

PART 1 - GENERAL

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| <u>1.1 Description</u> | .1 | In general, work under this contract consists of the furnishing of all plant, labour, equipment and materials to build, transport and unload six (6) 12 metre [5 Type 'A' and 1 Type 'B'] floating wharf modules on land at the Tracadie SCH office, Tracadie, NB and four (4) 12 metre [3 Type 'A' and 1 Type 'B'] floating wharf modules on land at the Robichaud Public Wharf, Robichaud, NB. |
| <u>1.2 Work Schedule</u> | .1 | The work to be carried out under this contract must be completed within the time limits set out in the terms of the Contract. |
| | .2 | Immediately upon award of contract, the Contractor will submit a schedule of work to the Departmental Representative, showing anticipated progress stages and final completion of work within time required by contract documents. All entries contained in unit price table will be entered on the schedule using a horizontal bar graph method. (Gnatt Chart) |
| | .3 | Should Contractor find that he cannot maintain schedule as originally intended, he will immediately submit a revised schedule without being requested to do so by Departmental Representative and take the necessary action to have the project back on schedule. |
| <u>1.3 Work Commencement</u> | .1 | Contractor is to commence work as soon as possible after award and in accordance with the Articles of Agreement. |
| | .2 | The Contractor is to make every effort to ensure that sufficient material and equipment is delivered to site at the earliest possible date after award. |
| <u>1.4 Measurement for Payment</u> | .1 | Notify Departmental Representative sufficiently in advance of operation to permit required measurements and inspection prior to payment. |
| <u>1.5 Codes and Standards</u> | .1 | Perform work in accordance with National Building Code of Canada (NBC) and any other code of provincial or local application provided that in any case of conflict or discrepancy, the more stringent requirements shall apply. |

- .2 Meet or exceed requirements of specified standards, codes and referenced documents.
- .3 Whenever reference is made to standard specifications it will be considered the latest publication of that specification as of the time of advertisement of tenders except where specified otherwise.
- .4 The abbreviations of the following standards have been used in this specification. The most stringent applicable requirements of these will govern the work except where specified otherwise.

A.S.T.M.	American Society for Testing Materials
CAN.	Canada
A.A.S.H.T.O.	American Association of State Highway and Transportation Officials
A.C.I.	American Concrete Institute
C.G.S.B.	Canada Government Specification Board
C.S.A.	Canadian Standards Association
H.T.	High Tide Mean
H.H.W.L.T.	Highest High Water Large Tide
N.B.C.	National Building Code of Canada

1.6 Co-operation and Assistance to Departmental Representative

- .1 Co-operate with Departmental Representative on inspection of work and provide any assistance required.
- .2 On request of Departmental Representative, furnish use of equipment, labour and materials forming ordinary and usual part of operations as may be reasonably necessary to inspect the work.

1.7 Taxes

- .1 Pay applicable Federal, Provincial and Municipal taxes. Please refer to Instructions to Bidders regarding the inclusion of the Harmonized Sale Tax with the tender. Follow tender documents instruction in regards to the HST.

1.8 Fees, Permits and Certificates

- .1 Provide authorities having jurisdiction with information requested.
- .2 Pay fees and obtain certificates and permits required by authorities having jurisdiction over work.

1.9 Alternate
Products

- .3 Furnish certificates and permits with materials.
- .1 The PWGSC floating wharf design that forms part of this specification can be used as a performance product specification. Contractor requesting to bid using an alternate product or alternate design shall ensure that the proposed product is equivalent or better than the product specified and certify that his design is equivalent. The department will be the sole judge in accepting or rejecting an alternate design. All alternate designs must meet the overall dimensions as indicated in the plans and specifications.
- .2 Any design changes or modifications will have to be done at the contractor's expense.
- .3 Allow a minimum of 10 working days before tender close for the department to evaluate any alternative products or design.
- .4 The proposed floating wharves have been designed for the use and with consultation with the commercial fishery industry. Typical fishing boats up to 15 m would be using the facility. Up to a maximum of 3 boats abreast can be expected to be tied to the floating wharves. No electrical or mechanical services are required with the docks under this standing offer.
- .5 The following are the minimal performance specification for all alternate products:
 - .1 Product Life: all products must have a minimal service life of 20 years.
 - .2 Flotation : All flotation products must be resistant to ice , sea water, petroleum products and UV stabilized.
 - .3 Live surface loading will be minimum 1.44 kPa, (30 PSF).
 - .4 Freeboard: Minimum: 350 mm.
 - .5 Dock surface: smooth dock surface such as dressed wood decking with a minimum flat surface sideboard of 300 mm in height.
 - .6 Boat tying apparatus: use a continuous tying metal apparatus or cleats every 1.5 meters on each side of the wharves. Design tying apparatus to meet requirements of commercial fishing fleets.
 - .7 Each wharf will be equipped for a structural steel anchoring system at every 1.5 metres, (each

side), to be adapted for chains and concrete blocks. The chains and concrete blocks will be supplied by Others.

