

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:

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

11 Laurier St. / 11, rue Laurier

Place du Portage , Phase III

Core 0A1 / Noyau 0A1

Gatineau

Québec

K1A 0S5

Bid Fax: (819) 997-9776

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

Title - Sujet MAINTAIN FDUA YARD DIVING TENDER	
Solicitation No. - N° de l'invitation W8482-132693/A	Date 2012-10-02
Client Reference No. - N° de référence du client W8482-132693	
GETS Reference No. - N° de référence de SEAG PW-\$\$ML-016-23231	
File No. - N° de dossier 016ml.W8482-132693	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-11-19	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Wilkie, Neil	Buyer Id - Id de l'acheteur 016ml
Telephone No. - N° de téléphone (819) 956-0704 ()	FAX No. - N° de FAX (819) 956-0897
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

Raison sociale et adresse du

fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Marine Machinery and Services / Machineries et services
maritimes

11 Laurier St. / 11, rue Laurier

6C2, Place du Portage

Gatineau

Québec

K1A 0S5

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	

Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	CPO1 ADM (MAT) DGMEPM/DGLEPM/DGAPEM ON CANADA	W8482	DEPARTMENT OF NATIONAL DEFENCE ATTN DGMEPM NP - DMARP 101 COLONEL BY DR. ATTN: SGT. ANDRE BOIVIN, D MAR P 4-4-2-2 OTTAWA Ontario K1A0K2 Canada

Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	YDT-12 (CFAV GRANBY) 120M This requirement is for the one hundred-twenty (120) monthly overhaul of the Recompression Chamber fitted on board the Yard Diving Tender 12 (YDT 12) at the Fleet Diving Unit (Atlantic), Shearwater, Nova Scotia.	D - 1	W8482	1	SU	\$	XXXXXXXXXXXX	See Herein	

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List of Annexes:

Annex A Statement of Work

PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this Request for Proposal.

2. Statement of Work

The Department of National Defense of Canada requires a Contractor to carry out the one hundred-twenty (120) monthly overhaul of the Recompression Chamber fitted on board the Yard Diving Tender 12 (YDT 12), identified as the Canadian Forces Auxiliary Vessel “Granby” at the Fleet Diving Unit (Atlantic), Shearwater, Nova Scotia in accordance with the Statement of Work identified and detailed within Annex “A” attached.

3. Debriefings

After contract award, 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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

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 (2012-07-11) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The text under Subsection 4 of Section 01 - Code of Conduct and Certifications - Bid of 2003 referenced above is replaced by:

Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to provide such a list within the required time frame

will render the bid non-responsive. Bidders must always submit the list of directors before contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaire-forms-eng.html>) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

The text under Subsection 5 of Section 01 - Code of Conduct and Certifications - Bid of 2003 referenced above is replaced by:

The Bidder must diligently maintain the list up-to-date by informing Canada in writing of any change occurring during the validity period of the bid, and must also provide Canada, when requested, with the corresponding Consent Forms. The Bidder will also be required to diligently maintain the list and when requested, provide Consent Forms during the period of any contract arising from this bid solicitation.

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.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) 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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of Ontario.

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

1. Bid Preparation Instructions

Section I: Technical Bid (3 hard copies) and 1 soft copy on CD

Section II: Financial Bid (3 hard copies) and 1 soft copy on CD

Section III: Certifications (2 hard 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 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 are encouraged to:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and/or 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 Goods and Services Tax (GST) or Harmonized Sales Tax (HST) must be shown separately, if applicable.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

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.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

EVALUATION CRITERIA

NOTE TO BIDDERS: LISTING EXPERIENCE WITHOUT PROVIDING ANY SUPPORTING DATA TO DESCRIBE WHERE AND HOW SUCH EXPERIENCE WAS OBTAINED WILL RESULT IN YOUR BID NOT BEING CONSIDERED.

FORMAL EDUCATION IS NOT CONSIDERED WORK EXPERIENCE BUT COOPERATIVE WORK TERMS ARE CONSIDERED WORK EXPERIENCE IF THE PERSON IS EMPLOYED IN A RELATED FIELD.

