

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 REPAIR AND OVERHAUL	
Solicitation No. - N° de l'invitation W8482-120869/A	Date 2012-09-10
Client Reference No. - N° de référence du client W8482-120869	
GETS Reference No. - N° de référence de SEAG PW-\$\$HL-632-61167	
File No. - N° de dossier hl632.W8482-120869	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-10-11	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input checked="" type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: J.L. LeGrow	Buyer Id - Id de l'acheteur hl632
Telephone No. - N° de téléphone (819) 956-3524 ()	FAX No. - N° de FAX (819) 956-5227
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: <div>Specified Herein Précisé dans les présentes</div>	

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

Fuel & Construction Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
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

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W8482-120869/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

hl632

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

W8482-120869

File No. - N° du dossier

hl632W8482-120869

CCC No./N° CCC - FMS No/ N° VME

Annex A Statement of Work
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Annex D Bid Evaluation
Annex E Financial Proposal

PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Statement of Work

The Work to be performed is detailed under Annex "A" - Statement of Work (SOW) for Repair and Overhaul (R&O) of the Fresh Water Systems (SROD) and Annex "B" - Logistics Statement of Work for Repair and Overhaul.

An obligation for any Work, other than Free Flow R&O will come into force only when a Task Authorization (TA) is approved and issued in accordance with the clause in Part 6 entitled "Task Authorization Process".

Free Flow R&O work will be performed in accordance with A-LM-184-001/JS-001 as per Annex B, paragraph 1.1.1.

3. Cash Flow

While the funding for this Contract will be limited to \$11,500,000.00, the projected Cash Flow for the duration of the contract is expected to be as follows (including all work/tasks and excluding GST/HST):

First three years periods:

2012/13	\$2,300,000.00
2013/14	\$2,300,000.00
2014/15	\$2,300,000.00

Option years:

2015/16	\$2,300,000.00
2016/17	\$2,300,000.00

5. 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.

1.5 Stores Certifications

The item(s) offered conform(s) strictly with the purchase description, including packaging requirements and quality assurance provisions if applicable, contained in the 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 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 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 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

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

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (2 hard copies)

Section III: Certifications (2 hard copies)

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

Technical Bid Preparation Instructions are provided at Annexes "C" and "D". In their technical bid, bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability to perform on any resultant contract and describe their approach in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment at Annex "E". The total amount of Goods and Services Tax (GST) or Harmonized Sales Tax (HST) must be shown separately, if applicable. Price and rate must be firm and in Canadian Dollars. All rates quoted are to be all-inclusive of direct & indirect costs, overhead rates, General and Administrative rates and profit.

1.1 SACC Manual Clauses

THE FOLLOWING TERMS AND CONDITIONS ARE INCORPORATED HEREIN

SACC Reference	Section	Date
C3011T	Exchange Rate Fluctuation	2010-01-11

Solicitation No. - N° de l'invitation

W8482-120869/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

hl632

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

W8482-120869

File No. - N° du dossier

hl632W8482-120869

CCC No./N° CCC - FMS No/ N° VME

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

Refer to Annexs "C" and "D" attached.

1.2 Financial Evaluation

Refer to Annex "E" attached.

THE FOLLOWING TERMS AND CONDITIONS ARE INCORPORATED HEREIN

SACC Reference

A0220T

Section

Evaluation of Price

Date

2007-05-25

2. Basis of Selection

1. To be declared responsive, a bid must:

- (a) comply with all the requirements of the bid solicitation; and
- (b) meet all mandatory technical evaluation criteria.

2. Bids not meeting (a) or (b) will be declared non-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 - Consent to a Criminal Record Verification

1.1 Bidders must submit with their bid, by the bid solicitation closing date:

- (a) a complete list of names of all individuals who are currently directors of the Bidder;
- (b) a properly completed and signed form Consent to a Criminal Record Verification (PWGSC-TPSGC 229), for each individual named in the list (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/229-eng.html>).

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

Federal Contractors Program - \$200,000 or more

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder, or, if the Bidder is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the award of the Contract.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive 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.

2. If the Bidder does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.

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3. 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

- (a) () 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;
- (b) () is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) () 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), in which case a duly signed certificate of commitment is attached;
- (d) () is subject to the FCP, and has a valid certificate number as follows: _____
(e.g. has not been declared an ineligible contractor by HRSDC.)

Further information on the FCP is available on the HRSDC Web site (<http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml>).

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Statement of Work

The Work to be performed is detailed under Annex "A" - Statement of Work (SOW) for Repair and Overhaul (R&O) of the Fresh Water Systems (SROD) and Annex "B" - Logistics Statement of Work for Repair and Overhaul.

An obligation for any Work, other than Free Flow R&O will come into force only when a Task Authorization (TA) is approved and issued in accordance with the clause in Part 6 entitled "Task Authorization Process".

Free Flow R&O work will be performed in accordance with A-LM-184-001/JS-001 as per Annex B, paragraph 1.1.1.

3. Task Authorization Process For All Work Except Free Flow R&O

1. Any task required to be performed under the Contract must be authorized by the Requisitioning Authority, using a form DND 626, Task Authorization Form.
2. The Requisitioning Authority or the Technical Authority will provide the Contractor with a description of the work for the task to be performed, including as a minimum :
 - (a) the details of the work to be performed;
 - (b) a description of the deliverables to be submitted;
 - (c) a schedule indicating completion dates for the major activities and submission dates for the deliverables.
3. The Contractor must provide the Requisitioning Authority or the Technical Authority, within 10 calendar days of receipt of the request, with the following :
 - (a) a technical proposal outlining the proposed approach and methodology to meet requirement (if applicable);
 - (b) the number of hours for each proposed individual or category, as applicable;
 - (c) a cost breakdown established in accordance with the Basis of Payment at Annex "E".
4. The Requisitioning Authority and the Technical Authority will review the information provided by the Contractor and, if it is approved, the Requisitioning Authority will authorize the Contractor to proceed with the work by issuing a signed form DND 626. Individual tasks exceeding the Requisitioning Authority's approval authority must be authorized by the Contracting Authority in accordance with the clause entitled Individual Task Authorizations - Financial Limitation and Approval Authority. The Contractor must not carry out any work on any task until it has received a duly completed and signed DND 626, Task Authorization Form from the Requisitioning Authority.

5. Any work performed by the Contractor in advance of an approved TA will be at the Contractor's own risk and expense.
6. The task description, inclusive of any amendments, of any work must fall within the scope of the Statement of Work, Annex "A", or Logistics Statement of Work, Annex "B".

3.1 Individual Task Authorizations - Financial Limitation and Approval Authority

The Requisitioning Authority may approve individual Task Authorizations up to a limit of \$250,000.00 (GST/HST incl.), inclusive of any amendments. Any TA to be issued in excess of that amount or any TA amendment which will increase the TA value above that amount must be approved by the Contracting Authority before issuance.

3.2 Minimum Work Guarantee

1. In this clause,
"Maximum Contract Value" means the amount specified in the "Limitation of Expenditure" clause set out in the Contract; and "Minimum Contract Value" means one percent (1%) of the Maximum Contract Value.
2. The Contractor must perform the Work described in the Contract as and when requested by Canada during the period of the Contract. Canada's obligation under the Contract is to request Work in the amount of the Minimum Contract Value or, at Canada's option, to pay the Contractor at the end of the Contract in accordance with paragraph 3. In consideration of such obligation, the Contractor agrees to stand in readiness throughout the Contract period to perform the Work described in the Contract. Canada's maximum liability for work performed under the Contract must not exceed the Maximum Contract Value, unless an increase is authorized in writing by the Contracting Authority.
3. In the event that Canada does not request work in the amount of the Minimum Contract Value during the period of the Contract, Canada must pay the Contractor the difference between the Minimum Contract Value and the cost of the Work requested.
4. Canada will have no obligation to the Contractor under this clause if Canada terminates the Contract in whole or in part for default.

3.3 Task Authorization Report

The Contractor must compile and maintain records on its provision of Work under approved Task Authorizations issued under the Contract. The data must be submitted on a quarterly basis to the Contracting Authority.

Quarterly periods are defined as follows:

- 1st quarter: April 1 to June 30;
- 2nd quarter: July 1 to September 30;
- 3rd quarter: October 1 to December 31; and
- 4th quarter: January 1 to March 31.

Electronic reports must be completed and forwarded to the Contracting Authority no later than 15 calendar days after the end of the quarterly period. If no Work is provided during a given period, the Contractor must provide a "NIL" report. The Contractor must complete all of the data fields identified in the report, as applicable.

TASK AUTHORIZATION REPORT

Contract Number :						
Reporting Period: _____ to _____						
TA Number	TA Amendment Number	Date of TA / TA Amendment	Value of TA / TA Amendment (GST/ HST excluded)	GST/HST	Value of TA / TA Amendment (GST/HST included)	Cumulative Amount

If the Contractor does not comply to the above reporting requirements, Canada has the right pursuant to the default provisions of the contract, to terminate the contract for default.

4. 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.

4.1 General Conditions

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

5. Term of Contract

5.1 Period of the Contract

The period of the Contract is from 01 November 2012 to 31 October 2015 inclusive.

5.2 Adherence to Delivery Schedule

The contractor will promptly give notice to the Department of Public Works and Government Services of its inability to meet the contract delivery schedule and will request therein an extension of time stating its proposed revised delivery schedule and offering consideration for such revisions. Until such notice is received and the revised delivery schedule agreed to by the Department of Public Works and Government Services, the Minister may, pursuant to the General Conditions, on the business day following the due date of delivery of any outstanding materials, **terminate the whole or part of the contract for default.**

5.3 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to 2 additional 1 year periods under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least 30 calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

6. Authorities

6.1 Contracting Authority

The Contracting Authority for the Contract is:

J.L. LeGrow Supply Team Leader
Public Works and Government Services Canada
Acquisitions Branch, Commercial Acquisition & Supply Management Sector
Logistics, Electrical, Fuel & Transportation Directorate
Fuel & Construction Products Division (HL)
11 Laurier Street, 7A2, Place du Portage, Phase III
Gatineau, QC K1A 0S5

Telephone: 819-956-3524 Facsimile: 819-956-5227
E-mail address: Joe.Legrow@tpsgc-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.

6.2 Contractor's Representative

Name and telephone number of the person responsible for :

	General Enquiries	Delivery Follow-up
Name:	_____	_____
Telephone No.:	_____	_____
Facsimile No.:	_____	_____
E-mail address:	_____	_____

7. Payment

7.1 Basis of Payment

The following basis of payment will form part of the approved Task Authorization (TA). The task price must be determined in accordance with the Basis of Payment at Annex "E".

(a) TA subject to a Limitation of Expenditure

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex "E", to the limitation of expenditure specified in the approved TA. Customs duties are excluded and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

Canada's liability to the Contractor must not exceed the limitation of expenditure specified in the approved TA. No increase in the liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the

Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Requisitioning Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Requisitioning Authority. The Contractor must notify the Requisitioning Authority in writing as to the adequacy of this sum:

- (i) when it is 75 percent committed, or
- (ii) four (4) months before the final delivery date specified in the TA, or
- (iii) as soon as the Contractor considers that the approved TA funds provided are inadequate for the completion of the Work specified in the approved TA,

whichever comes first.

If the notification is for inadequate approved TA funds, the Contractor must provide to the Requisitioning Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

7.2 Limitation of Expenditure - Total Task Authorizations

1. Canada's total liability to the Contractor under the Contract for all approved Task Authorizations, inclusive of any amendments, must not exceed \$250,000.00. Customs duties are included if applicable; and the Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

- (a) when it is 75 percent committed, or
- (b) four (4) months before the Contract expiry date, or
- (c) as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

3. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

7.3 Method of Payment

The following method of payment will form part of the approved TA:

8.3.1 Monthly Payments For Work Performed Under Task Authorization

Canada will pay the Contractor on a monthly basis for work performed during the month covered by the invoice in accordance with the payment provisions of the Task Authorization and the Contract if:

(a) an accurate and complete invoice and any other documents required by the Task Authorization and the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;

(b) all such documents have been verified by Canada;

(c) the Work performed has been accepted by Canada.

7.3.2 Method of Payment Applicable For Free Flow R&O

Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

a) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;

b) all such documents have been verified by Canada;

c) the Work delivered has been accepted by Canada.

7.4 SACC Manual Clauses

THE FOLLOWING TERMS AND CONDITIONS ARE INCORPORATED HEREIN

SACC Reference	Section	Date
C2611C	Customs Duties - Contractor Importer	2007-11-30
C2801C	Priority Rating - Canadian-based Contractors	2011-05-16

8. Capability

The Contractor must formally advise the Contracting Authority, in writing, of any loss or anticipated loss of capability to perform any or all of the work stipulated in the Contract.

The parts and components which may be necessary for performing R&O on the ROWPUs are identified in the Technical Drawing Package. It will be the successful Contractor's responsibility to supply all commercially available parts and components necessary to complete the work. It is expected that any manufacturer whose parts or components are specified in the Technical Drawing Package will make them available either through an authorized distributor, representative or agent. In the advent that any part(s) or component(s) is/are not made commercially available to the successful Contractor, the following shall apply:

The Contractor must advise the Technical Authority in writing of any parts or components which are not available to it (including all particulars regarding sources, reason(s) for unavailability, etc.)

DND reserves the right to substitute any available part(s) or component(s) subject to acceptance by the Technical Authority.

DND reserves the right to supply any part(s) which the Contractor cannot acquire as Government Supply Material (GSM). Any and all parts or components given to the Contractor as GSM will not be subject to any mark-up on the part of the Contractor and will not in any way be charged to Canada by the Contractor.

Any resulting contract will be a Defence contract with the meaning of the Defence Production Act. The Technical Authority reserves the right to investigate the unavailability of parts or components which are specifically referenced in the Technical Drawing Package but are not made available to the Contractor.

9. Volume of Work

The basis of payment in the contract, including the rates and prices, must remain in force notwithstanding any variation between the volume of work upon which those rates are based and the volume of work actually received by the contractor. Further, the Contractor may not claim from the Canada any under recovery of fixed overhead expenses as a result of reduced business volume.

