.1 Standard Instructions, Clauses and Conditions.....	5
2.2 Submission of Bids	5
2.3 Enquiries - Bid Solicitation	6
2.4 Applicable Laws	6
PART 3 - BID PREPARATION INSTRUCTIONS	7
3.1 Bid Preparation Instructions.....	7
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	8
4.1 Evaluation Procedures.....	8
4.1.1 Proposal Evaluation.....	8
4.1.2 Financial Evaluation	8
4.2 Basis of Selection	8

PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION..... 9

5.1	Certifications Required with the Bid.....	9
5.1.1	Integrity Provisions - Declaration of Convicted Offences.....	9
5.2	Certifications Precedent to Contract Award and Additional Information.....	9
5.2.1	Integrity Provisions – Required Documentation.....	9
5.2.2	Federal Contractors Program for Employment Equity - Bid Certification.....	10
5.2.3	Canadian Content Certification.....	10
5.2.3.1	Canadian Content Definition.....	10

PART 6 - RESULTING CONTRACT CLAUSES..... 11

6.1	Requirement.....	11
6.2	Standard Clauses and Conditions.....	11
6.2.1	General Conditions.....	11
6.3	Term of Contract.....	11
6.3.1	Delivery Period.....	11
6.4	Authorities.....	12
6.4.1	Contracting Authority.....	12
6.4.2	Technical Authority.....	12
6.4.3	Contractor's Representatives.....	13
6.5	Payment.....	13
6.5.1	Basis of Payment - Firm Unit and Lot Prices.....	13
6.5.2	SACC Manual Clause.....	13
6.6	Invoicing Instructions.....	14
6.7	Certifications and Additional Information.....	14
6.7.1	Compliance.....	14
6.7.2	Canadian Content Certification.....	14
6.8	Applicable Laws.....	15
6.9	Priority of Documents.....	15
6.10	Work Site Access.....	15
6.11	Shipping Instructions - Delivery at Destination.....	15
6.12	Unloading.....	15

ANNEX A - REQUIREMENT

16

A.1 Annex A

16

ANNEX B - BASIS OF PAYMENT

17

B.1 Annex B

17

ANNEX C - Presentation of your bid

18

C.1 Check List

18

Solicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F3731-160150/A

bal001

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F3731-160150 (P 721206-005)

BAP-6-39284

PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed under Article 6.1 of the resulting contract clauses.

1.2 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.

1.3 Trade Agreements

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).

1.4 Canadian Content

The requirement is limited to Canadian goods and/or services.

Solicitation No. - N° de l'invitation

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F3731-160150/A

bal001

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CCC No./N° CCC - FMS No./N° VME

F3731-160150 (P 721206-005)

BAP-6-39284

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>) 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 (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids

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

Your proposal can be transmitted by fax to # 418-648-2209 or by mail to the following address:

Bid Receiving Unit
Public Works and Government Services Canada (PWGSC)
1550 D'Estimauville Avenue
Quebec City, Quebec, Canada, G1J 0C7

Solicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

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F3731-160150/A

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CCC No./N° CCC - FMS No./N° VME

F3731-160150 (P 721206-005)

BAP-6-39284

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) 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 Quebec, Canada.

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

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (1 hard copy)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

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 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 (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). 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. The total amount of Applicable Taxes must be shown separately.

Section III: Certifications

Bidders must submit the certifications 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.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Proposal Evaluation

The products offered must meet the requirements of Annex A - Requirement.

4.1.2 Financial Evaluation

The total price of each bid will be established using the following criteria:

- (a) Bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded. For evaluation purposes, bids received in a foreign currency will be converted to Canadian funds using the appropriate rate of exchange using the rate quoted by the Bank of Canada as being in effect on date of bid closing.
- (b) Bidders must submit their prices DDP destination; Delivered Duty Paid.

4.2 Basis of Selection

A bid must comply with all requirements of the bid solicitation to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

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 Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, 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 Ineligibility and Suspension Policy (<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 website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed).

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.

5.2.3 Canadian Content Certification

This procurement is limited to Canadian goods and Canadian services.

The Bidder certifies that:

- () a minimum of 80 percent of the total bid price consist of Canadian goods and Canadian services as defined in paragraph 5 of clause A3050T.