- 1. MANDATORY REQUIREMENTS:** Only proposals that meet all of the mandatory requirements will be considered. Should any of the requirements under this section be omitted from the proposal, it will be deemed as non-responsive and will be given no further consideration.

Proposals must include a detailed resume, which lists the relevant experience includes a brief description of the work, the duration and the client for whom the work was done.

Contractor – Mandatory Requirements	Met	Not Met	Reference or Comment
A minimum of five years of experience in performing preventive and corrective maintenance on Canadian Forces Recompression Chambers and associated facilities such as gas plants, storage and distribution systems			
Qualified IAW the CSA Standard A275.2 Latest Edition, Occupational Safety Code for Diving Operation			
Qualified and certified to perform work IAW the ASME PVHO-1 and Power Piping Codes			
Demonstrated proof of qualifications to maintain and clean systems that handle high pressure oxygen and oxygen enriched mixed gas systems			
Demonstrated proof of having successfully completed work on corrective maintenance, cleaning and start-up of Recompression Chamber in the past 12 months			

1.1.2 Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, FOB destination, Canadian customs duties and excise taxes included.

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2. Basis of Selection

2.1 Basis of Selection - Mandatory Technical Criteria

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

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Code of Conduct Certifications - Certifications Required Precedent to Contract Award

1.1 Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Bidders must submit the list of directors before contract award, failure to provide such a list within the required time frame will render the bid non-responsive.

The Contracting Authority may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

2. Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the 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.

2.1 Federal Contractors Program - Certification

Suppliers who are subject to the Federal Contractors Program (FCP) and have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive federal government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible

contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

() is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;

() is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;

() is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC, having not bid on requirements of \$200,000 or more;

() has not been declared an ineligible contractor by HRSDC, and has a valid certificate number as follows: _____ .

Further information on the FCP is available on the HRSDC Web site.

2.2 Former Public Servant Certification

Contracts with former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts with FPS, bidders must provide the information required below.

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the Financial Administration Act, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- an individual;
- an individual who has incorporated;

a partnership made of former public servants; or
a sole proprietorship or entity where the affected individual has a
controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means, in the context of the fee abatement formula, a pension or annual allowance paid under the Public Service Superannuation Act (PSSA), R.S., 1985, c.P-36, and any increases paid pursuant to the Supplementary Retirement Benefits Act, R.S., 1985, c.S-24 as it affects the PSSA. It does not include pensions payable pursuant to the Canadian Forces Superannuation Act, R.S., 1985, c.C-17, the Defence Services Pension Continuation Act, 1970, c.D-3, the Royal Canadian Mounted Police Pension Continuation Act, 1970, c.R-10, and the Royal Canadian Mounted Police Superannuation Act, R.S., 1985, c.R-11, the Members of Parliament Retiring Allowances Act, R.S., 1985, c.M-5, and that portion of pension payable to the Canada Pension Plan Act, R.S., 1985, c.C-8.

Former Public Servant in Receipt of a Pension

Is the Bidder a FPS in receipt of a pension as defined above? Yes () No ()

If so, the Bidder must provide the following information:

name of former public servant;
date of termination of employment or retirement from the Public Service.

Work Force Reduction Program

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of a work force reduction program? Yes () No ()

If so, the Bidder must provide the following information:

name of former public servant;
conditions of the lump sum payment incentive;
date of termination of employment;
amount of lump sum payment;
rate of pay on which lump sum payment is based;
period of lump sum payment including start date, end date and number of weeks;
number and amount (professional fees) of other contracts subject to the restrictions of a work force reduction program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including the Goods and Services Tax or Harmonized Sales Tax.

Certification

By submitting a bid, the Bidder certifies that the information submitted by the Bidder in response to the above requirements is accurate and complete.

2.4 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability. Failure to comply with the request may result in the bid being declared non-responsive.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the Contract.

2. Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A" and the Contractor's technical bid entitled _____, dated _____.