10. Administration Provisions - Overtime Work Authorization and Travel

1. Emergency repairs/work which is specifically requested to be performed at other than the normal working hours may be charged at a rate not to exceed 1.5 times normal time for overtime on normal days and Saturdays and 2 times normal time on Sundays. Emergency repairs required on Statutory Holidays may be charged at a maximum of two times the normal rate. No premium overtime shall be charged unless authorized in writing by the Requisitioning Authority.

2. For the purposes of this requirement, the following working hours and overtime periods shall apply:

(a) A normal working day shall be any 8.0 hour period between the hours of 7:00 a.m. and 7:00 p.m., Monday to Friday inclusive and totalling 40 hours per week;

(b) Overtime Monday to Friday will commence after 8.0 hours of continuous work each day;

(c) Overtime Saturday and Sunday will be any period worked either Saturday or Sunday.

3. Travel beyond a 40-kilometre radius of work site will, when authorized by the Department of National Defence Technical Authority, be paid in accordance with Treasury Board Travel Directives for the Public Service, current issue in force at the time, and such expense incurred shall be paid without any allowance for overhead profit.

4. No allowance will be made for any removal expense incurred by the assigned personnel either to or from the work area.

11. Cost Submission

1. If requested by the Contracting Authority or auditor designated by the Contracting Authority, the Contractor must submit to the Contracting Authority or the auditor as applicable, a cost submission, upon completion of the Contract or annually for multi-year contracts spanning more than one contractor fiscal year.

2. The cost submission must contain a breakdown of all applicable cost elements as detailed in the Contract and must be signed and certified accurate by the Contractor's Senior Financial Officer, unless stated otherwise in writing by the Contracting Authority.

3. Supporting information must be available in sufficient detail for each cost element to allow for an in-depth audit.

12. 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 on the invoice is completed. Invoices must be submitted on the Contractor's own invoice form and shall include the following information :

- (a) the date;
- (b) name and address of the consignee;
- (c) contract number, serial number and financial codes;
- (d) the Task Authorization (TA) number, (if applicable);
- (e) quantity, device type, manufacturer and serial number;
- (f) Client Reference Number (CRN);
- (g) Procurement Business Number (PBN).

2. The original invoice shall be forwarded to the DND Requisitioning Authority, who shall certify that the work has been performed, the goods have been provided, or the services have been rendered and that the terms and conditions of the contract have been satisfied.

Once completed :

- (a) the original must be forwarded to :

National Defence Headquarters
101 Colonel By Drive
Ottawa ON K1A 0K2
Attn: D Mar P 3-4

- (b) one (1) copy must be forwarded to :

Public Works & Government Services Canada
Place du Portage, Phase III
11 Laurier Street
Gatineau Qc K1A 0S5
Attn : J.L. LeGrow, HL Division (7A2)

13. Certifications

13.1 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.

14. 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*)

15. 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 _____ (if applicable, *insert number, date and title*);
 (c) 2010A (2012-07-16) General Conditions - Goods (Medium Complexity);
 (d) Annex X, Statement of Work **OR** Requirement;
 (e) Annex X, Basis of Payment;
 (f) Annex X, Security Requirements Check List (if applicable);
 (g) 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))

16. Defence Contract

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

17. SACC Manual Clauses

THE FOLLOWING TERMS AND CONDITIONS ARE INCORPORATED HEREIN

SACC Reference	Section	Date
B4019C	United States Military Specifications and Standards	2007-11-30
D3010C	Dangerous Goods/Hazardous Products	2012-07-16
D3015C	Dangerous Goods/Hazardous Products	2007-11-30
A9016C	Hazardous Waste Disposal	2011-05-16
D5510C	Quality Assurance Authority (DND) - Canadian-based Contractor	2012-07-16
D5515C	Quality Assurance Authority (DND) - Foreign-based and United States Contractor	2010-01-11
D5540C	ISO 9001:2008 Quality Management Systems - Requirements (QAC Q)	2010-08-16
D5604C	Release Documents (DND) - Foreign-based Contractor	2008-12-12
D5605C	Release Documents (DND) - United States-based Contractor	2010-01-11
D5606C	Release Documents (DND) - Canadian-based Contractor	2012-07-16
G1005C	Insurance	2008-05-12
A1009C	Work Site Access	2008-05-12
B8044C	Mobile Repair Parties	2007-05-25

18. Release Documents - Distribution

The Contractor must prepare the release documents in a current electronic format and distribute them as follows:

- a. One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- b. Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- c. One (1) copy to the Contracting Authority;
- d. One (1) copy to:
 - National Defence Headquarters
 - Mgen George R. Pearkes Building
 - 101 Colonel By Drive
 - Ottawa, ON K1A 0K2
 - Attention: Pamela Khoury D Mar P 3-4
- e. One (1) copy to the Quality Assurance Representative;
- f. One (1) copy to the Contractor; and
- g. For all non-Canadian contractors, one (1) copy to:
 - DQA/Contract Administration
 - National Defence Headquarters
 - Mgen George R. Pearkes Building

101 Colonel By Drive
Ottawa, ON K1A 0K2

E-mail: ContractAdmin.DQA@forces.gc.ca

NOTE: For into-plane refuelling contracts b, c and d above are not required.

19. Shipping Instructions

19.1 Shipping Instructions (DND) - Canadian-based Contractor

1. Delivery will be FCA Free Carrier at _____ (*insert the named place, e.g. Contractor's facility*) Incoterms 2000. The Contractor must load the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility.
2. Before shipping the goods, the Contractor must contact the following DND Inbound Logistics Coordination Centre by facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph 3.

Instruction to Contracting Authority: Before contract award, choose either shipping option (a), (b), (c), (d), or (e), and delete the unused options and this instruction.

- (a) *Insert the following for all sole source contracts, except repair and overhaul, where the Contractor is located in Canada:*

Inbound Logistics Coordination Centre (ILCC)

Telephone: 1-877-877-7423 (toll free)

Facsimile: 1-877-877-7409 (toll free)

E-mail: ILHQOttawa@forces.gc.ca

OR

- (b) *Insert the following for all repair and overhaul contracts where the Contractor is located between Kingston inclusive and westward to the Ontario/Manitoba border:*

Inbound Logistics Central Area (ILCA)

Telephone: 1-866-371-5420 (toll free)

Facsimile: 1-866-419-1627 (toll free)

E-mail: ILCA@forces.gc.ca

OR

- (c) *Insert the following for all repair and overhaul contracts where the Contractor is located in Manitoba, Saskatchewan, Alberta, British Columbia, and the National Capital Region inclusive to east of Kingston:*

Inbound Logistics Coordination Centre (ILCC)

Telephone: 1-877-877-7423 (toll free)

Facsimile: 1-877-877-7409 (toll free)

E-mail: ILHQOttawa@forces.gc.ca

OR

- (d) *Insert the following for all repair and overhaul contracts where the Contractor is located in Quebec:*

Inbound Logistics Quebec Area (ILQA)

Telephone: 1-866-935-8673 (toll free), or 1-514-252-2777, ext. 2323, 2852 or 4673

Facsimile: 1-866-939-8673 (toll free), or 1-514-252-2911

E-mail: 25DAFCTrafficQM@forces.gc.ca

OR

- (e) *Insert the following for all repair and overhaul contracts where the Contractor is located in Atlantic (New Brunswick, Prince Edward Island, Nova Scotia, Newfoundland and Labrador):*

Inbound Logistics Atlantic Area (ILAA)

Telephone: 1-902-427-1438

Facsimile: 1-902-427-6237

E-mail: FLogILAA@forces.gc.ca

-
3. The Contractor must provide the following information to the DND Inbound Logistics Coordination Centre when arranging for shipment:
 - (a) the Contract number;
 - (b) consignee address (for multiple addresses, items must be packaged and labelled separately with each consignee address);
 - (c) description of each item;
 - (d) the number of pieces and type of packaging (i.e., carton, crate, drum, skid);
 - (e) actual weight and dimensions of each piece type, including gross weight;
 - (f) full details of dangerous material, as required for the applicable mode of transportation, signed certificates for dangerous material as required for shipment by the International Maritime Dangerous Goods Code, the International Air Transport Association regulations or the applicable Canadian Dangerous Goods Shipping Regulations, and a copy of the material safety data sheet.
 4. Following receipt of this information by Canada, Canada will provide the appropriate shipping instructions, which may include the requirement for specific consignee address labelling, and the marking of each piece with a Transportation Control Number.
 5. The Contractor must not ship the goods before receiving shipping instructions from the DND Inbound Logistics contact.
 6. If the Contractor delivers the goods at a place and time which are not in accordance with the given delivery instructions or fail to fulfil reasonable delivery instructions given by Canada, the Contractor must reimburse Canada any additional expenses and costs incurred.
 7. If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.

ANNEX "A"

**STATEMENT OF WORK
FOR
REPAIR AND OVERHAUL OF THE
FRESH WATER SYSTEMS**

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ANNEX

ANNEX A - FRESH WATER SYSTEMS R&O MANDATORY REQUIREMENTS

INTRODUCTION

- 1.1 The Department of National Defence (DND), Director of Maritime Ship Support (DMSS 4), has a requirement for repair and overhaul of fresh water storage units, fresh water production units, Bromine systems and water treatment systems and provision of engineering services for all classes of ships.

2 SCOPE

- 2.1 Purpose. This Statement of Work (SOW) defines the scope of work necessary to accomplish the repair, repair and overhaul (R&O), modification, Technical Investigation and Engineering Service (TIES), and reduction to spares of selected Shipboard Reverse Osmosis Desalination (SROD/DESALINATION UNIT) units aboard DND ships in order to return them to a sustainable/supportable condition.

Background. The Department of National Defence has a requirement to repair/overhaul SROD/DESALINATION UNIT units on an as and when requested basis. Due to extensive maintenance costs, MK II SROD/DESALINATION UNIT units currently being used in the fleet are becoming more unsupportable. Improvements in technology and the requirement to maintain conformity throughout the Fleet have necessitated the requirement to overhaul and in some cases replace aging components. This Statement of Work defines the scope of work required to maintain SROD/DESALINATION units and upgrade MK II SROD/DESALINATION UNIT units to the newer MK III version (as identified in C-27-948-000/NQ-001). All SROD/DESALINATION units will require constant monitoring and upgrading over the life-cycle in order to meet the operational tempo in the future.

3.0 TECHNICAL REQUIREMENTS

- 3.1 The Contractor shall be required to test and repair, and where required, calibrate all articles (repairables) that form part of the equipment listed in Appendix 1 and 2.
- 3.2 The minimum repair on every arising shall include:
- 3.2.1 Incoming inspection of mechanical and electrical components;
 - 3.2.2 Cleaning, visually inspecting and bench testing;
 - 3.2.3 Cleaning and testing necessary to locate and isolate defects, deficiencies and determine nature and extent of work;
 - 3.2.4 Disassembling to the extent necessary to inspect for needed repairs of parts or sub-assemblies;
 - 3.2.5 Performing necessary repairs, including rework and/or replacement of parts or sub-assemblies. All painted surfaces shall be cleaned to bare metal and repainted to DND Standard D-23-003-005/SF-002;
 - 3.2.6 In-process inspection to ensure rectification of defects and deficiencies;

- 3.2.7 Reassembling, performing calibration, functionally testing, performing acceptance inspection as defined in the Original Equipment Manufacturers Specifications and preparing for shipment; and
- 3.2.8 Conducting final inspection in accordance with approved test procedures and Quality Plan.

3.3 Scope of Work The work to be performed under this contract is as follows:

- 3.3.1 The Contractor shall repair & overhaul entire SROD/DESALINATION UNIT units' assembly and their components in the Contractor's plant or by Mobile Repair Party (MRP) in situ;
 - 3.3.2 The Contractor shall document all modifications requested and/or approved by the technical authority;
 - 3.3.3 The Contractor shall conduct reduction of units or their components to spares on a required basis;
 - 3.3.4 The Contractor shall maintain an inventory and conduct quality control of DND spares;
 - 3.3.5 The Contractor shall update drawings and documentation as required;
 - 3.3.6 The Contractor shall undertake Special Investigation and Technical Studies (SITS) or Technical Investigation and Engineering Service (TIES), on an as required basis. Technical Investigation and Engineering Services shall include requirement analysis and planning to ensure current reliability and availability specifications can be met as well as scheduling of maintenance, identifying spares and support and the development of policies and maintenance procedures. This also includes the contract maintenance activities as well as the validation/acceptance of deliverables when the maintenance activity is contracted
 - 3.3.7 The Contractor shall provide Field Service Representative (FSR) support for Technical Investigation and Engineering Services (TIES) on an as required basis;
 - 3.3.8 The Contractor shall identify obsolete SROD components. For components that have to be replaced, modified, or redesigned, the existing manufacturing drawings are to be amended to reflect all changes. The performance of the equipment shall meet or exceed the existing system specifications of the fitted equipment. Reduction in equipment or system performance is not acceptable. These changes are to be approved by the TA or PM prior to implementation;
- 3.4 Access to SROD/DESALINATION UNIT and unit assemblies will granted by DND/LCMM to the contractor on an as required basis;
- 3.5 After completion of work and acceptance by the Technical Authority for DND, the unit will be identified by its newer version and baseline configuration report submitted to the LCMM for Configuration Management tracking;
- 3.6 After completion of repair and overhaul, assemblies shall be returned to DND in conformance with the applicable Standard Disconnect Point Specification;

- 3.7 Technical Review Meetings shall be held on an as required basis. These meetings shall address technical, contractual and procedural issues of the contract. The Contractor shall be responsible for the drafting and promulgation of agendas and minutes for these meetings;
- 3.8 The equipment shall be repaired and restored to a serviceable operating condition to meet the standards of performance and reliability described in the repair and test schemes (proposed by the Contractor and approved by DND), technical orders, original procurement specifications and test sheets as applicable. When such standards are not described or when standards described are considered by the Contractor to be inadequate, the Contractor is to submit the standards of performance and reliability, to which the Contractor proposes to repair the equipment, through the Quality Assurance Representative, to the Design Authority (DA) for approval. No work shall commence until standards are defined and agreed upon by the DA;
- 3.9 The Contractor shall maintain a supply of spare parts, subassemblies and component parts to ensure minimum turn-around-time. The Contractor's submitted proposal shall identify material which may be difficult or impossible to obtain or manufacture and as a result, impacting the repair process and turn-around-time. All parts will be Contractor Furnished Material (CFM); and
- 3.10 The Contractor shall provide training to Naval Personnel on selected equipment Mechanical/Operating procedures on an as required basis at the request of the DA/RA through a DND 626 form. Scope of training will be described and defined under each tasking.