For more information on how to determine the Canadian content for a mix of goods, a mix of services or a mix of goods and services, consult Annex 3.6.(9), Example 2, of the Supply Manual <https://buyandsell.gc.ca/policy-and-guidelines/supply-manual/annex/3/6>

Bidders should submit this certification completed with their bid. If the certification is not completed and submitted with the bid, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to submit this completed certification. Failure to comply with the request of the Contracting Authority and submit the completed certification will render the bid non-responsive.

5.2.3.1 Canadian Content Definition

SACC Manual clause A3050T (2014-11-27) Canadian Content Definition

PART 6 - RESULTING CONTRACT CLAUSES

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

Notice: Numbering will be revised at contract award

6.1 Requirement

The Contractor shall manufacture and deliver wooden floating docks, in accordance with the Requirement at Annex A.

6.2 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>) issued by Public Works and Government Services Canada.

6.2.1 General Conditions

2010A (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3 Term of Contract

6.3.1 Delivery Period

All the deliverables must be received within a period of seventy (70) calendar days after the contract is awarded or after January 8, 2017, whichever is the later

*Take note that due to the holiday season, even if the contract is awarded prior to January 8, 2017, the delivery period of 70 calendar days will begin only after the contract is awarded or after January 8, 2017, whichever is the later.

6.4 Authorities

6.4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Marial Tremblay
Title: Supply specialist
Telephone: 418-677-4000, ext.: 4159
E-mail address: Marial.Tremblay@pwgsc.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.

6.4.2 Technical Authority

The Technical Authority for the Contract is:

(to be completed at contract award by PWGSC)

Name: _____
Title: _____
Telephone No.: _____
Facsimile No.: _____
E-mail Address: _____

The Technical Authority 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.

6.4.3 Contractor's Representatives

Name and telephone number of the person responsible for :

(a) Contract Manager:

Name: _____

Title: _____

Telephone No.: _____

Facsimile No.: _____

E-mail Address: _____

(b) Delivery Follow up:

Name: _____

Title: _____

Telephone No.: _____

Facsimile No.: _____

E-mail Address: _____

6.5 Payment

6.5.1 Basis of Payment - Firm Unit and Lot Prices

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm unit and lot prices, as specified in Annex " B " for a cost of \$ _____ (to be completed at contract award by PWGSC). 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.

6.5.2 SACC Manual Clause

Number	Date	Title
H1001C	2008-05-12	Multiple Payments

6.6 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:

The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

6.7 Certifications and Additional Information

6.7.1 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.

6.7.2 Canadian Content Certification

1. The Contractor warrants that the certification of Canadian Content submitted by the Contractor is accurate and complete, and that the goods, services or both to be provided under the Contract are in accordance with the definition contained in clause A3050T.
2. The Contractor must keep proper records and documentation relating to the origin of the goods, services or both provided to Canada. The Contractor must not, without obtaining before the written consent of the Contracting Authority, dispose of any such records or documentation until the expiration of six (6) years after final payment under the Contract, or until settlement of all outstanding claims and disputes under the Contract, whichever is later. All such records and documentation must at all times during the retention period be open to audit, inspection and examination by the representatives of Canada, who may make copies and take extracts. The Contractor must provide all facilities for such audits, inspections and examinations, and must furnish all such information as the representatives of Canada may from time to time require with respect to such records and documentation.
3. Nothing in this clause must be interpreted as limiting the rights and remedies which Canada may otherwise have pursuant to the Contract.

6.8 Applicable Laws

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

6.9 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 (2016-04-04), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment; and
- (e) the Contractor's bid dated _____ (to be completed at contract award by PWGSC)

6.10 Work Site Access

Authorized representatives of Canada must have access to any site where any part of the Work is being carried out at any time during working hours to make examinations and such tests of the Work as they may think fit.

6.11 Shipping Instructions - Delivery at Destination

Goods must be consigned to the destinations specified in the Contract and delivered Delivered Duty Paid (DDP):

Fishing Harbour of Grande-Rivière
Gaspesia, Quebec, G0C 1V0

➤ Lat : 48° 23' 40.11" North, Long.: 64°29' 42.03" West

Incoterms 2000 for shipments from a commercial contractor.

6.12 Unloading

1. Delivery trucks must be equipped with an unloading device which will permit unloading at sites with no hydraulic, stationary or other type of unloading facility.
2. When making deliveries, sufficient personnel must be provided to permit unloading of any type of vehicle without the assistance of federal government personnel.