Scope

2.1 Purpose

To carry out the one hundred-twenty (120) monthly overhaul of the Recompression Chamber fitted on board the Yard Diving Tender 12 (YDT 12) at the Fleet Diving Unit (Atlantic), Shearwater, Nova Scotia.

2.2 Background

2.2.1 The Yard Diving Tender 12 comprised a six personnel recompression chamber, one Worthington M-50H diesel-powered water-cooled Low Pressure Compressor and one Bauer KA20-20DD diesel-powered water-cooled High Pressure Compressor in the compartment forward of the engine room. In the compressor room there are four high-pressure gas cylinders and in the engine room there are two low-pressure air receivers cross-connected. The gas storage banks are on the upper deck midship which comprises of eight oxygen cylinders and nineteen 84/16 helium-oxygen cylinders and two 50/50 helium-oxygen cylinders. A fire suppression system water tank is located at the after end of the chamber compartment.

2.2.2 This one hundred-twenty monthly (120M) overhaul will use the modified sixty-monthly (60M) Pre-Overhaul survey done by Fleet Maintenance Facility Cape Scott dated 2011-02-24; in which an addendum has been included to reflect the additional work needed to carry-out the 120M overhaul (see references).

2.3 Scope of Work

The following work shall be undertaken:

2.3.1 One hundred-twenty monthly preventive maintenance on the Recompression Chamber, in accordance with Reference 2.2.1 as detailed in Annex "A";

2.3.2 Replenishment of Consumables in accordance with Part 5 Section 3 of Reference 2.2.2 as detailed in annex "A";

-
- 2.3.3 Inspections in accordance with Part 5 Section 4 Reference 2.2.2 as detailed in Annex “A”;
- 2.3.4 All required tests in accordance with Part 8 of Reference 2.2.2 and 120M13 of Reference 2.2.4 as detailed in Annex “A”;
- 2.3.5 Proving the intercommunication system in accordance with Part 3 Section 2 of Reference 2.2.2 as detailed in Annex A”;
- 2.3.6 Verifying that the electrical system such as proving of system function after broken connections are made good, all subassemblies securely mounted, internal spaces in boxes clean and dust free, connections intact and work described in paragraph 4.8 and Annex D of Reference 2.2.3 as detailed in Annex “A”;
- 2.3.7 Pipe cleaning to be administered where necessary, to each High pressure and Low pressure piping as directed by paragraphs 4.4 to 4.7 inclusive of Reference 2.2.3 as detailed in Annex “A”; and
- 2.3.8 Replenishment of gases in recertified cylinders in accordance with Part 5 Section 3 of reference 2.2.2 as detailed in Annex “A”.

Lot price in Canadian Dollars for the Scope of Work identified above
and detailed in Annex “A”- Statement of Work is:

\$_____ Canadian (HST extra)

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>)

issued by Public Works and Government Services Canada.

3.1 General Conditions

2010C (2012-07-16), General Conditions - Services (Medium Complexity) apply to and form part of the Contract.

The text under Subsection ____ (insert subsection number) of Section (insert section number) - Code of Conduct and Certifications - Contract of ____ (insert General Conditions number) referenced above is replaced by:

During the entire period of the Contract, the Contractor must diligently update, by written notice to the Contracting Authority, the list of names of all individuals who are directors of the Contractor whenever there is a change. As well, whenever requested by Canada, the Contractor must provide the corresponding Consent Forms.

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received on or before _____ (insert the date).

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: _____

Title: _____

Public Works and Government Services Canada

Acquisitions Branch

Directorate: _____

Address: _____

Telephone: ____ ____ ____

Facsimile: ____ ____ ____

E-mail address: _____

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.

5.2 The Procurement Authority for the Contract is:

_____ (Name of Procurement Authority)

_____ (Title)

_____ (Organization)

_____ (Address)

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____ .

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 The Technical Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____ .

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.

5.4 Contractor's Representative

6. Payment

6.1 Basis of Payment

For the Work described in section 1.3 of the Statement of Work identified in Annex A :

In consideration of the Contractor satisfactorily completing its obligations under the Contract, the Contractor will be paid a _____, "firm lot price(s) for a cost of \$_____ (insert the amount at contract award). Customs duties are _____ (insert "included", "excluded" OR "subject to exemption") and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

For the firm price portion of the Work only, 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.