4. APPLICABLE DOCUMENTS

- 4.1 Applicability. The following documents form part of this SOW to the extent specified herein, and are supportive of the SOW when referenced in Section 3.0 - REQUIREMENTS; all other document references are to be considered supplemental information only. Unless otherwise specified, the issue or amendment of documents effective for this contract shall be those in effect on the date of contract award. In the event of a conflict between the documents referenced herein and the contents of the SOW, then the SOW shall take precedence.
- 4.2
- a. C-27-948-000/NQ-001 Repair and Overhaul Specification for Reverse Osmosis Desalinators.
 - b. D-23-003-005/SF-002 DND Maintenance Painting Specification for HMC Ships
 - c. C-27-948-000/MS-002 Technical Manual for the Shipboard Reverse Osmosis Desalinators (SROD/DESALINATION UNIT) System
 - d. D-03-002-006/SG-000 Repair/Overhaul and Post Repair/Overhaul Inspection and Test Procedures for Shipboard Electric Motors.
 - e. Part No. 84372 - Thornton Instruction Manual, 770 Max Multiparameter Analyzer/Transmitter.
 - f. Water purification S-Rod MK III unit Skid Mtd Rod data list DL-27-C77-000-00.
 - g. D-LM-000-036/SF-001
- 4.3 The following documents of the latest issue and revision, form part of this SOW to the extent specified herein:
- 4.3.1 ISO Standards (Current Edition):

ISO 1005:1995	Quality Management - Guidelines for Quality Plans
ISO 1006:1997	Quality Management - Guidelines to Quality in Project Management
ISO 1007:1995	Quality Management - Guidelines for Configuration Management
ISO 9001:2008	Quality Management Systems - Requirements

4.3.2 DND Standards and Specifications:

A-LM-184-001/JS-001	Special Instructions Repair and Overhaul Contractors.2002-11-30.
A-LM-187-002/JS-001	Packaging and Preservation, Vol 2, Detailed. 1994-12-16.
D-LM-008-036/SF-000	Department of National Defence Minimum Requirements for Manufacturer's Standard Pack. Change 2, 1990-06-11.
D-01-100-220/SF-000	Preparation of Modification Instructions.Change 1,1992-02-11.
D-01-002-007/SG-001	Requirements for the Preparation of Configuration Management Plans. 1994-07-29.
D-02-002-002/SG-000	CF Standard, General Requirements for Repair, Overhaul and Restoration of Electronic and Avionic Equipment by Civilian Contractors. 1995-01-31.
D-02-006-008/SG-001	National Defense Standard, Design Change, Deviation and Waiver Procedure. Change 1, 1985-05-16.
D-12-020-001/SF-001	Quality control of Non-destructive Testing.
D23-003-005/SF-002	Specification for Maintenance Painting of HMC Ships 2006-03-31.

4.3.3 Canadian Forces Technical Orders. (CFTO):

C-02-005-011/AM-000	Procedures and Guidelines for Mobile Repair Parties Manned by Contractor Personnel. 2004-01-30.
C-02-015-001/AG-000	Policy Procedures and Guidelines Unsatisfactory Condition Report - CF 777, Basic, 2000-09-20.
C-06-006-005/VB-000	(MIL-HDBK-263A - METRIC) Military Handbook, Electrostatic Discharge Control Handbook for Protection of Electrical and

Electronic Parts, Assemblies & Equipment. Adopted, 1991-02-22.

C-02-005/013/AM-000 Shelf Life and Storage of Material.

C-03-010-001/NQ-LM1 Electric Motors, Controllers and Associated Equipment, Refit Overhaul general Requirements.

5.0 DELIVERABLES

5.1 General Unless specifically advised, the contractor shall repair/ overhaul/convert SROD/DESALINATION UNIT units on site or at his facility.

5.1.1 Within fifteen (15) working days after receipt of repair request, the SROD/DESALINATION UNIT in question shall be inspected; a list of repairs over and above those listed in the C-27-948-000/NQ-001 (R&O Specification) shall be made and sent to the Technical Authority for approval. R&O of the units shall be completed as per the R&O specification, which will be determined by the Technical Authority and SROD/DESALINATION UNIT availability;

5.1.2 Repair of equipment / parts may be authorized by the Technical Authority when full overhaul is not required; and

5.1.2.1 Used components shall be set aside in containers, identifying by serial number where applicable, the SROD/DESALINATION UNIT from which they came and inspected for possibility of re-use. Components are to be retained by the contractor until deemed non-serviceable and disposal instructions are given by DND.

5.2 Delivery Requirements If components are removed for R&O by the contractors to be repaired at the repair facility then the components are returned to the Crown in the following condition:

5.2.1 The components shall be free of corrosion. All mild steel components shall be painted IAW D-23-003-005/SF-002 with two coats of 1-GP 48 red oxide primer and two coats of 1-GP-61 enamel alkyd marine external grey 501-109 Spec 1-GP-12;

5.2.1.1 The components shall be free of all dirt and debris:

5.2.1.2 The components are to be properly flushed clean, drained, and all assembly/subassembly parts proven dry of all liquids prior to shipping with the exception of the First and Second pass pumps. The aforementioned pumps shall be preserved in accordance with manufacturer's instructions; and,

5.3 Acceptance Criteria A Repair and Overhaul Inspection Plan (see Annex D and E of R&O Specification C-27-948-000/NQ-001) shall be completed on all units prior to acceptance of completed work. The following tests, which are part of the R&O Inspection Plan, shall be performed on all units.

- 5.3.1 A hydrostatic test shall be completed and confirmed leak free by the technical authority or his delegated representative where all parts of the system are tested to working pressure for thirty minutes; and,
- 5.3.2 A factory acceptance test (in accordance with C-27-948-000/NQ-001 Repair and Overhaul Specification) shall be completed with the technical authority or his designated representative present. Equipment, which fails to meet these requirements, shall be reworked and retested at the contractor's expense.

5.4 Documentation

- 5.4.1 The contractor shall produce a "Final Test Report". One copy is to be retained by the contractor and one is to be forwarded to the Technical Authority. The report shall include;
 - a. A final completed copy of the R&O Inspection Plan (IAW Annex D and E of C-27-948-000/NQ-001); and
 - b. A description of the work completed on the unit.
- 5.4.2 For each visit of an equipment to the contractor's plant the following information shall be maintained:
 - a. Receiving information and the initial strip report;
 - b. SROD/DESALINATION UNIT inspection report;
 - c. Final test report;
 - d. Contractors and sub-contractors/suppliers QC documentation; and,
 - e. Shipping information.

The Technical Authority or his designated representative shall have access to this information on an as required basis.

- 5.4.3 When accepted, SROD/DESALINATION UNIT units or components shall be crated IAW the requirements of D-LM-008-036/SF-000 and returned to the Canadian Forces Supply System.

5.5 Mobile Repair Party/FSR/TIES/SITS

- 5.5.1 The Contractor shall supply all necessary OEM parts to complete the repairs unless otherwise specifically advised in writing by the Technical Authority DMSS 4-6-6 or DMSS 4-6-9.
- 5.5.2 Specific tasking under the FSR/TIES element of this contract may include, but will not be limited to the following areas:

- a. Technical investigation of equipment faults;
- b. On-site inspection and related follow-up support (defect, correction, modification or supervision of repairs);
- c. Providing engineering recommendations and reports on equipment/system improvements and upgrades;
- d. Assisting in the review of technical documentation and provide recommendations for changes or improvements, including training and maintenance procedures;
- e. Conducting on-site verification of operation and maintenance procedures with ship's staff;
- f. Assisting with identification of spare parts and the maintenance of configuration control; and
- g. Inspecting components held as spares in the Canadian Forces Supply System.
- h. Any other maintenance or training related requirements.

5.5.3 The Contractor shall provide a report within 15 working days of the completion of the tasking. The Report will include but will not be limited to the period of performance, the hours worked, the findings, the action taken, parts used, recommendations for follow up actions.

6 MODIFICATIONS AND IMPROVEMENTS

- 6.1 All items returned to the Repair and Overhaul facility shall be repaired with all approved modifications and/or improvements incorporated.
- 6.2 Upon mutual agreement, the Contractor may be required to design and prove modifications proposed by DND or by the Contractor and provide estimates of the cost of modification kits.

Modification or CANAVMOD instructions shall be prepared or revised in accordance with Specification D-01-100-220/SF-000.

- 6.3 As required and upon request of the DA, the Contractor shall provide Operational/Maintenance training to operators to fully detail the modifications.

7 CONFIGURATION MANAGEMENT

- 7.1 All items/equipment repaired under this contract shall be subject to Configuration Management. The principles defined in D-01-002-007/SG-001 (Requirement for the Preparation of Configuration Management Plans) shall be implemented at the Contractors facility. Design change, deviation and waiver requests shall be in accordance with procedures contained in D-02-006-008/SG-001. All class

one (1) changes i.e., changes that affect fit, form and function of any assembly, subassembly or component shall be submitted to the Technical Authority. Approval of all other changes shall be managed and implemented by the Contractors Configuration Control Board. The Contractor shall maintain and update all specifications, drawings and in-plant support documentation (i.e., Quality Assurance), which defines the configuration item repaired under this contract.

8 SUPPLIER QUALIFICATION

8.1 Selected item(s) of Appendix 1 shall be scheduled to be qualified to ensure the Contractor's repair process and procedures are adequate and that the repaired items are:

8.1.1 Interchangeable; and

8.1.2. Meet any physical and electrical design requirements, i.e., pressure, force, dimension, torque, shock and input/output signals.

9 DND DESIGN AUTHORITY

The DND Design Authority for this requirement is DMSS 4 at National Defence Headquarters, Ottawa. The Project Manager shall be Mr. Daniel.M. Murphy, DMSS 4-6-9, (819) 994-8833, Email daniel.murphy4@forces.gc.ca. All technical enquiries shall be directed to:

By Mail:

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON, Canada
K1A 0K2

For visits or courier deliveries:

Department of National Defence
Edifice Louis St-Laurent
555 Boul de la Carrière
Hull, PQ, Canada
J8Y 6R5

Attention: Mr. D.M. Murphy, DMSS 4-6-9, Tel: (819) 994-8833

LOGISTICS
STATEMENT OF WORK
for
REPAIR and OVERHAUL

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1.0 GENERAL

1.1 AIM

1.1.1 The Contractor shall conform to such Supply procedures as are advised in this Annex A & B and A-LM-184-001/JS-001 (Special Instructions on R&O for Contractors) related to the management of equipment and stores in his possession. The Department of National Defence (DND) reserves the right to exercise surveillance over all aspects of the Contractor's performance related to this contract.

1.2 EXTENT OF WORK

1.2.1 The complete overhaul of all arisings (except life items that are time expired) is not permitted under the terms of this Statement of Work. The intent is that repair work will be done and overhaul resorted to only where such is economically and technically justifiable; or where required by technical specifications. The following definitions will apply:

- a. **Repair:** The identification and correction of those specific defects which degrade the performance of an item causing it to function below the specifications;
- b. **Overhaul:** The restoration of an item to its original condition/near life expectancy. It includes the replacement of worn, damaged or life expired parts; and the rework of components as necessary;
- c. **Interchangeability:** Following repair, the article must remain fully interchangeable (form, fit and function) with articles catalogued under the same reference number and part number. This concept of interchangeability must be extended to include internal characteristics such as wave forms and components layout in order to ensure full compatibility with automatic test equipment software and automatic probing.

1.3 COMPLETION OF WORK

1.3.1 On completion of Repair and/or Overhaul, the Contractor shall prepare and transmit a stock holding code (SHC) change notification in accordance with Chapter 2 of A-LM-184-001/JS-001.

1.3.2 The following "Contractor Certification" shall be stamped on the CFSS Supply Document and signed prior to the Contractor transmitting the SHC Change Notification:

Contractor Notification

I certify that the item(s) listed above have been inspected, tested and conform to all specifications and requirements detailed in the contract or purchase order.

Signature
(Contractor QC)

Date

2.0 ADMINISTRATION

2.1 RECEIPT

2.1.1 On receipt of Major (A Class) equipment, the Contractor shall check the completeness of the major equipment against the appropriate check lists and the consignor's issue voucher, and report any discrepancy to the consignor with an information copy to the Canadian Forces Quality Assurance Region (CFQAR) and the Requisitioning Authority. The Contractor shall, within two (2) working days of receipt of equipment, notify NDHQ/QAR, as applicable, by message stating the applicable Supply Transfer Order/Vehicle Movement Order (STO/VMO) message, type and model, serial number(s) and date of receipt.

2.2 DISCREPANCIES IN RECEIPTS

2.2.1 If upon initial inspection, the Contractor identifies equipment as having same form, fit and function as other equipment but as being mis-identified (as per A-LM 137), the Contractor shall forward a message to the consignor with the following information:

- a. discrepancy in identification;
- b. document number(Doc No.);
- c. NSN and quantity vouchered;
- d. NSN and quantity actually received;
- e. no Discrepancy Report(DR) action taken;
- f. re-identification "EEDNL" Doc No.; and
- g. suggest stock verification and consider complete

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2.2.2 When other discrepancies are discovered, the Contractor shall prepare a Discrepancy Report (CF 1092) in four copies, attaching a copy of the original issue instruction. A separate DR is required for each line item. The Contractor shall forward the DR to the consignor within 45 calendar days of delivery of shipment.