Solicitation No. - N° de l'invitation

F3731-160150/A

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

F3731-160150 (P 721206-005)

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BAP-6-39284

Buyer ID - Id de l'acheteur

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CCC No./N° CCC - FMS No./N° VME

ANNEX A - REQUIREMENT

A.1 Annex A

Annex A attached hereto is to be inserted at this point and forms part of this document.

Solicitation No. - N° de l'invitation

F3731-160150/A

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BAP-6-39284

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ANNEX B - BASIS OF PAYMENT



B.1 Annex B

Annex B attached hereto is to be inserted at this point and forms part of this document.

ANNEX C - PRESENTATION OF YOUR BID

C.1 Check List

Below is a checklist of the contents of your bid. This list is not an exhaustive list; it remains the Bidder's responsibility to prepare its bid in accordance with the instructions contained in the Request For Proposal (RFP) and provide a comprehensible and sufficiently detailed bid, including all requested pricing details that will permit a complete evaluation in accordance with the criteria set out in the RFP.

Pagination of <u>Document 1 of 2</u> (document of one page only)	
Page 1 	Bidders should include with their bid, the first sheet of this RFP properly completed and signed. Refer to 2003 Standard Instructions mentioned in clause 2.1 Standard Instructions, Clauses and Conditions .
Pagination of <u>Document 2 of 2</u> (document of 18 pages)	
Page 5 	Bidders must submit their bid only to the address indicated in clause 2.2 Submission of Bids .
Page 9	<u>Applicable only if an offence has been committed</u> Bidders must provide with their bid the required documentation as indicated Clause 5.1.1 Integrity Provisions - Declaration of Convicted Offences .
Page 9	Bidders must provide with their bid or promptly thereafter a list of names as indicated in clause 5.2.1 Integrity Provisions - Required Documentation . ➤ Please refer to section " 17. Information to be provided when bidding, contracting or entering into a real property agreement " of the following Web site: http://www.tpsqc-pwgsc.gc.ca/ci-if/politique-policy-eng.html
Page 10	Bidders should submit with their bid, clause 5.2.3 Canadian Content Certification properly completed.
Page 13	Bidders should submit with their bid, clause 6.4.3 Contractor's Representatives properly completed.
ANNEX B - BASIS OF PAYMENT (2 pages)	Bidders must include with their bid, ANNEX B - BASIS OF PAYMENT duly completed.

ANNEX A - REQUIREMENT

Manufacture of floating docks
Harbour of Grande-Rivière
Project n° 721206

Technical Specifications

Page 1



Part 1 General

1.1 SCOPE OF WORK

- .1 This list of work is not necessarily complete and does not relieve the Contractor of their responsibility for executing any other work, change or modification required in addition of those listed herein, at the satisfaction of the Departmental Representative.
- .2 Manufacture of wooden floating docks for the fishing harbour of Grande-Rivière, comprises, but is not limited to:
 - .1 Supply of material for manufacture of 40 floating docks.
 - .2 Manufacture of 40 floating docks.
 - .3 Delivery of floating docks and accessories at the fishing harbour of Grande-Rivière.

1.2 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CAN/CSA G40.20/G40.21, General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel.
 - .2 CAN/CSA O80, Wood preservation.
 - .3 CSA W47.1, Certification of Companies for Fusion Welding of Steel Structures.
 - .4 CSA W48, Filler Metals and Allied Materials for Metal Arc Welding.
 - .5 CSA W59, Welded Steel Construction (Metal Arc Welding).
- .2 All items which are part of the fabrication of steel components shall be designed and built in compliance with current codes and standards, including Standard CAN/CSA-G40.20 General Requirements for Rolled or Welded Structural Quality Steel and G40.21, Structural Quality Steel.
- .3 The Contractor shall be responsible for referring to all codes and standards applicable to the different construction elements and related materials. The Contractor shall comply with the latest edition and revision of all American Society for Testing and Materials International (ASTM) and Canadian Standards Association (CAN/CSA) documents and other applicable standards.

1.3 WORK EXTENT

- .1 Work included in this project comprises the supply of all material, labour, tools, equipment, protection and transportation required for fabricating and completing work in compliance with the requirements stated herein.
- .2 Co-ordination and allocation of work among subcontractors is the sole responsibility of the General Contractor and no reference to subcontractors in these documents shall be construed as binding Department of Fisheries and Oceans with respect to any such allocation.