6.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

6.3 Terms of Payment

SACC Manual clause H1000C (2008-05-12) Single Payment

7. Invoicing Instructions

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.

Each invoice must be supported by:

- a copy of time sheets to support the time claimed;
- a copy of the release document and any other documents as specified in the Contract;
- a copy of the invoices, receipts, vouchers for all direct expenses, and all travel and living expenses;
- a copy of the monthly progress report.

Invoices must be distributed as follows:

The original and one (1) copy must be forwarded to the following address for certification and payment.

Dept. of National Defence NDHQ
Attn: DGMEPM NP
D Mar P
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2
Canada
W8482

Attn: PAMELA.KHOURY

One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

one (1) copy must be forwarded to the consignee.

8. Certifications

8.1 Compliance with the certifications provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. (Insert the name of the province or territory as specified by the Bidder in its bid, if applicable)

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 supplemental general conditions _____ (insert number, date and title);
- (c) the general conditions _____ (insert number, date and title);
- (d) Annex X, Statement of Work OR Requirement;
- (e) Annex X, Security Requirements Check List (if applicable);
- (f) the Contractor's bid dated _____ (insert date of bid) (If the bid was clarified or amended, insert at the time of contract award: ", as clarified on _____" or ", as amended on _____" and insert date(s) of clarification(s) or amendment(s))

11. Defence Contract

SACC Manual clause A9006C (2012-07-16) Defence Contract

12. SACC Manual Clauses

D5510C Quality Assurance Authority (DND)-Canadian Based Contractor 2012-07-16
 D5540C ISO 9001: 2008 quality Management System- Requirements (QAC Q)
 (2010-08-16).

ANNEX "A"

RDIMS File #: 2936798

Statement of Work

YARD DIVING TENDER - 12
2012 PREVENTIVE MAINTENANCE
120 MONTH OVERHAUL
FLEET DIVING UNIT ATLANTIC

THIS STATEMENT OF WORK
IS PART 2 OF 2.

PART 1 OF 2 IS TO BE COMPLETED
PRIOR TO COMMENCING PART 2.



NOTICE

This documentation has been reviewed by the technical authority and does not contain controlled goods. Disclosure notices and handling instructions originally received with the document shall continue to apply.

AVIS

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.

DATE: 2012-05-03

Revision 1

1. Scope

1.1 Purpose

This statement of work is Part 2 of 2 which is to begin after Part 1 of 2 is completed. It defines the requirements of the Department of National Defense of Canada to carry out the one hundred-twenty (120) monthly overhaul of the Recompression Chamber fitted on board the Yard Diving Tender 12 (YDT 12) at the Fleet Diving Unit (Atlantic), Shearwater, Nova Scotia.

1.2 Background

- 1.2.1 The Yard Diving Tender 12 comprised a six personnel recompression chamber, one Worthington M-50H diesel-powered water-cooled Low Pressure Compressor and one Bauer KA20-20DD diesel-powered water-cooled High Pressure Compressor in the compartment forward of the engine room. In the compressor room there are four high-pressure gas cylinders and in the engine room there are two low-pressure air receivers cross-connected. The gas storage banks are on the upper deck midship which comprises of eight oxygen cylinders and nineteen 84/16 helium-oxygen cylinders and two 50/50 helium-oxygen cylinders. A fire suppression system water tank is located at the after end of the chamber compartment.
- 1.2.2 This one hundred-twenty monthly (120M) overhaul will use the modified sixty-monthly (60M) Pre-Overhaul survey done by Fleet Maintenance Facility Cape Scott dated 2011-02-24; in which an addendum has been included to reflect the additional work needed to carry-out the 120M overhaul (see references).