2.3 WORK CONTROL

2.3.1 The Contractor shall ensure that the repair of all DND major equipment is controlled by a serial numbered work order in accordance with Chapter 2 of A-LM-184-001/JS-001. Upon completion of work, the work order shall include at least the following:

- a. a contract serial number against which all costs incurred are chargeable;
- b. the Nato Stock Number(NSN) and/or Part Number (PN), description, quantity and serial number, if any, of item repaired;
- c. a cross reference to all Supply Documents. This includes receipt, issues and returns, including scrap activity, finalization of repair, inspection, and final acceptance;
- d. reference to the applicable technical data;
- e. details of the work performed;
- f. a list of all the parts, by part number and description, found unserviceable and requiring repair and/or overhaul, ensuring that the repair scheme is referenced;
- g. a list of parts required, identifying the stores from which issued (eg, CIS, GFOS, AAS or CFM);
- h. repair cost estimate; and
- i. the identity of the person opening the work order.

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- 2.3.2 The Contractor shall provide to the CFQAR, and as necessary amend, a list of contractor personnel authorized to open work orders.

2.4 COST CONTROL

- 2.4.1 The Contractor shall monitor the cost of each repair to ensure that total repair costs remain within approved limits. Appropriate management control procedures must be in place and records maintained. These control procedures and records shall be available for review and/or audit on request.
- 2.4.2 The Contractor shall submit an invoice/unit that includes sufficient breakdown of labour hours/category worked, parts purchased and any other applicable costs associated with the repair and overhaul of each unit with each request for payment to the Requisition Authority for repairables covered under this contract.

2.5 COSTING RECORDS

- 2.5.1 The Contractor shall prepare forms and maintain records which will provide:
- a. a cost listing, by serial number if applicable, of each item or job lot going through the repair line;
 - b. a detail of the extent of work carried out, in-process inspections completed and materiel embodied at any stage of the repair process;
 - c. the average cost of repair and/or overhaul, by NSN; and
 - d. the total repair cost for an item (NSN), by work order.

NOTE: This data shall be provided as requested by the Requisitioning Authority and/or CFQAR.

2.6 PUBLICATIONS

- 2.6.1 General procedures with respect to management of publications are contained in Chapter 11 of A-LM-184-

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001/JS-001. The Contractor shall document requirements for publications and submit to the CFQAR. The Contractor shall develop procedures to control all DND publications in their possession and be responsible for amending all DND publications in his custody. The Record of amendments shall be maintained as indicated in the applicable area of each publication.

2.6.2 Unless otherwise specified, publications may be copied and/or extracts taken from them. As these copies/extracts are not subject to follow-up amendment action, they are not valid for use as a reference document and shall be stamped "FOR INFORMATION ONLY". Contractors shall ensure that any classified documents are provided with the appropriate security, consistent with the provisions of A-SJ-100-001/AS-000.

2.6.3 The Contractor shall respond to any request for "verification of publication holdings" which may be requested periodically by DND.

2.7 OFFICE SERVICES

2.7.1 The Contractor shall perform the secretarial and clerical work necessary to carry out the terms of this contract with respect to the preparation, filing and transmission of all forms, reports and correspondence, relating to the movement, accounting, storage, repair, overhaul, quality control and investigation of materiel covered by this contract. The provision of these office services shall be deemed to be work as defined in PWGSC General Conditions (PWGSC-MAS 9601).

2.8 MINUTES OF MEETINGS

2.8.1 When minutes of meetings are required, the Contractor shall be responsible for taking them and preparing them in a format approved by the Requisitioning Authority. The Contractor shall submit the minutes to Public Works and Government Services Canada (PWGSC) and the Requisitioning Authority as directed at the meeting, within ten (10) working days following the meeting.

2.9 PLANT SHUTDOWN/VACATION PERIOD

2.9.1 During plant shutdown and/or vacation periods, the Contractor shall ensure that adequate facilities/personnel are available to ensure the satisfaction of Priority Repair Requests (PRRs). If contractor personnel are not on site during shutdown, a list of names and home phone numbers of those contractor personnel to be contacted during plant closure shall be provided to the CFQAR. It is the Contractor's responsibility to ensure that personnel are available to satisfy PRR requirements once identified.

3.0 MAINTENANCE SUPPORT

3.1 MINOR REPAIRS

3.1.1 If DND supplied parts are urgently required to effect delivery of Major Equipment and are not immediately available from DND, then minor repair may be carried out to the unserviceable part by the prime Contractor at the discretion of and as directed by the CFQAR.

3.2 MOBILE REPAIR PARTIES (MRPs)

3.2.1 The Contractor shall provide a MRP, when authorized by the Requisitioning Authority, in accordance with CFTO C-02-005-011/AM-000.

3.3 EQUIPMENT TURN AROUND TIME (TAT)

3.3.1. DND has estimated that the turnaround time for repair can be achieved in 60 calendar days. TAT is defined as that period of time from "date of receipt to date item is reported serviceable". Repair priority is governed by the Selection Notice and Priority Summary (SNAPS). The principle of "first in"- "first out" (FIFO), shall be observed whenever possible.

NOTE: Hourly Rate is indicated in the Basis of Payment.
Actual Hours will be as negotiated by PWGSC.

3.4 PRIORITY REPAIR REQUEST (PRR)

3.4.2 The Contractor shall be prepared to satisfy PRRs in an expeditious manner. If the Required Delivery Date (RDD) cannot be met, the Contractor shall advise the originator

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and consignee for a more realistic Estimated Delivery Date (EDD). This EDD shall be amended as required until the PRR is satisfied.

3.5 SPECIAL INVESTIGATION AND TECHNICAL STUDIES (SITs)

3.5.1 When authorized by the Requisitioning Authority, the Contractor shall undertake special investigation and technical studies and shall provide relevant data to these investigations as and when required. The scope of work normally covered under special investigation and technical studies is to cater for equipment not meeting specification standards or due to repetitive failures. This excludes studies and/or investigations that have or will have fleet fitment application.

4.0 SUPPLY SUPPORT

4.1 CONTRACTOR SUPPLY ACCOUNTING

4.1.1 Materiel held on Contractor Repair Parts Account (CRPA), Repair Shop Account (RSA) and Repairable Materiel Account (RMA) shall be accounted for as per the Canadian Forces Supply System (CFSS) automated procedures in accordance with A-LM-184-001/JS-001. Government Furnished Overhaul Spares (GFOS) and Accountable Advanced Spares (AAS) will be accounted for in either a manual or an automated system (See Appendix II, Annex A). Supply accounting records for DND materiel shall be maintained separate from other company records.

4.2 TRANSACTION DOCUMENTATION

4.2.1 The Contractor's Document Control Group (DCG) facilities will file and retain the following auditable transaction documentations by applicable account, in accordance with Chapter 3 of A-LM-184-001/JS-001:

a. TRANSACTIONS

- (1) Issue Notices;
- (2) Issue Instructions;

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- (3) Issue Advices;
- (4) Receipt Advices;
- (5) Adjustment Transactions; and
- (6) Demand Amendment Transactions

b. REPORTS

- (1) Two Months History of Transactions (Microfiche);
and
- (2) Item Conversion History (Microfiche).

4.3 PRESERVATION AND PACKAGING FAILURE

- 4.3.1 Equipment damaged due to preservation and packaging failures in shipments shall be reported to the CFQAR using form CF 777, Unsatisfactory Condition Report (UCR), supported by photographs in accordance with CFTO C-02-015-001/AG-000.

4.4 REUSABLE CONTAINERS

- 4.4.1 Surplus reusable containers, identified by NSN shall be brought on charge (BOC) to the CRPA, in accordance with Chapter 3 of A-LM-184-001/JS-001.

- 4.4.2 The Contractor shall inspect, repair and/or repaint reusable metal or wooden containers. If a requirement to repair, replace or provide a reusable container or other packaging materiel has been identified, it will become a charge against the R&O contract at a negotiated rate shown in the "basis of payment" and on the repair work order.

4.5 STOCKTAKING

- 4.5.1 The Contractor shall initiate and complete a one hundred per cent (100%), manual stocktaking of RMA, RSA, CRPA (CIS), GFOS and AAS at least once every two years in accordance with Chapter 6 of A-LM-184-001/JS-001.

4.6 MANAGEMENT OF DND-OWNED SPARES

- 4.6.1 The Contractor is responsible for determining the requirement for spares, obtaining the spares, maintaining custody of the spares, accounting for the spares in an approved manner, issue of the spares for use on the R&O repair line and for the disposal (when so directed) of the spares in accordance with A-LM-184-001/JS-001.

- 4.6.2 Spares shall be used in the following order:

- a. Contract Issue Spares (CIS);
- b. Government Furnished Overhaul Spares (GFOS);
- c. Accountable Advance Spares (AAS); and
- d. Contractor Furnished Materiel (CFM).

4.7 EMBODIMENT FEES

- 4.7.1 On normal transfer or issue of items (spares) between AAS, CIS or GFOS accounts, any embodiment fees shall only be paid once and only upon actual embodiment. Supply accounting records for DND materiel shall be maintained separate from other company records.

4.8 SPARES REVIEW

4.8.1 In conjunction with the stocktaking schedule, the Contractor shall carry out a review of CIS to determine if holdings of any particular item:

- a. exceed the economic stock retention level. The level is normally equal to an estimated four(4) months stock;
- b. have become surplus to requirements as a result of a modification, disposal, obsolescent or transfer of the major equipment; and/or
- c. are no longer fit for use in the R&O of DND equipment.

4.8.2 In conjunction with the stocktaking schedule, the Contractor shall carry out a review of GFOS to determine if stock holdings include any item which:

- a. has become surplus to requirement as a result of removal of the end item from the SNAPS;
- b. has become redundant because of a modification, change notice, product improvement, etc...;
- c. is a catalogued item which should have been transferred to CIS.

4.8.3 The contractor shall dispose of and/or transfer spares which meet the criteria above and shall prepare and handle the necessary documentation associated with the disposal function in accordance with Chapter 7 of A-LM-184-001/JS-001.

4.9 LOSS OR DAMAGE TO DND MATERIEL

4.9.1 The Contractor shall report to the CFQAR all instances of loss or damage to DND owned materiel in his custody within two(2) working days of confirmation of its discovery.

4.9.2 The Contractor may be authorized to make repairs to DND-owned equipment on loan. All requests shall be forwarded to the Requisitioning Authority for approval. If the Contractor is authorized to repair damaged DND materiel, he

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shall notify the CFQAR before any repair commences to enable adequate quality assurance of the repair.

- 4.9.3 Loss or damage of materiel in transit shall be actioned in accordance with Chapter 8 of A-LM-184-001/JS-001.

4.10 SCRAP - CUSTODY and DISPOSAL

- 4.10.1 The Contractor shall safeguard, control, and dispose of the scrap materiel in accordance with Chapter 7 of A-LM-184-001/JS-001.

4.11 TRANSPORTATION

- 4.11.1 DND shall be responsible to action all transportation requirements that relate to R&O equipment.

4.12 CUSTOMS & EXCISE

- 4.12.1 DND is responsible for clearing Customs of all DND materiel consigned to R&O Contractors. If a Contractor sub-contracts to an out of country location, the Contractor is responsible for the preparation of all the necessary customs documentations. Customs Brokers shall not be utilized unless specifically authorized by the Requisitioning Authority.

4.13 SELECTION NOTICE OBSERVATION MESSAGE (SNOM)

- 4.13.1 Contractors wishing to make observation on information contained in the SNAPS, including MRC shall do so by submitting their observations using the SNOM in accordance with Chapter 2 of A-LM-184-001/JS-001.

5.0 REPORTS

5.1 MRP PROGRESS REPORTS

5.1.1 The Contractor shall submit one (1) copy of the monthly progress report covering Mobile Repair Party(MRP) activities in accordance with PWGSC Form 7139 to the Requisitioning Authority, and one(1) copy to the supporting CFQAR.

5.2 TECHNICAL INVESTIGATION REPORTS

5.2.1 Technical Investigations may only be authorized by the Requisitioning Authority. The Contractor shall complete a Technical Investigation Report (CF 1057), on an as required basis when so directed by the CFQAR.

5.3 ACCIDENT/INCIDENT REPORTS

5.3.1 Accident/Incident Reports The Contractor shall submit accident/incident reports in accordance with Para 12, Chapter 15 of CFTO A-GA-135-001/AA-001 through the supporting CFQAR.

5.4 R&O CONTRACTOR EFFECTIVENESS REPORT

5.4.1 R&O Contractor Effectiveness Report - The R&O Effectiveness Report is described in Chapter 2 of A-LM-184-001/JS-001. The Requisitioning Authority will monitor Contractor' Turn around Time using the R&O Effectiveness Report

6.0 MISCELLANEOUS

6.1 WARRANTY CONSIDERATION

6.1.1 Materiel which has been returned for warranty consideration will be actioned in accordance with Chapter 10 of A-LM-184-001/JS-001.

6.2 CONTRACTOR USE OF DND EQUIPMENT/PUBLICATIONS

6.2.1 The Contractor shall not use DND publications, tools, test-equipment, or jigs and fixtures for commercial work without the written consent of DND. In instances where DND has provided such consent, PWGSC will negotiate suitable compensation for DND. All requests shall be directed to the Requisitioning Authority through PWGSC.