.8 A continuous foot rail will be installed along both sides of all wharf modules. End wharves will be equipped with the foot rails at the end also.

.9 Use appropriate CSA standards for products and for fabrication for wharves in a marine environment.

1.10 On-Site
Installation

.1 The on-site installation is not included as part of this contract. This will be done by Others.

.2 Contractors to include the delivery cost and unloading cost to the site at Robichaud Wharf.

1.11 Shop Drawings

.1 General:

.1 Submit to Departmental Representative, for review, shop drawings, product data and samples for all materials being used in the construction of the floating wharves.

.2 Drawings to be originals prepared by Contractor, subcontractor, supplier or distributor, which illustrates appropriate portion of work, showing fabrication, layout, setting or erection details as specified in the appropriate sections.

.3 Identify details by reference to sheet and detail numbers shown on contract drawings.

.4 Maximum sheet size: 850 mm x 1120 mm.

.2 Product Data:

.1 Certain specification sections may specify that manufacturer's standard schematic drawings, catalogue sheets, diagrams, schedules, performance charts, illustrations and other standard descriptive data will be accepted in lieu of shop drawings.

.2 Above will only be accepted if they conform to the following:

.1 Delete information which is not applicable to this project.

.2 Supplement standard information to provide additional information applicable to project.

.3 Show dimensions and clearances required.

- .3 Samples and Mockups:
 - .1 Submit samples in sizes and quantities specified.
 - .2 Construct each sample or mockup complete, including work of all trades required to finish work.
 - .3 Construct field samples and mockups at locations acceptable to Departmental Representative.
 - .4 Reviewed samples or mockups will become standards of workmanship and material against which installed work will be checked on project.
- .4 Coordination of submission:
 - .1 Review shop drawings and product data prior to submission.
 - .2 Verify:
 - .1 Field measurements.
 - .2 Field construction criteria.
 - .3 Catalogue numbers and similar data.
 - .3 Coordinate each submission with requirements of work and contract documents.
 - .4 Contractor's responsibility for deviations in submission from requirements of contract document is not relieved by Departmental Representative's review of submission unless Departmental Representative gives written acceptance of specified deviations.
 - .5 Notify Departmental Representative, in writing, at time of submission of deviations from requirements of contract documents.
 - .6 After Departmental Representative's review, distribute copies.
- .5 Submission Requirements:
 - .1 Schedule submissions at least seven (7) days before dates reviewed submissions will be needed.
 - .2 Submit number of opaque diazo copies of shop drawings, product data which Contractor requires for distribution plus four (4) copies which will be retained by Departmental Representative.
 - .3 Accompany submissions with transmittal letter, in duplicate, containing:
 - .1 Data.
 - .2 Project title and number.
 - .3 Contractor's name and address.
 - .4 Number of each shop drawing, product data and sample submitted.
 - .5 Other pertinent data.

- .4 Submissions shall include:
 - .1 Original and/revision dates.
 - .2 Project title and number.
 - .3 Name of:
 - .1 Contractor
 - .2 Subcontractor
 - .3 Supplier
 - .4 Manufacturer
 - .5 Separate detail
 - .5 Identification of product or material.
 - .6 Relation to adjacent structure or materials.
 - .7 Field dimensions, clearly identified as such.
 - .8 Specification Section number.
 - .9 Applicable standards, such as CSA or CGSB numbers.
 - .10 Contractor's stamp, initialed or signed, certifying review of submission, verification of field measurements and compliance with Contract documents.
- .6 Shop Drawings Review:
 - .1 Review of shop drawings by the Departmental Representative or their authorized consultant is for the sole purpose of ascertaining confirmation with the general concept. This review shall not mean that the Departmental Representative approves the detail design inherent in the shop drawings, responsibility for which shall remain with Contractor submitting same, and such review shall not relieve Contractor of responsibility for errors or omissions in the shop drawings or of responsibility for meeting all requirements of the construction and contract documents. Without restricting the generality of the foregoing, the Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to the fabrication process or to techniques of construction and installation and for coordination of work of all sub-trades.