1.3 Scope of Work

The following work shall be undertaken:

- 1.3.1 One hundred-twenty monthly preventive maintenance on the Recompression Chamber, in accordance with Reference 2.2.1;
- 1.3.2 Replenishment of Consumables in accordance with Part 5 Section 3 of Reference 2.2.2;
- 1.3.3 Inspections in accordance with Part 5 Section 4 Reference 2.2.2;
- 1.3.4 All required tests in accordance with Part 8 of Reference 2.2.2 and 120M13 of Reference 2.2.4;
- 1.3.5 Proving the intercommunication system in accordance with Part 3 Section 2 of Reference 2.2.2;

-
- 1.3.6 Verifying that the electrical system such as proving of system function after broken connections are made good, all subassemblies securely mounted, internal spaces in boxes clean and dust free, connections intact and work described in paragraph 4.8 and Annex D of Reference 2.2.3;
- 1.3.7 Pipe cleaning to be administered where necessary, to each High pressure and Low pressure piping as directed by paragraphs 4.4 to 4.7 inclusive of Reference 2.2.3; and
- 1.3.8 Replenishment of gases in recertified cylinders in accordance with Part 5 Section 3 of reference 2.2.2.
2. Applicable Documents
- 2.1 Applicability
- 2.1.1 The documents listed below are applicable only as set out in the scope of work and requirements, sections 1 and 3 of this document. The revisions of the documents listed below are those in effect as of the date shown on the title page of this Statement of Work.
- 2.2 References:
- 2.2.1 CFTO C-87-010-013/MZ-001 Overhaul Instructions Canadian Forces Recompression Chambers;
- 2.2.2 CFTO C-87-226-000/MS-001 Operation & Maintenance Instructions Yard Diving Tender-12 Recompression Chamber Fleet Diving Unit (Atlantic);
- 2.2.3 Fleet Maintenance Facility Cape Scott Pre-Overhaul Survey 120M, Revision 0; Notification 4344867, Order 820173253 Dated 2012-04-03;
- 2.2.4 CFTO C-87-010-013/NY-001 Naval Preventive Maintenance Schedule Recompression Chambers;
- 2.2.5 CFTO D-87-003-000/SG-001 Canadian Forces Standard – Purity of Compressed Breathing Air and Gases for Divers.
- 2.2.6 CFTO C-94-010-003/MG-000 Compressed Gas Cylinders.
- 2.2.7 YDT Granby Recompression Chamber (RCC) Deferral Mitigation Measures – Monthly Progress Report dated 13 March 2012.

3. Requirements

3.0 The following work is NOT required:

- 3.0.1 Overhaul of the Built-In-Breathing-System (BIBS) treatment masks.
- 3.0.2 Removal and replacement of the Haskel gas booster pump.
- 3.0.3 One thousand hour's maintenance routine on the BAUER KA20-20DD, High Pressure Air Compressor.
- 3.0.4 Maintenance on the Worthington M-50H Low Pressure Air Compressor.
- 3.0.5 Maintenance on the newly installed 50/50 BIBS panel and the two 50/50 helium-oxygen cylinders.
- 3.0.6 Repairs on fire suppression system which is included in Part 1 of SOW.

3.1 Work Required

- 3.1.1 The contractor shall comply with the General Workmanship and Material requirements in accordance with Articles 2002, 2003, 2101 to 2104 and 2107 to 2109 of Reference 2.2.1;
- 3.1.2 The contractor shall replace all chamber seals and door gaskets, and shall inspect door hinges and door alignment. Damaged hinges shall be replaced. Defective chamber seals and door gaskets shall be replaced in accordance with Articles 3120, 4020 of Reference 2.2.1; paragraph 5.7 of Reference 2.2.3, and Part 6 Section 2 of Reference 2.2.2;
- 3.1.3 The contractor shall replace acrylic windows and associated seals in accordance with Articles 3125, 4030 of Reference 2.2.1 and paragraph 5.8 and 5.9 of Reference 2.2.3 and Part 7, Section 2 paragraph 5 of Reference 2.2.2. NOTE: The contractor shall provide all PVHO documentation for each viewport in accordance with Article 4030 paragraph 8 of Reference 2.2.1;
- 3.1.4 The contractor shall remove and replace all soft seals in piping joints and fitting in accordance with Article 3170 of Reference 2.2.1; and
- 3.1.5 The contractor shall remove and replace all flexible thermoplastic hoses in accordance with Article 3175 of Reference 2.2.1 which are at/or approaching five (5) years. All flexible wire braided hoses (TITEFLEX 157) (used for Mixed gases, Pure gas and Oxygen) shall be tagged for system and location and removed from their systems. All flexible wire braided hoses (TITEFLEX 157) (used for Mixed gases, Pure gas and