LIST OF REPAIRABLE CLASS REPLENISHMENT EQUIPMENT BY
ACCOUNTABILITY CODE (EAC)

27-948-000	WATER PURIFICATION UNIT, SKID MOUNTED (REVERSE OSMOSIS DESALINATION) MK II (HFX and FSE CLASS SHIPS)
27-948-B00	CHLORINE INJECTION ASSEMBLY (TRL CLASS SHIPS)
27-C77-000	REVERSE OSMOSIS UNIT, SKID MOUNTED (S-ROD MK III) (HFX, TRL AND FSE CLASS SHIPS)
27-C50-000	RECIRCULATING BROMINATOR (RECIRCULATING BROMINATOR (HFX, PTR AND MCD CLASS SHIPS)
27-C51-000	DESALINATOR BROMINATOR (HFX AND MCD CLASS SHIPS)

ÉQUIPEMENT DE RECONSTITUTION DE CLASSE PAR LE NOMBRE DE
STOCK DE L'OTAN

27-948-000 Unité de purification d'eau, montée sur châssis (dessalement d'osmose inverse) MK II
 (NAVIRES DE CLASSE HFX ET FSE)

	NNO/NNP	item
2930	01-472-6530	POMPE,SYSTEME DE REFROIDISSEMENT,MO
3010	01-582-2346	DEMI-ACCOUPLEMENT D'ARBRE
3010	01-582-2351	DEMI-ACCOUPLEMENT D'ARBRE
3010	20-A0D-8961	*INSERT RUBBER
3010	00-294-7709	COURROIE,TRAPEZOIDALE
3010	00-529-0470	COURROIE,TRAPEZOIDALE
3010	01-381-6177	COURROIE,TRAPEZOIDALE
3010	01-381-6307	COURROIE,TRAPEZOIDALE
3010	00-144-8663	ROULEMENT A BILLES,ANNULAIRE
3010	00-156-5433	ROULEMENT A BILLES,ANNULAIRE
3010	00-158-8265	ROULEMENT A BILLES,ANNULAIRE
3010	00-198-2028	ROULEMENT A BILLES,ANNULAIRE
3010	00-293-9302	ROULEMENT A BILLES,ANNULAIRE
3010	00-727-5467	ROULEMENT A BILLES,ANNULAIRE
3010	01-222-6841	ROULEMENT A BILLES,ANNULAIRE
3010	01-258-4687	ROULEMENT A BILLES,ANNULAIRE
3010	01-307-2395	ROULEMENT A BILLES,ANNULAIRE
3010	01-357-2196	PLAQUETTE DE RETENUE,PALIER
3010	01-380-2696	ROULEMENT A BILLES,ANNULAIRE
3010	01-380-2802	ROULEMENT A BILLES,ANNULAIRE
3010	01-380-2879	CONE ET ROULEAUX,ROULEMENT A ROULEA
3010	01-386-6189	ROULEMENT A BILLES,ANNULAIRE
3010	01-386-8558	ROULEMENT A BILLES,ANNULAIRE
3010	20-A04-4439	PLAQUE/PLATEAU
3010	20-A0D-8780	DEMI-ACCOUPLEMENT D'ARBRE
3120	01-380-2754	BAGUE/DOUILLE
3120	01-380-2918	DEMI-COUSSINETS,JEU
4310	01-381-5564	CARTER,COMPRESSEUR D'AIR
4310	01-446-9695	CYLINDRE,COMPRESSEUR ALTERNATIF
4320	00-521-9779	CYLINDRE,POMPE
4320	01-362-1413	CHEMISE,ARBRE DE POMPE
4320	01-380-2784	POMPE,ALTERNATIVE
4320	01-380-4867	*PLUNGER CUP
4320	01-381-0285	POMPE,ALTERNATIVE
4320	01-381-0377	POMPE,ALTERNATIVE
4320	01-392-1224	RECHANGES,POMPE ALTERNATIVE
4320	01-392-1837	*RING,THROAT,SPECIAL
4320	01-415-8238	RECHANGES,POMPE A PISTON AXIAL
4320	01-434-3440	GROUPE MOTOPOMPE,ROTATIVE
4320	01-474-0198	CORPS,POMPE A LIQUIDE,ELEMENT
4320	01-474-0199	CHEMISE DE CYLINDRE ET PISTON,EQUIP

4320	<u>01-475-0998</u>	POMPE,ALTERNATIVE
4320	<u>01-481-2797</u>	RECHANGES,POMPE ALTERNATIVE
4320	<u>01-481-6905</u>	GARNITURE MECANIQUE,ARBRE,A RESSORT
4320	<u>01-581-4346</u>	LOT DE REPARATION,GROUPE DE POMPAGE
4320	<u>01-582-7340</u>	RECHANGES,POMPE ALTERNATIVE
4320	<u>20-A04-4440</u>	*INSERT,RUBBER
4320	<u>20-A0D-8777</u>	*INSERT,RUBBER
4320	<u>21-007-4235</u>	*PLUG,JET PRESSURE BREAKDOWN UNIT
4320	<u>21-904-1969</u>	CHEMISE,ARBRE DE POMPE
4320	<u>21-910-7103</u>	GARNITURE MECANIQUE,ARBRE,A RESSORT
4320	<u>21-910-7859</u>	*FLINGER,PUMP SHAFT
4320	<u>21-914-8511</u>	GROUPE MOTOPOMPE,CENTRIFUGE
4330	<u>01-380-2853</u>	ELEMENT FILTRANT,FLUIDE
4330	<u>01-541-3941</u>	ELEMENT FILTRANT,FLUIDE
4330	<u>20-A04-7608</u>	*FILTER CARTRIDGE
4330	<u>21-914-9593</u>	FILTRE,FLUIDE
4330	<u>99-131-9465</u>	ELEMENT FILTRANT,FLUIDE
4330	<u>99-814-2080</u>	ELEMENT FILTRANT,FLUIDE
4410	<u>20-001-0515</u>	ELEMENT CHAUFFANT,ELECTRIQUE,IMMERS
4410	<u>20-001-0556</u>	ELEMENT CHAUFFANT,ELECTRIQUE,IMMERS
4520	<u>01-472-8263</u>	ELEMENT CHAUFFANT,ELECTRIQUE,IMMERS
4520	<u>01-472-9465</u>	ELEMENT CHAUFFANT,ELECTRIQUE,IMMERS
4520	<u>21-259-2781</u>	ELEMENT CHAUFFANT,ELECTRIQUE,IMMERS
4610	<u>01-261-0700</u>	ELEMENT FILTRANT,OSMOSE INVERSE
4610	<u>01-379-1367</u>	MANDRIN
4610	<u>01-381-5428</u>	MANDRIN
4610	<u>01-466-1585</u>	ELEMENT FILTRANT,OSMOSE INVERSE
4610	<u>20-005-1916</u>	CORPS DE FILTRE,EPURATION DE L'EAU
4610	<u>20-005-2605</u>	CORPS DE FILTRE,EPURATION DE L'EAU
4610	<u>21-904-5434</u>	UNITE DE TRAITEMENT D'EAU,SUR PATIN
4610	<u>21-911-7955</u>	*SECOND STAGE PUMP UNIT ASSEMBLY
4610	<u>21-911-8036</u>	*PRESSURE BREAKDOWN ASSEMBLY
4620	<u>20-A02-6404</u>	*FLOW INDICATOR
4710	<u>20-003-7386</u>	'PIPE',MATIERE PLASTIQUE
4710	<u>20-006-9591</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>20-006-9594</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>20-006-9598</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>20-006-9599</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>20-006-9748</u>	TUBE EQUIPE,METALLIQUE
4710	<u>21-910-1665</u>	TUBE,NON METALLIQUE
4720	<u>00-447-0027</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-720-4162</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-720-4163</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-722-4722</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-722-4723</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-797-2488</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-833-1868</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>01-414-8310</u>	TUYAUTERIES NON METALLIQUES,FLEXIBL
4720	<u>21-912-9390</u>	TUBE,NON METALLIQUE
4730	<u>00-138-2654</u>	REDUCTEUR POUR 'PIPE'
4730	<u>00-188-7481</u>	ECROU,RACCORD UNION

4730	<u>00-188-7497</u>	ECROU,RACCORD UNION
4730	<u>00-200-0531</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUYAU
4730	<u>00-278-2523</u>	COLLIER,TUYAU
4730	<u>00-640-6330</u>	REDUCTEUR POUR 'PIPE'
4730	<u>00-691-5461</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUBE
4730	<u>00-855-4918</u>	RACCORD A COLLIERS,TUBE
4730	<u>00-908-3194</u>	COLLIER,TUYAU
4730	<u>00-909-8627</u>	COLLIER,TUYAU
4730	<u>00-947-0364</u>	RACCORD A COLLIERS,TUBE
4730	<u>00-982-4235</u>	TE POUR TUBE
4730	<u>01-060-1018</u>	BOUCHON,FILETE,POUR 'PIPE'
4730	<u>01-064-4179</u>	COLLIER,TUYAU
4730	<u>01-093-3929</u>	COUDE POUR 'PIPE'
4730	<u>01-118-9321</u>	MAMELON DOUBLE,POUR 'PIPE'
4730	<u>01-140-4725</u>	COUDE POUR 'PIPE'
4730	<u>01-143-4137</u>	RACCORD POUR 'PIPE'
4730	<u>01-224-2999</u>	COUDE,TUBE VERS BOSSAGE
4730	<u>01-231-2756</u>	TE POUR 'PIPE'
4730	<u>01-241-8784</u>	COUDE POUR 'PIPE'
4730	<u>01-244-3556</u>	MAMELON DOUBLE,POUR 'PIPE'
4730	<u>01-244-5065</u>	COLLIER,TUYAU
4730	<u>01-244-6017</u>	COUDE POUR 'PIPE'
4730	<u>01-268-2398</u>	MAMELON DOUBLE,POUR 'PIPE'
4730	<u>01-268-2402</u>	TE POUR 'PIPE'
4730	<u>01-271-2009</u>	MANCHON DE REDUCTION,TUBE
4730	<u>01-309-9978</u>	COUDE,'PIPE' VERS TUBE
4730	<u>01-334-9424</u>	ABOUT,MANCHON UNION
4730	<u>01-378-7010</u>	TE POUR 'PIPE'
4730	<u>01-380-2878</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUBE
4730	<u>01-381-0118</u>	BAGUE,RENFORT,EXTREMITE DE TUBE
4730	<u>01-381-0347</u>	ECROU,RACCORD DE TUBE
4730	<u>01-381-0348</u>	BAGUE,RENFORT,EXTREMITE DE TUBE
4730	<u>01-381-0382</u>	TE POUR TUBE
4730	<u>01-381-0453</u>	ECROU,RACCORD DE TUBE
4730	<u>01-382-0184</u>	COUDE,'PIPE' VERS TUBE
4730	<u>01-382-1604</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUYAU
4730	<u>01-382-1662</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUYAU
4730	<u>01-382-7922</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUYAU
4730	<u>01-392-7731</u>	MAMELON DOUBLE,POUR 'PIPE'
4730	<u>01-419-5470</u>	BUSE,DISTRIBUTION D'EAU
4730	<u>01-419-5555</u>	COUDE,'PIPE' VERS TUBE
4730	<u>01-419-5556</u>	COUDE,'PIPE' VERS TUBE
4730	<u>01-419-6632</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUBE
4730	<u>01-420-6928</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUBE
4730	<u>01-420-6931</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUBE
4730	<u>01-446-5413</u>	ABOUT,MANCHON UNION
4730	<u>01-459-6279</u>	ABOUT,MANCHON UNION
4730	<u>01-473-3106</u>	COLLIER,TUYAU
4730	<u>01-473-3107</u>	COLLIER,TUYAU
4730	<u>01-473-3108</u>	COLLIER,TUYAU
4730	<u>01-474-0203</u>	TAMIS DE CREPINE A SEDIMENT

4730	<u>01-474-0207</u>	TAMIS DE CREPINE A SEDIMENT
4730	<u>21-005-1641</u>	*ELBOW SOCKET 45DEG
4730	<u>21-259-2892</u>	COLLIER,TUYAU
4730	<u>21-896-4253</u>	COUDE POUR 'PIPE'
4730	<u>21-907-7241</u>	COLLIER,TUYAU
4730	<u>21-910-9676</u>	DIAPHRAGME,ECOULEMENT DE FLUIDE
4730	<u>21-912-1854</u>	RACCORD A COLLIERS,TUBE
4730	<u>21-912-1855</u>	RACCORD A COLLIERS,TUBE
4730	<u>21-912-2087</u>	RACCORD A COLLIERS,TUBE
4730	<u>21-912-2090</u>	RACCORD A COLLIERS,TUBE
4730	<u>21-914-3793</u>	BOUCHON DE RETENTION,PRESSION
4730	<u>21-914-3794</u>	ORIFICE DE SORTIE ÉQUIPÉ
4730	<u>21-914-3795</u>	*PLUG END FITTING
4730	<u>21-AAL-1248</u>	*REDUCING BUSHING
4810	<u>01-269-4696</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>01-300-5230</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>01-382-7805</u>	RECHANGES,VANNE,ELECTROMAGNETIQUE
4810	<u>01-382-7846</u>	RECHANGES,VANNE,ELECTROMAGNETIQUE
4810	<u>01-382-7962</u>	RECHANGES,VANNE,ELECTROMAGNETIQUE
4810	<u>01-387-5495</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>01-392-1311</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>01-392-8970</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>01-470-9421</u>	VANNES/SOUPAPES/CLAPETS/ROBINETS/ D
4810	<u>21-920-5069</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>21-920-5075</u>	RECHANGES,VANNE,ELECTROMAGNETIQUE
4810	<u>21-920-5089</u>	RECHANGES,VANNE,ELECTROMAGNETIQUE
4810	<u>21-920-5090</u>	VANNE,ELECTROMAGNETIQUE
4820	<u>00-274-3647</u>	ROBINET,A TOURNANT,DE PUISAGE
4820	<u>00-491-3141</u>	ROBINET,A SOUPAPE
4820	<u>01-007-5164</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-129-7666</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-152-0618</u>	CLAPET,DE NON RETOUR
4820	<u>01-160-1745</u>	ROBINET,A SOUPAPE
4820	<u>01-192-9557</u>	CLAPET,DE NON RETOUR
4820	<u>01-203-4150</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-214-1425</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-218-1864</u>	RECHANGES,ROBINET A TOURNANT SPHERI
4820	<u>01-218-7635</u>	RECHANGES,ROBINET A TOURNANT SPHERI
4820	<u>01-227-9170</u>	SOUPAPE,DE SURETE ET DE DECHARGE
4820	<u>01-231-9662</u>	CLAPET,DE NON RETOUR
4820	<u>01-244-5994</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-251-7616</u>	CLAPET,DE NON RETOUR
4820	<u>01-292-4561</u>	*GATE VALVE ASSEMBLY
4820	<u>01-307-0110</u>	CLAPET,DE NON RETOUR
4820	<u>01-329-5547</u>	CLAPET,DE NON RETOUR
4820	<u>01-351-9895</u>	SOUPAPE,DE SURETE ET DE DECHARGE
4820	<u>01-369-4185</u>	BILLE,VALVE
4820	<u>01-378-6904</u>	DISQUE ET SIEGE,ROBINET,LOT
4820	<u>01-378-6998</u>	SOUPAPE,REGULATRICE,PRESSION DE FLU
4820	<u>01-380-2182</u>	ROBINET,D'ANGLE
4820	<u>01-380-2942</u>	TIGE DE COMMANDE,VANNE/ROBINET/CLAP