1.4 WORK SEQUENCE

- .1 Construct Work in stages, and if possible, as directed by Departmental Representative.
- .2 Coordinate Progress Schedule with Departmental Representative.
- .3 The work must observe the following schedule:
 - .1 Work shall begin upon receipt of the notice of acceptance of the offer and manufacture and transport shall be completed no later than seventy (70) civils days after contract award.
- .4 Sequence activities to limit exposure of partially constructed work to waves, ice and snow storms. Damages to new structures, partially constructed or approved, prior to substantial completion, due to Contractor or subcontractor operations, shall be repaired by Contractor at no additional cost for Departmental Representative.

1.5 SUBMITTALS PROCEDURES

- .1 Submit to Departmental Representative within 10 working days of Notice of acceptance of the offer, the Bar (GANTT) Chart as Master Plan for planning, monitoring and reporting of project progress.
- .2 Provide shop drawings or data sheets of floating dock components:
 - .1 Bolt products
 - .2 Galvanized steel components
 - .3 Treated wood
 - .4 High density buoyancy billets

1.6 SHOP DRAWINGS

- .1 Submit shop drawings, including shaping and assembly, as well as a list of equipment and materials.
- .2 Erection drawings: indicate details and information necessary for assembly and erection purposes including:
 - .1 Description of work methods.
 - .2 Sequence of erection.
 - .3 Type of equipment used in erection.
- .3 Verify that all drawings provided for assembly, constitutive and component elements designed by a fabricator/shaper bear the seal and signature of a competent registered engineer qualified to practice in Canada and the Province of Québec.

1.7 QUALITY ASSURANCE

- .1 Trial reports: submit trial reports certifying that products, materials and equipment meet the specifications in terms of physical characteristics and performance criteria.
 - .1 Mill test reports to show chemical and physical properties and other details of steel to be incorporated in project.
 - .2 Provide mill test reports certified by metallurgists qualified to practice in province of Quebec, Canada.

ANNEX A - REQUIREMENT

Manufacture of floating docks
Harbour of Grande-Rivière
Project n° 721206

Technical Specifications

Page 3

- .2 Provide structural steel Fabricator's affidavit stating that materials and products used in fabrication conform to applicable material and products standards specified and indicated.

1.8 QUALITY CONTROL

- .1 The Departmental Representative will be responsible for obtaining services from independent trial and inspection firms.
- .2 Work fabrication will be inspected under a 10% sampling.
 - .1 Welding works shall be done in accordance with drawings and specifications and in conformity with the requirements of CAN/CSA W59-03 Welded Steel Construction (Metal Arc Welding). The respect of welding procedures will be checked during fabrication. Weldings will be inspected according to article 12 of CAN/CSA W59. The fillet welds will be inspected visually and by magnetic particles. Complete penetration weldings will be inspected visually and by magnetic particles.
- .3 Work performed by trial and inspection firms does not relieve the Contractor from their responsibility to execute work in compliance with contract document requirements.
- .4 Provide safe access and working areas for testing on site, as required by testing agency and as authorized by Departmental Representative.
- .5 Remove defective or deemed non-compliant with the contract documents and rejected by the Departmental Representative, either because they were not conducted according to the rules of the art, either because they were made of materials or defective products, even if they have already been included in structure. Replace or repair components as required by the contract documents.

1.9 TRANSPORTING, STORING AND HANDLING

- .1 Packing, Shipping, Handling and Unloading:
 - .1 Deliver, store, handle and protect materials in accordance with Section 01 61 00 – Basic Product Requirements.
 - .2 Handle steel pieces so as to avoid permanent deformations.
 - .3 Handle with care steel pieces that have received a special coating.
- .2 Storage and Protection:
 - .1 Leave protective covering in place until final cleaning of building. Provide instructions for removal of protective covering.

1.10 MEASUREMENT METHOD

- .1 Item n° 1 – Material for Floating Docks
 - .1 This item will be measured as a lump sum price and includes acquisition of material for manufacture of floating docks and steel components.
 - .1 The item is broken down as follows:
 - .1 Wood
 - .2 High density Buoyancy billets

ANNEX A - REQUIREMENT

Manufacture of floating docks
Harbour of Grande-Rivière
Project n° 721206

Technical Specifications

Page 4

- .3 Bolt product
 - .4 Steel plates
 - .2 Item n° 2 – Floating Docks Manufacture
 - .1 This item will be measured as a lump sum price and includes equipment, material and labour for the fabrication of floating docks and steel components and galvanization of steel components.
 - .1 The item is divided as follows:
 - .1 Floating Docks
 - .2 Galvanized Steel Components
 - .3 Assembling
 - .3 Item n° 2 – Transportation
 - .1 The item will be measured as a global unit and include transportation and offloading of components at the specified destinations.