Oxygen) shall be checked for any possible damage or deterioration and those at/or approaching ten (10) years shall be replaced in accordance with Articles 3175, 3410 and 4050 of Reference 2.2.1 and paragraph 5.10 of Reference 2.2.3. NOTE 1: All hoses shall be cleaned for breathing gas or Oxygen service as appropriate in accordance with Article 3175 of Reference 2.2.1 and proof tested prior to installation; each hose in the system shall be metal-tagged at one end of hose, with date of testing. NOTE 2: All hoses without a fabrication or a hydrotest date that can be verified, are to be replaced with hydrotested hoses, each hose are to be metal-tagged at one end of hose, with date of fabrication/testing and expiry date.

- 3.2 New Metric Depth gauges have been installed 27 May 2011 in accordance with latest progress report at Reference 2.2.7. The contractor shall remove new Metric Depth gauges, clean and calibrate depth gauges in accordance with Articles 3220 and 3420 of Reference 2.2.1 and protect from damage until re-installation in accordance with paragraph 5.11 of Reference 2.2.3. Upon removal of depth gauges, the contractor shall examine gauge sensing lines for defects and dirt and clean as required;
- 3.2.1 The contractor shall check accuracy of all line gauges in situ, or removed from the system and tested individually in accordance with Article 3230 of Reference 2.2.1 and paragraph 5.12 of Reference 2.2.3. Faulty line gauges shall be replaced with new equivalents properly cleaned for either breathing air or Oxygen service; Replacement line gauges can be metric (bar or kilo-Pascal (kPa)) and Imperial (pound per square inch (PSI); and
- 3.2.2 The contractor shall clean the high pressure Air piping, Oxygen piping, and mixed gas piping in accordance with paragraphs 4.4, 4.6 and 4.7 of Reference 2.2.3.
- 3.3 The contractor shall remove, clean and recalibrate all relief valves in accordance with Articles 3240 and 3440 of Reference 2.2.1; and paragraph 5.13 and Table 1 of Reference 2.2.3. Important Note: Relief valves that are factory set and sealed shall be sent to an American Society of Mechanical Engineers (ASME) qualified shop for recertification and accompanied by a Certificate of Compliance (C. of C.) for each relief valve from test facility;
- 3.3.1 The contractor shall overhaul all soft seat ball, shutoff, metering and check valves, and, soft seat TESCO pressure regulators in accordance with Articles 3250, 3320 and 3450 of Reference 2.2.1 and paragraph 5.14 of Reference 2.2.3 and Part 6 Section 3 of Reference 2.2.2. The contractor is to ensure to seal the valves and regulators in polyethylene bags at all times except when being worked on;
- 3.3.2 The contractor shall leak test all repaired piping system with gas at maximum pressure in accordance with Article 5010 of Reference 2.2.1, paragraph 5.15 of Reference 2.2.3, and page 7.3.6 paragraphs 22 to 26 of Reference 2.2.2. Record results on test sheet Figure 7-3-3 on page 7-3-8 of Reference 2.2.2;