4820	<u>01-384-2795</u>	RECHANGES,SOUPAPE REGULATRICE DE PR
4820	<u>01-386-6160</u>	SOUPAPE,REGULATRICE,PRESSION DE FLU
4820	<u>01-386-7345</u>	SIEGE,ROBINET/VANNE/SOUPAPE/CLAPET/
4820	<u>01-392-1245</u>	SOUPAPE,DE SURETE ET DE DECHARGE
4820	<u>01-392-5456</u>	DISQUE ET SIEGE,ROBINET,LOT
4820	<u>01-393-3241</u>	RECHANGES,ROBINET A TOURNANT SPHERI
4820	<u>01-396-2709</u>	TIGE DE COMMANDE,VANNE/ROBINET/CLAP
4820	<u>01-415-8239</u>	VANNES/SOUPAPES/CLAPETS/ROBINETS/ D
4820	<u>01-426-6768</u>	SOUPAPE,REGULATRICE,PRESSION DE FLU
4820	<u>01-435-7396</u>	RECHANGES,SOUPAPE REGULATRICE DE PR
4820	<u>01-437-1329</u>	SOUPAPE,DE SURETE ET DE DECHARGE
4820	<u>01-446-9758</u>	RECHANGES,DIAPHRAGME
4820	<u>01-446-9760</u>	RECHANGES,SOUPAPE REGULATRICE DE PR
4820	<u>01-454-6202</u>	ROBINET,VANNE
4820	<u>01-463-2199</u>	RECHANGES,ROBINET A TOURNANT SPHERI
4820	<u>01-471-6588</u>	SOUPAPE,DE SURETE ET DE DECHARGE
4820	<u>01-471-6589</u>	SOUPAPE,DE SURETE ET DE DECHARGE
4820	<u>01-472-7998</u>	RECHANGES,ROBINET A SOUPAPE
4820	<u>01-472-7999</u>	RECHANGES,ROBINET A SOUPAPE
4820	<u>01-472-8676</u>	CLAPET,DE NON RETOUR
4820	<u>01-472-9046</u>	ROBINET,A SOUPAPE
4820	<u>01-473-2173</u>	CLAPET,DE NON RETOUR
4820	<u>01-474-0849</u>	VANNES/SOUPAPES/CLAPETS/ROBINETS/ D
4820	<u>01-523-5730</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-523-5731</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-523-5732</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-524-2356</u>	ROBINET,MONTAGE INSTANTANE
4820	<u>20-A0D-1961</u>	CLAPET,DE NON RETOUR
4820	<u>21-259-2714</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>21-259-2715</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>21-259-2716</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>21-259-2719</u>	RECHANGES,ROBINET A TOURNANT SPHERI
4820	<u>21-259-2720</u>	RECHANGES,ROBINET A TOURNANT SPHERI
4820	<u>21-259-2721</u>	RECHANGES,ROBINET A TOURNANT SPHERI
4820	<u>21-867-2669</u>	ROBINET,A SOUPAPE
4820	<u>21-909-4786</u>	ROBINET,VANNE
4820	<u>21-909-4797</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>21-909-4811</u>	SOUPAPE,DE SURETE ET DE DECHARGE
4820	<u>21-909-4814</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>21-912-4070</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>21-920-5138</u>	VANNES/SOUPAPES/CLAPETS/ROBINETS/ D
4820	<u>21-920-5141</u>	VANNES/SOUPAPES/CLAPETS/ROBINETS/ D
5220	<u>20-A02-7054</u>	THERMOMETRE
5220	<u>20-A02-7063</u>	*GUAGE
5220	<u>20-A02-7065</u>	INDICATEUR
5220	<u>20-A02-7066</u>	*PRESSURE GUAGE
5305	<u>00-021-3668</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-021-3740</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-021-3806</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-050-9225</u>	SCREW,MACHINE
5305	<u>00-059-3661</u>	SCREW,MACHINE

5305	<u>00-103-2072</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-207-2297</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-207-8253</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-411-0682</u>	SCREW,MACHINE
5305	<u>00-576-5417</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-576-7188</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-616-6375</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-638-9837</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-702-4523</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-717-5467</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-719-3997</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-721-5322</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-727-6804</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-902-9354</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-923-8268</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-925-7853</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-941-3580</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-943-5929</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-948-0667</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-948-0669</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>00-948-0677</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>01-474-6913</u>	SCREW,MACHINE
5305	<u>21-904-4669</u>	VIS,TETE CREUSE
5305	<u>21-909-0720</u>	SCREW,MACHINE
5305	<u>21-909-0750</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-910-7336</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-910-7491</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-910-7493</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-910-7494</u>	SCREW,CAP,HEXAGON HEAD
5306	<u>00-274-0905</u>	BOLT,MACHINE
5306	<u>00-543-4405</u>	BOLT,MACHINE
5306	<u>00-637-9674</u>	BOLT,MACHINE
5306	<u>00-720-8260</u>	BOLT,MACHINE
5306	<u>00-816-5272</u>	BOLT,MACHINE
5307	<u>01-101-1282</u>	GOUJON,IMPLANTE A FORCE
5307	<u>21-911-2627</u>	GOUJON,ENTIEREMENT FILETE
5310	<u>00-208-9255</u>	ECROU,HEXAGONAL,AUTOFREINE
5310	<u>00-262-6355</u>	ECROU,HEXAGONAL,AUTOFREINE
5310	<u>00-528-5892</u>	RONDELLE,ELASTIQUE
5310	<u>00-562-7210</u>	RONDELLE,PISTON
5310	<u>00-582-5677</u>	RONDELLE,PLATE
5310	<u>00-584-7799</u>	RONDELLE,PLATE
5310	<u>00-584-7888</u>	RONDELLE,DE BLOCAGE
5310	<u>00-595-6057</u>	RONDELLE,PLATE
5310	<u>00-614-3505</u>	RONDELLE,PLATE
5310	<u>00-619-1148</u>	RONDELLE,PLATE
5310	<u>00-655-9969</u>	RONDELLE,ELASTIQUE
5310	<u>00-656-0114</u>	RONDELLE,PLATE
5310	<u>00-720-8819</u>	RONDELLE,PLATE
5310	<u>00-734-1704</u>	ECROU,HEXAGONAL
5310	<u>00-764-6609</u>	ECROU,HEXAGONAL

5310	00-764-6610	ECROU, HEXAGONAL
5310	00-767-0445	ECROU, HEXAGONAL
5310	00-768-0321	ECROU, HEXAGONAL
5310	00-802-4701	RONDELLE, PLATE
5310	00-903-5966	ECROU, HEXAGONAL
5310	00-913-8881	ECROU, HEXAGONAL
5310	00-924-5897	ECROU, HEXAGONAL
5310	00-926-5870	RONDELLE, DE BLOCAGE
5310	00-926-5871	RONDELLE, DE BLOCAGE
5310	00-926-5874	RONDELLE, DE BLOCAGE
5310	00-929-6395	RONDELLE, DE BLOCAGE
5310	00-933-8120	RONDELLE, DE BLOCAGE
5310	00-933-8121	RONDELLE, DE BLOCAGE
5310	00-933-8778	RONDELLE, DE BLOCAGE
5310	00-934-9760	ECROU, HEXAGONAL
5310	00-934-9761	ECROU, HEXAGONAL
5310	00-934-9765	ECROU, HEXAGONAL
5310	00-937-0453	RONDELLE, DE BLOCAGE
5310	00-937-0454	RONDELLE, DE BLOCAGE
5310	00-974-6623	RONDELLE, DE BLOCAGE
5310	00-984-7042	RONDELLE, DE BLOCAGE
5310	01-086-1123	RONDELLE, DE BLOCAGE
5310	01-130-9065	RONDELLE, DE BLOCAGE
5310	01-285-5624	RONDELLE, DE BLOCAGE
5310	01-285-5646	ECROU DE BLOCAGE, MONTAGE RAPIDE
5310	01-286-0188	RONDELLE, DE BLOCAGE
5310	01-369-8278	RONDELLE, OBLIQUE
5310	21-898-4602	RONDELLE, OBLIQUE
5310	21-898-4818	RONDELLE, PLATE
5310	21-908-5423	ECROU, HEXAGONAL
5310	21-908-5424	ECROU, HEXAGONAL
5310	21-913-0316	RONDELLE, PLATE
5325	01-380-2993	ANNEAU D'ARRET
5330	00-141-2432	JOINT
5330	00-403-7739	GARNITURE PREFORMEE
5330	00-467-0480	JOINT
5330	00-582-1538	GRAIN DE GARNITURE
5330	00-641-2843	JOINT
5330	01-021-3667	JOINT
5330	01-120-3839	GARNITURE PREFORMEE
5330	01-161-2485	JOINT
5330	01-221-0678	GARNITURE PREFORMEE
5330	01-354-5088	RECHANGES, DISPOSITIF D'ETANCHEITE, E
5330	01-380-1916	GARNITURE PREFORMEE
5330	01-380-1977	GARNITURE PREFORMEE
5330	01-380-2706	JOINT
5330	01-380-2745	GRAIN DE GARNITURE
5330	01-381-0078	GARNITURE AVEC GRAIN
5330	01-381-0152	GARNITURE ASSEMBLEE
5330	01-381-0179	GARNITURE PREFORMEE
5330	01-381-0228	BAGUE D'ETANCHEITE

5330	<u>01-381-0286</u>	GARNITURE PREFORMEE
5330	<u>01-381-0556</u>	BAGUE D'ETANCHEITE,A BOITIER
5330	<u>01-381-4560</u>	GARNITURE PREFORMEE
5330	<u>01-381-6279</u>	GRAIN DE GARNITURE
5330	<u>01-381-6284</u>	GRAIN DE GARNITURE
5330	<u>01-381-6326</u>	GRAIN DE GARNITURE
5330	<u>01-386-6125</u>	GARNITURE PREFORMEE
5330	<u>01-386-6287</u>	GARNITURE PREFORMEE
5330	<u>01-393-3981</u>	GARNITURE PREFORMEE
5330	<u>01-393-3982</u>	GARNITURE PREFORMEE
5330	<u>01-393-3986</u>	GARNITURE PREFORMEE
5330	<u>01-417-7287</u>	GARNITURE ASSEMBLEE
5330	<u>01-445-1200</u>	GARNITURE ASSEMBLEE
5330	<u>01-446-4985</u>	GRAIN DE GARNITURE
5330	<u>01-474-0874</u>	GARNITURES PREFORMEES,ASSORTIMENT
5330	<u>01-582-6161</u>	RECHANGES,DISPOSITIF D'ETANCHEITE,E
5330	<u>20-A04-4438</u>	JOINT
5330	<u>21-007-6454</u>	JOINT
5330	<u>21-007-6456</u>	JOINT
5330	<u>21-899-5239</u>	JOINT
5330	<u>21-905-9482</u>	MATIERE,GARNITURE
5330	<u>21-905-9483</u>	JOINT
5331	<u>00-166-8405</u>	JOINT TORIQUE
5331	<u>00-542-1457</u>	JOINT TORIQUE
5331	<u>00-725-0758</u>	JOINT TORIQUE
5331	<u>00-808-0087</u>	JOINT TORIQUE
5331	<u>00-893-5685</u>	JOINT TORIQUE
5331	<u>01-141-7949</u>	JOINT TORIQUE
5331	<u>01-260-5900</u>	JOINT TORIQUE
5331	<u>01-266-2971</u>	JOINT TORIQUE
5331	<u>01-274-8076</u>	JOINT TORIQUE
5331	<u>01-379-0050</u>	JOINT TORIQUE
5331	<u>01-392-5450</u>	JOINT TORIQUE
5331	<u>01-392-5455</u>	JOINT TORIQUE
5331	<u>01-433-6127</u>	JOINT TORIQUE
5331	<u>01-472-2889</u>	JOINTS TORIQUES,ASSORTIMENT
5331	<u>01-474-0206</u>	JOINT TORIQUE
5331	<u>21-905-9439</u>	JOINT TORIQUE
5331	<u>21-909-1941</u>	JOINT TORIQUE
5340	<u>01-381-0077</u>	CAGE DE RETENUE,RESSORT DE COMPRESS
5340	<u>01-472-6579</u>	QUINCAILLERIE,EQUIPEMENT MECANIQUE
5340	<u>21-311-8608</u>	PONTET DE FIXATION
5340	<u>21-852-5698</u>	SUPPORT ELASTIQUE,USAGE GENERAL
5342	<u>00-543-3575</u>	SUPPORT ELASTIQUE,SYSTEME D'ARME
5342	<u>00-598-8825</u>	SUPPORT ELASTIQUE,SYSTEME D'ARME
5342	<u>00-664-4473</u>	SUPPORT ELASTIQUE,SYSTEME D'ARME
5342	<u>01-158-5325</u>	SUPPORT ELASTIQUE,SYSTEME D'ARME
5342	<u>01-393-8070</u>	RACCORD A COLIER,A GORGE
5355	<u>01-063-5011</u>	BOUTON DE COMMANDE
5355	<u>01-111-9493</u>	INDEX DE CADRAN
5360	<u>00-005-0789</u>	RESSORT,HELICOIDAL,COMPRESSION