Part 2 Products

2.1 MATERIALS

- .1 Steel:
 - .1 Structural steel: in accordance with Standard CAN/CSA-G40.20/G40.21, Shade 300W or as per specifications.
 - .2 Welding materials: in accordance with Standard CSA W59 and approved by the Canadian Welding Bureau.
 - .3 Welding electrodes: in accordance with Series CSA W48 standards.
 - .4 Hot dip galvanizing: as per indications, galvanized steel elements in accordance with CAN/CSA-G164, with minimum zinc coating of 600 g/m² or with ASTM A123/123M, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Production.
 - .1 Galvanize the various parts in accordance with the following rates:
 - .1 Bolts and nuts: 460 g/m²;
 - .2 Section, plates and rods: 705 g/m²
 - .5 All mechanical bolts, lag screw, drift bolt and nails shall be galvanized, medium grade steel in accordance with ASTM A-307, Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength.
 - .6 Mechanical bolts, lag screw and drift bolt will have forged heads.
 - .7 Lag-screw to be threaded
 - .8 The lag-screw holes must conform to the following:
 - .1 The pilot hole for the bolt core must be the same diameter as the bolt core and the same height as the bolt core length without the thread.
 - .2 The diameter of the pilot hole for the threaded portion must be 60 to 75 percent of the diameter of the bolt core for the length equal to the threaded portion of the bolt.

ANNEX A - REQUIREMENT

Manufacture of floating docks
Harbour of Grande-Rivière
Project n° 721206

Technical Specifications

Page 5

- .3 The threaded portion of the screw must be inserted into the pilot hole by turning the screw with a wrench and not by using a hammer.
 - .4 Soap or any other lubricant that is not petroleum based may be used on the screw or in the pilot hole in order to facilitate insertion and prevent damage to the screw.
- .2 Wood:
 - .1 The spruce, jack pine and eastern hemlock will meet the requirements of the latest standard grading rules of the "Eastern Spruce Grading Committee" approved and published by the Canadian Lumbermen's Association, the Quebec Lumber Manufacturers Association and the "Maritime Lumber Bureau," with the exception of the balsam fir which will not be accepted although it is mentioned in rule No. 1.
 - .2 All wood varieties will be in compliance with the requirements of the NLGA (National Lumber Grades Association) entitled "Standard Grading Rules for Canadian Lumber."
 - .3 Wood grade to be No1 or Standard in compliance with the requirements of the NLGA (National Lumber Grades Association)
 - .4 All wood used in the construction of the embankment will be treated with pressurized ACC in accordance with CAN/CSA-O80-M, except for ballast floor. Retention to be 24 kg/m³ as required for marine application in accordance with requirements.
 - .5 Timber over 64 mm thick must be incised, all according to Article 9.8 of the CSA O80.
 - .6 The wood will be double end trimmed at a right angle before treatment following standard NLGA 748-B.
 - .7 All material treated under pressure requiring cutting, in order to be adjusted, will be coated, while dry, with three (3) layers of preservative as is required in standard CAN/CSA-080-M. All holes in timber pieces will be treated in this fashion.
 - .8 Each piece of lumber to be identified by CSA O322 certified stamp.
- .3 Buoyancy billets
 - .1 Buoyancy billets to be of high density expanded polystyrene (20 psi minimum compressive applied load) and with a minimum buoyancy force of 276 kg / billet.

2.2 SHAPING

- .1 The construction steel elements shall be shaped in compliance with Standards CAN/CSA-S16, CAN/CSA-S136 and as indicated on verified engineering drawings.
- .2 Continuously seal members by continuous welds where indicated. Grind smooth.
- .3 Where possible, works to be adjusted and built in shop, and delivered ready to fix.

2.3 FINISHING

- .1 All steel elements shall be hot dip galvanized and not painted

Part 3 Execution

3.1 GENERAL

- .1 Fabricate structural steel in accordance with CAN/CSA-S16 and CAN/CSA-S136.
- .2 Provide validation letter of steel manufacturer and welders in shop as a proof of certification by the Canadian Office of welding, division 2.1.
- .3 Execute welding works in compliance with Standard CSA W59.
- .4 Welding companies shall be certified as per Division 1 of CAN/CSA W47.1 on fusion welding of steel and/or CAN/CSA W55.3 on resistance welding of steel structural members.