- 3.3.3 The contractor shall demonstrate proof of cleanliness of piping. In conjunction with the Fleet Diving Unit Atlantic, Repair Chief, the contractor shall take Air and Gas samples in accordance with Article 5020 of Reference 2.2.1 and paragraph 5.16 of Reference 2.2.3. The Air and Gas sample will be sent by Fleet Diving Unit Atlantic for analysis. The contractor shall re-clean any system that does not pass the Department of National Defense Standard as per Reference 2.2.5.
- 3.3.4 The contractor shall carry-out all remaining electrical work specified in both paragraph 4.8 and Annex D of Reference 2.2.3; and
- 3.3.5 The contractor shall replenish the Model 331B Oxygen Monitor fuel cells, Hyperbaric fire extinguisher, and internal batteries in accordance with Part 5 Section 3 of Ref 2.2.2 and paragraph 5.18 of Reference 2.2.3.
- 3.4 The contractor shall perform all Chamber Performance Test listed in Part 8, of Reference 2.2.2 in accordance with Article 5030 of reference 2.2.1; and complete the record forms found in Part 8, Figures 8-3-1 to 8-3-10 of Reference 2.2.2 for each test and paragraph 5.19 and Table 2 of Reference 2.2.3.
- 3.5 The contractor upon completion acceptance of the YDT 12 Recompression Chamber Overhaul shall carry-out Article 5100 of Reference 2.2.1 in its entirety.
4. Deliverables
- 4.1 Quality Assurance
- 4.1.1 All work is subject to Government Quality Assurance performed at the Contractor's or subcontractor's facility, and at the installation site, by the Director of Quality Assurance, or it's designated Quality Assurance Representative (QAR).
- Director of Quality Assurance
- National Defence Headquarters
- Major General George R. Pearkes Building
- 101 Colonel By Drive, Ottawa, ON K1A 0K2
- 4.2 Contractor performance of the work
- 4.2.1 In the performance of the work described in the Contract, the Contractor must comply with the requirements of International Organization for Standardization (ISO) 9001:2008 - Quality management systems - Requirements, published by the International

Organization for Standardization current edition at date of submission of Contractor's bid.

- 4.2.2 The Contractor's quality management system must address each requirement contained in the standard; however, the Contractor is not required to be registered to the applicable standard.

4.3 Boiler Inspector

- 4.3.1 The Maritime Command Boiler Inspector (MCBI) or equivalent shall be present to witness the Inspections and tests on the hatches, the dive test, and the pressure and leak tests.

- 4.3.2 The contractor shall arrange 48 hours in advance to have the above inspector present for each test.

- 4.3.3 The Maritime Command Boiler Inspector is Mr. Thomas Rex, FMFCS Eng, 902-427-3805 (work) or 902-402-3438 (mobile). The MCBI equivalent is Mr. Daniel Leger, 902-427-3857 (work).

4.4 Record Forms

- 4.4.1 All record forms and PVHO-1 forms shall be filled out in full, signed and dated and then submitted to the Canadian Forces Quality Assurance Representative (CFQAR) for review and acceptance as per paragraphs 3.1.5, 3.3, 3.3.2, 3.3.3 and 3.4 of this document. Once reviewed by CFQAR, all record forms and PVHO-1 forms are to be sent to DMSS 4-4 for retention.

5. Miscellaneous

5.1 Location of Work

- 5.1.1 The Contractor shall perform the work required on the Yard Diving Tender-12 at the Fleet Diving Unit Atlantic, CFB Shearwater, Nova-Scotia.

5.2 Utilities

- 5.2.1 The contractor will be allowed to use electrical power and municipal main water from the Fleet Diving Unit Atlantic.

- 5.2.2 The Contractor is required to supply compressed air for the operation of pneumatic tools.

5.3 Subcontracting

- 5.3.1 If required by the Canadian Forces Quality Assurance Representative, piping shall be flushed. It is preferred that the system is flushed in-situ as dismantling/reassembling will increase the cost of the project and require hydro testing. The system flushing subcontractor shall be qualified to clean to oxygen clean standards and is required to use Naval Oxygen Cleaner (NOC) or Tribasic Sodium Phosphate (TSP) as the cleaning agent. The process shall be in accordance with military standard (MIL-STD-1330D).

5.4 NOTES:

- 5.4.1 Lubricants shall be approved for oxygen systems. Preferred lubricant for breathing gas systems is Christolube MCG 111 (No substitute is acceptable). Lubricants shall be applied sparingly.
- 5.4.2 It is recommended that all replacement parts and kits be oxygen pre-cleaned to keep on-site cleaning requirements to a minimum.