5360	<u>00-547-1127</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>00-690-5474</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>00-817-6295</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>00-817-6296</u>	RESSORT,HELICOIDAL,TRACTION
5360	<u>00-839-4368</u>	RESSORT,HELICOIDAL,TRACTION
5360	<u>00-894-4489</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-342-0517</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-343-7519</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-369-0726</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-379-1013</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-380-2096</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-380-2668</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-380-2912</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-380-2967</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-393-3222</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-393-3230</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>21-903-0684</u>	RESSORT HÉLICOÏDAL
5365	<u>01-126-3532</u>	MANCHON,ENTRETOISE
5365	<u>01-380-2913</u>	CALE
5365	<u>01-380-4868</u>	*PLATE RETAINER SET
5365	<u>01-381-1186</u>	*PORT RETAINER SET
5365	<u>01-384-3824</u>	MANCHON,ENTRETOISE
5430	<u>01-380-2872</u>	RESERVOIR RIGIDE,STOCKAGE DE LIQUID
5430	<u>21-910-0858</u>	RESERVOIR RIGIDE,STOCKAGE DE LIQUID
5610	<u>01-380-3003</u>	GRAVIER,FILTRE A EAU
5610	<u>01-380-3005</u>	GRAVIER,FILTRE A EAU
5905	<u>01-422-9484</u>	RESISTANCE,FACTICE
5920	<u>00-280-3537</u>	FUSIBLE,CARTOUCHE
5920	<u>00-504-8634</u>	FUSIBLE,CARTOUCHE
5920	<u>00-646-4636</u>	FUSIBLE,CARTOUCHE
5920	<u>00-841-2337</u>	FUSIBLE,CARTOUCHE
5920	<u>01-322-6986</u>	FUSIBLE,CARTOUCHE
5920	<u>21-309-0764</u>	FUSIBLE,CARTOUCHE
5930	<u>00-071-2021</u>	CONTACTEUR,THERMOSTATIQUE
5930	<u>00-446-4826</u>	INTERRUPTEUR,A POUSSOIR
5930	<u>00-577-8577</u>	CONTACTEUR,MANOMETRIQUE
5930	<u>00-591-7301</u>	
5930	<u>00-615-8868</u>	CONTACTEUR,MANOMETRIQUE
5930	<u>00-916-3936</u>	INTERRUPTEUR,A POUSSOIR
5930	<u>00-962-5599</u>	INTERRUPTEUR,A POUSSOIR
5930	<u>01-114-3065</u>	INTERRUPTEUR/CONTACTEUR/COMMUTATEUR
5930	<u>01-212-7141</u>	
5930	<u>01-225-9335</u>	INTERRUPTEUR,A BASCULE
5930	<u>01-307-9728</u>	CONTACTEUR,THERMOSTATIQUE
5930	<u>01-344-3936</u>	INTERRUPTEUR,A BASCULE
5930	<u>01-471-0407</u>	CONTACTEUR,MANOMETRIQUE
5930	<u>01-471-0408</u>	CONTACTEUR,MANOMETRIQUE
5930	<u>01-473-2174</u>	CONTACTEUR,DEBIT
5930	<u>01-588-3417</u>	CONTACTEUR,MANOMETRIQUE
5930	<u>01-600-4324</u>	CONTACTEUR,NIVEAU DE LIQUIDE
5930	<u>20-A03-1655</u>	COMMUTATEUR/INTERRUPTEUR

5935	<u>00-593-9415</u>	CONNECTEUR ELECTRIQUE,EMBASE
5935	<u>01-011-7669</u>	CONNECTEUR ELECTRIQUE,EMBASE
5935	<u>01-048-0568</u>	CONNECTEUR ELECTRIQUE,EMBASE
5935	<u>01-061-9731</u>	CONNECTEUR ELECTRIQUE,EMBASE
5935	<u>00-983-6069</u>	PLAQUE A BORNES DE CONNEXIONS
5940	<u>01-379-3793</u>	PLAQUE A BORNES DE CONNEXIONS
5945	<u>00-412-9652</u>	RELAIS,ELECTROMECHANIQUE
5945	<u>00-666-0964</u>	RELAIS,THERMIQUE
5945	<u>00-837-5279</u>	RELAIS,THERMIQUE
5945	<u>00-840-7844</u>	RELAIS,ROTATIF
5945	<u>01-093-4259</u>	RELAIS,ELECTROMECHANIQUE
5945	<u>01-141-5423</u>	RELAIS,ELECTROMECHANIQUE
5945	<u>01-146-6588</u>	RELAIS,ELECTROMECHANIQUE
5945	<u>01-190-7323</u>	RELAIS,ELECTROMECHANIQUE
5945	<u>01-203-6606</u>	RELAIS,ELECTROMECHANIQUE
5945	<u>01-213-8358</u>	RELAIS,ELECTROMECHANIQUE
5945	<u>01-270-4063</u>	ARMATURE,RELAIS
5950	<u>00-086-8858</u>	BOBINE,D'INDUCTANCE
5950	<u>00-261-7957</u>	BOBINE,D'INDUCTANCE
5950	<u>00-773-2786</u>	BOBINE,D'INDUCTANCE
5950	<u>01-392-1325</u>	TRANSFORMATEUR,ALIMENTATION
5950	<u>01-448-8876</u>	BOBINE,D'INDUCTANCE
5961	<u>01-201-3730</u>	SEMI-CONDUCTEUR,DIODE
5975	<u>00-284-6978</u>	RACCORD D'EXTREMITE,CONDUIT ELECTRI
5975	<u>00-825-4462</u>	RACCORD D'EXTREMITE,CONDUIT ELECTRI
5975	<u>01-167-3575</u>	RACCORD D'EXTREMITE,CONDUIT ELECTRI
5975	<u>21-AAR-6075</u>	*FITTING COND. 90DEG
5998	<u>01-201-6421</u>	CARTE IMPRIMEE,EQUIPEE
5998	<u>01-231-0165</u>	PLAQUE,CIRCUIT IMPRIME
5999	<u>00-153-6685</u>	CONTACTS ELECTRIQUES,ASSEMBLES
5999	<u>00-262-0828</u>	CONTACTS ELECTRIQUES,ASSEMBLES
5999	<u>00-504-9433</u>	RESISTANCE CHAUFFANTE,DECLENCHEUR T
5999	<u>00-504-9771</u>	RESISTANCE CHAUFFANTE,DECLENCHEUR T
5999	<u>00-504-9776</u>	RESISTANCE CHAUFFANTE,DECLENCHEUR T
5999	<u>00-504-9892</u>	RESISTANCE CHAUFFANTE,DECLENCHEUR T
5999	<u>00-538-7278</u>	RESISTANCE CHAUFFANTE,DECLENCHEUR T
5999	<u>00-773-2778</u>	CONTACT ELECTRIQUE
5999	<u>00-773-2781</u>	CONTACT ELECTRIQUE
5999	<u>00-773-2783</u>	CONTACT ELECTRIQUE
5999	<u>00-773-2784</u>	CONTACT ELECTRIQUE
5999	<u>00-793-9799</u>	CONTACT ELECTRIQUE
5999	<u>00-816-6439</u>	CONTACTS ELECTRIQUES,ASSEMBLES
5999	<u>00-817-7864</u>	CONTACT ELECTRIQUE
5999	<u>00-839-6477</u>	CONTACT ELECTRIQUE
5999	<u>00-839-6478</u>	CONTACT ELECTRIQUE
5999	<u>00-877-0260</u>	CONTACT ELECTRIQUE
5999	<u>01-015-3638</u>	CONTACT ELECTRIQUE
5999	<u>01-130-3656</u>	PINCE,ELECTRIQUE
6105	<u>01-440-8401</u>	MOTEUR,A COURANT ALTERNATIF
6105	<u>01-440-8402</u>	MOTEUR,A COURANT ALTERNATIF
6105	<u>21-910-4385</u>	MOTEUR,A COURANT ALTERNATIF

6110	<u>01-255-0051</u>	TABLEAU,INDICATEUR
6210	<u>00-152-2808</u>	VOYANT LUMINEUX,DE SIGNALISATION
6210	<u>00-234-2867</u>	VOYANT LUMINEUX,DE SIGNALISATION
6210	<u>00-313-9218</u>	CABOCHON/GLACE,APPAREIL LUMINEUX
6210	<u>00-752-2148</u>	CABOCHON/GLACE,APPAREIL LUMINEUX
6210	<u>01-063-2078</u>	VOYANT LUMINEUX,DE SIGNALISATION
6240	<u>00-194-5994</u>	LAMPE A INCANDESCENCE
6240	<u>00-270-4697</u>	LAMPE A INCANDESCENCE
6240	<u>00-617-1719</u>	LAMPE A INCANDESCENCE
6350	<u>01-146-6952</u>	RONFLEUR
6350	<u>01-235-1599</u>	*ALARM,INDICATOR,OIL
6625	<u>00-802-8361</u>	RESISTANCE ETALON
6630	<u>01-286-0173</u>	SALINOMETRE,ELECTRIQUE
6630	<u>01-381-0523</u>	CELLULE,DETECTEUR DE SALINITE
6630	<u>21-904-7326</u>	*SENSOR,SALINITY
6630	<u>21-904-7327</u>	*CHANNEL MODULE ASSEMBLY
6645	<u>00-831-6826</u>	COMPTEUR,HORAIRE,TOTALISATEUR
6680	<u>00-061-8039</u>	DEBITMETRE
6680	<u>01-172-6606</u>	FLOTTEUR A TIGE,DEBITMETRE
6680	<u>01-244-0770</u>	*SENSOR,SALINITY
6680	<u>01-249-8437</u>	DEBITMETRE
6680	<u>01-378-7296</u>	INDICATEUR,VOLUME LIQUIDE
6680	<u>01-380-2741</u>	TUBE DEBITMETRIQUE
6680	<u>01-380-2837</u>	FLOTTEUR,DEBITMETRE
6680	<u>01-383-4754</u>	DEBITMETRE,A PRESSION DIFFERENTIELL
6680	<u>01-384-2752</u>	DEBITMETRE
6680	<u>01-392-1225</u>	COMPTEUR/TOTALISATEUR,ELECTRIQUE
6680	<u>01-392-1226</u>	COMPTEUR/TOTALISATEUR,ELECTRIQUE
6680	<u>01-407-9437</u>	DEBITMETRE
6680	<u>01-471-1260</u>	INDICATEUR,DEBIT D'ECOULEMENT
6680	<u>01-523-6026</u>	INDICATEUR,DEBIT D'ECOULEMENT
6680	<u>01-524-8967</u>	INDICATEUR,NIVEAU VISIBLE
6680	<u>21-853-0855</u>	TUBE DEBITMETRIQUE
6685	<u>01-106-7436</u>	COUVERCLE,PLASTIQUE
6685	<u>01-376-8047</u>	MANOMETRE,A CADRAN
6685	<u>01-376-8048</u>	MANOMETRE,A CADRAN
6685	<u>01-379-0479</u>	MANOMETRE,A CADRAN
6685	<u>01-380-8643</u>	MANOMETRE,A CADRAN
6685	<u>01-384-7611</u>	AMORTISSEUR DE PULSATIONS DE FLUIDE
6685	<u>01-388-5718</u>	TRANSMETTEUR,TEMPERATURE,RESISTANCE
6685	<u>01-392-1236</u>	AMORTISSEUR DE PULSATIONS DE FLUIDE
6685	<u>01-406-7128</u>	MANOMETRE,A CADRAN
6685	<u>01-406-7130</u>	MANOMETRE,A CADRAN
6685	<u>01-470-8003</u>	MANOMETRE,A CADRAN
6685	<u>01-470-8004</u>	MANOMETRE,A CADRAN
6685	<u>01-472-7920</u>	MANOMETRE DIFFERENTIEL,A CADRAN
6685	<u>01-472-9424</u>	THERMOMETRE INDICATEUR,BIMETALLIQUE
6685	<u>01-523-6024</u>	MANOMETRE,A CADRAN
6685	<u>01-523-6027</u>	MANOMETRE,A CADRAN
6685	<u>01-592-1594</u>	MANOMETRE,A CADRAN
6685	<u>20-A03-1654</u>	JAUGE

6685	<u>21-879-9854</u>	THERMOMETRE INDICATEUR,BIMETALLIQUE
6685	<u>21-911-5556</u>	MANOMETRE DIFFERENTIEL,A CADRAN
6695	<u>01-335-7839</u>	COLLERETTE,MONTAGE D'INSTRUMENT
6695	<u>01-361-9731</u>	ETALONS DE PREMIERE REFERENCE,POSTE
6810	<u>12-326-5007</u>	SODIUM METABISULFITE,POUR ANALYSE
6810	<u>21-798-8698</u>	SODIUM CHLORURE,TECHNIQUE
6850	<u>21-904-7432</u>	*CLEANER,REVERSE OSMOSIS
6850	<u>21-904-7433</u>	*CLEANER,REVERSE OSMOSIS
7045	<u>01-181-4596</u>	*REEL,TAKE UP
7510	<u>01-186-3987</u>	RUBAN,ENCREUR/IMPRIMANT
9320	<u>01-472-9050</u>	CAOUTCHOUC,FEUILLE
9320	<u>01-472-9051</u>	CAOUTCHOUC,FEUILLE
9620	<u>21-908-5399</u>	SILICE PULVERISEE

27-C77-000 **Unité d'osmose inverse, montée sur châssis (S-ROD MK III) (NAVIRES DE CLASSES HFX, TRL ET FSE)**