3.2 GALVANIZATION

- .1 Surface preparation of items to be hot dip galvanized with:
 - .1 Sand blasting to SSPC-10.
 - .2 Acid cleaning
- .2 Clean and prepare surfaces so the zinc coating adheres perfectly.
- .3 Parts shall be completely fabricated before being galvanized. The galvanizing bath must be large enough to allow galvanizing parts in a single immersion.
- .4 Galvanizing shall be by hot immersion to obtain an even and unbroken zinc coating for full protection of steel after assembly.
- .5 Welding after galvanization shall not be accepted.
- .6 Galvanize parts as follows:
 - .1 Nuts and bolts: 460 g/m²;
 - .2 Steel sections, plates and bars: 705 g/m².
- .7 The manufacturer shall take all the necessary steps to prevent fragilization, warpage or deformation during galvanization. It is recommended to follow the method prescribed in Standards ASTM-A143, ASTM-A384 and ASTM A123/123M
- .8 Deformed or warped parts shall be rejected unless they can be straightened by the manufacturer so neither the part or galvanizing is left damaged.
- .9 The manufacturer shall carry out trials in order to determine the quality of adherence and repair of the zinc coating, as stated in Standard A123/123M.

3.3 ERECTION

- .1 Allowable bolt hole tolerances:
 - .1 Bolt holes shall be drilled in a manner that will allow free passing at right angle of a fitting template of 2-millimetre diameter smaller than the hole.

ANNEX A - REQUIREMENT

Manufacture of floating docks
Harbour of Grande-Rivière
Project n° 721206

Technical Specifications

Page 7

- .2 Unless otherwise indicated by the departmental representative, finished hole diameters shall not be more than 2 millimetres larger than the bolts planned to be used.
- .3 Centres between two (2) holes of a same group shall not vary by more than one (1) millimetre of the distance between these two (2) holes.

3.4 FLOATING DOCKS CONSTRUCTION

- .1 Build floating docks made of treated wood to required dimensions and in accordance with drawings.
- .2 All wood pieces will be of one length.
- .3 Notches, holes and chamfers to be treated using an equivalent preservative product prior to wood pieces installation.
- .4 To prevent damage, protect buoyancy billets during construction and handling.
- .5 Floating docks will not be deposited directly on the ground. They will have to be supported by wood pieces and to be levelled.
- .6 Erect Work accurately, level, plumb straight, line up and adjusted with precision, joints and crossing well fixed.
- .7 Where possible, works to be adjusted and built in shop, and delivered ready to fix.

3.5 FIELD QUALITY CONTROL

- .1 Site Tests/Inspections:
 - .1 Provide Departmental Representative with minimum of 10 days notice of date of beginning Work on floating docks and provide access to Work for inspection.
 - .2 Floating docks constructed in whole or in part without inspection will not be accepted.
 - .3 Final inspection of floating docks will be made in place.

END OF SECTION

[illegible]

ANNEX B - BASIS OF PAYMENT

FISHERIES AND OCEANS CANADA
Small Craft Harbours
QUÉBEC REGION
F3731-160150

Quotation form
Acquisition

Unit price table

Manufacture of floating docks

Page 1

UNIT PRICES TABLE: It is agreed between Her Majesty and Supplier that the following table is the unit prices table used for this contract.

Item	Description	Measurement unit	Estimate total quantity	Unit price	Estimate total price
1	Material for floating docks				
1.1	Wood	Lump Sum	1	\$	\$
1.2	High Density Buoyancy billets	Lump Sum	1	\$	\$
1.3	Bolt Product	Lump Sum	1	\$	\$
1.4	Steel plates	Lump Sum	1	\$	\$
2	Floating Dock Manufacture				
2.1	Floating Docks	Lump Sum	1	\$	\$
2.2	Galvanized Steel Components	Lump Sum	1	\$	\$
2.3	Assembling	Lump Sum	1	\$	\$
3	Transportation and Unloading	Lump Sum	1	\$	\$
	Note : The unit price column and the estimate total price column shall be filled for each item.				
	TOTAL AMOUNT OF QUOTATION:				\$

Project no : F3731-160150
Date : November 2016