CSN	NNO	ITEM
3010	<u>01-582-2346</u>	DEMI-ACCOUPLEMENT D'ARBRE
3010	<u>01-582-2351</u>	DEMI-ACCOUPLEMENT D'ARBRE
3010	<u>20-A0D-8961</u>	*INSERT RUBBER
3110	<u>00-156-5433</u>	ROULEMENT A BILLES,ANNULAIRE
3110	<u>00-198-2028</u>	ROULEMENT A BILLES,ANNULAIRE
3110	<u>00-293-9302</u>	ROULEMENT A BILLES,ANNULAIRE
3110	<u>00-554-5719</u>	ROULEMENT A BILLES,ANNULAIRE
3110	<u>00-555-5207</u>	ROULEMENT A BILLES,ANNULAIRE
3110	<u>01-307-2395</u>	ROULEMENT A BILLES,ANNULAIRE
3110	<u>20-A04-4439</u>	PLAQUE/PLATEAU
3110	<u>20-A0D-8780</u>	DEMI-ACCOUPLEMENT D'ARBRE
4320	<u>01-474-0198</u>	CORPS,POMPE A LIQUIDE,ELEMENT
4320	<u>01-474-0199</u>	CHEMISE DE CYLINDRE ET PISTON,EQUIP
4320	<u>01-475-0998</u>	POMPE,ALTERNATIVE
4320	<u>01-531-4084</u>	POMPE,A PISTONS RADIAUX
4320	<u>01-581-9716</u>	RECHANGES,POMPE ALTERNATIVE
4320	<u>01-582-7340</u>	RECHANGES,POMPE ALTERNATIVE
4320	<u>20-A04-4440</u>	*INSERT,RUBBER
4320	<u>20-A0D-8777</u>	*INSERT,RUBBER
4320	<u>21-914-8511</u>	GROUPE MOTOPOMPE,CENTRIFUGE
4320	<u>22-613-4288</u>	POMPE,A PISTONS AXIAUX
4320	<u>22-615-1994</u>	POMPE,A PISTONS AXIAUX
4330	<u>01-541-3941</u>	ELEMENT FILTRANT,FLUIDE
4330	<u>99-131-9465</u>	ELEMENT FILTRANT,FLUIDE
4520	<u>01-472-8263</u>	ELEMENT CHAUFFANT,ELECTRIQUE,IMMERS
4610	<u>01-261-0700</u>	ELEMENT FILTRANT,OSMOSE INVERSE
4610	<u>01-466-1585</u>	ELEMENT FILTRANT,OSMOSE INVERSE
4610	<u>20-005-2605</u>	CORPS DE FILTRE,EPURATION DE L'EAU
4620	<u>20-A02-5147</u>	LOGEMENT
4710	<u>20-006-9591</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>20-006-9594</u>	'PIPE' EQUIPE,METALLIQUE

4710	<u>20-006-9598</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>20-006-9599</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>20-006-9742</u>	TUBE EQUIPE,METALLIQUE
4710	<u>20-006-9748</u>	TUBE EQUIPE,METALLIQUE
4720	<u>00-720-4162</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-720-4163</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-722-4722</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-722-4723</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-797-2488</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4720	<u>00-833-1868</u>	TUYAU,NON METALLIQUE,FLEXIBLE
4730	<u>00-188-7481</u>	ECROU,RACCORD UNION
4730	<u>00-188-7497</u>	ECROU,RACCORD UNION
4730	<u>00-691-5461</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUBE
4730	<u>01-093-3929</u>	COUDE POUR 'PIPE'
4730	<u>01-140-4725</u>	COUDE POUR 'PIPE'
4730	<u>01-244-3556</u>	MAMELON DOUBLE,POUR 'PIPE'
4730	<u>01-244-5065</u>	COLLIER,TUYAU
4730	<u>01-244-6017</u>	COUDE POUR 'PIPE'
4730	<u>01-382-1604</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUYAU
4730	<u>01-382-1662</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUYAU
4730	<u>01-382-7922</u>	ADAPTATEUR,DROIT,'PIPE' VERS TUYAU
4730	<u>01-446-5413</u>	ABOUT,MANCHON UNION
4730	<u>01-459-6279</u>	ABOUT,MANCHON UNION
4730	<u>01-474-0203</u>	TAMIS DE CREPINE A SEDIMENT
4730	<u>01-474-0207</u>	TAMIS DE CREPINE A SEDIMENT
4730	<u>20-A03-6691</u>	DOUILLE
4730	<u>21-896-4253</u>	COUDE POUR 'PIPE'
4730	<u>21-907-7241</u>	COLLIER,TUYAU
4730	<u>21-912-1854</u>	RACCORD A COLLIERS,TUBE
4730	<u>21-912-1855</u>	RACCORD A COLLIERS,TUBE
4730	<u>21-912-2087</u>	RACCORD A COLLIERS,TUBE
4730	<u>21-912-2090</u>	RACCORD A COLLIERS,TUBE
4730	<u>21-914-3795</u>	*PLUG END FITTING
4730	<u>21-AAR-2657</u>	*NIPPLE 4730
4810	<u>01-300-5230</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>01-382-7805</u>	RECHANGES,VANNE,ELECTROMAGNETIQUE
4810	<u>01-382-7846</u>	RECHANGES,VANNE,ELECTROMAGNETIQUE
4810	<u>01-387-5495</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>01-392-1311</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>01-392-8970</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>01-470-9421</u>	VANNES/SOUPAPES/CLAPETS/ROBINETS/ D
4810	<u>21-920-5069</u>	VANNE,ELECTROMAGNETIQUE
4810	<u>21-920-5075</u>	RECHANGES,VANNE,ELECTROMAGNETIQUE
4810	<u>21-920-5089</u>	RECHANGES,VANNE,ELECTROMAGNETIQUE
4810	<u>21-920-5090</u>	VANNE,ELECTROMAGNETIQUE
4820	<u>01-152-0618</u>	CLAPET,DE NON RETOUR
4820	<u>01-160-1745</u>	ROBINET,A SOUPAPE
4820	<u>01-192-9557</u>	CLAPET,DE NON RETOUR
4820	<u>01-203-4150</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-214-1425</u>	ROBINET,A TOURNANT SPHERIQUE
4820	<u>01-244-5994</u>	ROBINET,A TOURNANT SPHERIQUE

4820	<u>01-292-4561</u>	*GATE VALVE ASSEMBLY
4820	<u>01-351-9895</u>	SOUPAPE,DE SURETE ET DE DECHARGE
4820	<u>01-369-4185</u>	BILLE,VALVE
4820	<u>01-386-6160</u>	SOUPAPE,REGULATRICE,PRESSION DE FLU
4820	<u>01-426-6768</u>	SOUPAPE,REGULATRICE,PRESSION DE FLU
4820	<u>01-435-7396</u>	RECHANGES,SOUPAPE REGULATRICE DE PR
4820	<u>01-446-9758</u>	RECHANGES,DIAPHRAGME
4820	<u>01-454-6202</u>	ROBINET,VANNE
4820	<u>01-472-7998</u>	RECHANGES,ROBINET A SOUPAPE
4820	<u>01-472-7999</u>	RECHANGES,ROBINET A SOUPAPE
4820	<u>01-472-8676</u>	CLAPET,DE NON RETOUR
4820	<u>01-472-9046</u>	ROBINET,A SOUPAPE
4820	<u>01-473-2173</u>	CLAPET,DE NON RETOUR
4820	<u>01-474-0849</u>	VANNES/SOUPAPES/CLAPETS/ROBINETS/ D
4820	<u>01-524-4952</u>	VANNES/SOUPAPES/CLAPETS/ROBINETS/ D
4820	<u>01-526-8824</u>	DISQUE,ROBINET/VANNE
4820	<u>20-A0D-1961</u>	CLAPET,DE NON RETOUR
4820	<u>21-259-2719</u>	RECHANGES,ROBINET A TOURNANT SPHERI
4820	<u>21-259-2720</u>	RECHANGES,ROBINET A TOURNANT SPHERI
4820	<u>21-259-2721</u>	RECHANGES,ROBINET A TOURNANT SPHERI
5305	<u>00-702-4523</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>20-001-1668</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-909-0720</u>	SCREW,MACHINE
5305	<u>21-909-0750</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-910-7336</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-910-7491</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-910-7493</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-910-7494</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>21-AAT-0695</u>	*CAPSCREW,HEX HEAD. 3/8" UNC X 3" L
5310	<u>00-262-6355</u>	ECROU,HEXAGONAL,AUTOFREINE
5310	<u>01-086-1123</u>	RONDELLE,DE BLOCAGE
5310	<u>01-285-5606</u>	RONDELLE,FREIN
5310	<u>01-285-5624</u>	RONDELLE,DE BLOCAGE
5310	<u>01-285-5646</u>	ECROU DE BLOCAGE,MONTAGE RAPIDE
5310	<u>01-369-8278</u>	RONDELLE,OBLIQUE
5310	<u>20-003-0408</u>	RONDELLE,DE BLOCAGE
5310	<u>20-A05-2930</u>	RONDELLE
5310	<u>21-898-4602</u>	RONDELLE,OBLIQUE
5310	<u>21-898-4818</u>	RONDELLE,PLATE
5310	<u>21-908-5423</u>	ECROU,HEXAGONAL
5310	<u>21-908-5424</u>	ECROU,HEXAGONAL
5330	<u>00-467-0480</u>	JOINT
5330	<u>00-582-1538</u>	GRAIN DE GARNITURE
5330	<u>01-161-2485</u>	JOINT
5330	<u>01-354-5088</u>	RECHANGES,DISPOSITIF D'ETANCHEITE,E
5330	<u>01-380-2745</u>	GRAIN DE GARNITURE
5330	<u>01-393-3981</u>	GARNITURE PREFORMEE
5330	<u>01-393-3982</u>	GARNITURE PREFORMEE
5330	<u>01-474-0874</u>	GARNITURES PREFORMEES,ASSORTIMENT
5330	<u>01-582-6161</u>	RECHANGES,DISPOSITIF D'ETANCHEITE,E
5330	<u>20-A04-4438</u>	JOINT

5330	<u>21-905-9482</u>	MATIERE,GARNITURE
5331	<u>00-166-8405</u>	JOINT TORIQUE
5331	<u>00-542-1457</u>	JOINT TORIQUE
5331	<u>01-379-0050</u>	JOINT TORIQUE
5331	<u>01-392-5450</u>	JOINT TORIQUE
5331	<u>01-392-5455</u>	JOINT TORIQUE
5331	<u>01-474-0206</u>	JOINT TORIQUE
5331	<u>21-905-9439</u>	JOINT TORIQUE
5331	<u>21-909-1941</u>	JOINT TORIQUE
5340	<u>01-472-6579</u>	QUINCAILLERIE,EQUIPEMENT MECANIQUE
5340	<u>21-852-5698</u>	SUPPORT ELASTIQUE,USAGE GENERAL
5342	<u>00-543-3575</u>	SUPPORT ELASTIQUE,SYSTEME D'ARME
5342	<u>00-598-8825</u>	SUPPORT ELASTIQUE,SYSTEME D'ARME
5342	<u>00-664-4473</u>	SUPPORT ELASTIQUE,SYSTEME D'ARME
5342	<u>01-158-5325</u>	SUPPORT ELASTIQUE,SYSTEME D'ARME
5355	<u>01-063-5011</u>	BOUTON DE COMMANDE
5355	<u>01-111-9493</u>	INDEX DE CADRAN
5360	<u>00-005-0789</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>00-547-1127</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>00-839-4368</u>	RESSORT,HELICOIDAL,TRACTION
5360	<u>00-894-4489</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-320-1815</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-369-0726</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>01-379-1013</u>	RESSORT,HELICOIDAL,COMPRESSION
5360	<u>21-903-0684</u>	RESSORT HÉLICOÏDAL
5365	<u>01-126-3532</u>	MANCHON,ENTRETOISE
5365	<u>01-380-4868</u>	*PLATE RETAINER SET
5365	<u>01-381-1186</u>	*PORT RETAINER SET
5365	<u>20-A0A-4100</u>	ANNEAU D'ARRET
5920	<u>00-280-3537</u>	FUSIBLE,CARTOUCHE
5920	<u>01-322-6986</u>	FUSIBLE,CARTOUCHE
5920	<u>20-002-3058</u>	SOCLE DE COUPE-CIRCUIT,BLOC
5920	<u>20-005-0791</u>	FUSIBLE,CARTOUCHE
5930	<u>01-114-3065</u>	INTERRUPTEUR/CONTACTEUR/COMMUTATEUR
5930	<u>01-307-9728</u>	CONTACTEUR,THERMOSTATIQUE
5930	<u>01-344-3936</u>	INTERRUPTEUR,A BASCULE
5930	<u>01-471-0408</u>	CONTACTEUR,MANOMETRIQUE
5930	<u>01-473-2174</u>	CONTACTEUR,DEBIT
5930	<u>01-588-3417</u>	CONTACTEUR,MANOMETRIQUE
5940	<u>01-523-1649</u>	PLAQUE A BORNES DE CONNEXIONS
5940	<u>01-577-9187</u>	PLAQUE A BORNES DE CONNEXIONS
5945	<u>01-146-6588</u>	RELAIS,ELECTROMECHANIQUE
5945	<u>01-203-6606</u>	RELAIS,ELECTROMECHANIQUE
5945	<u>01-270-4063</u>	ARMATURE,RELAIS
5950	<u>00-086-8858</u>	BOBINE,D'INDUCTANCE
5950	<u>00-773-2786</u>	BOBINE,D'INDUCTANCE
5950	<u>01-392-1325</u>	TRANSFORMATEUR,ALIMENTATION
5975	<u>00-548-8756</u>	BOITE DE DERIVATION
5999	<u>00-262-0828</u>	CONTACTS ELECTRIQUES,ASSEMBLES
5999	<u>00-504-9892</u>	RESISTANCE CHAUFFANTE,DECLENCHEUR T
5999	<u>00-538-7278</u>	RESISTANCE CHAUFFANTE,DECLENCHEUR T

5999	<u>00-773-2781</u>	CONTACT ELECTRIQUE
5999	<u>00-773-2783</u>	CONTACT ELECTRIQUE
5999	<u>00-773-2784</u>	CONTACT ELECTRIQUE
5999	<u>00-817-7864</u>	CONTACT ELECTRIQUE
5999	<u>00-839-6477</u>	CONTACT ELECTRIQUE
5999	<u>00-839-6478</u>	CONTACT ELECTRIQUE
5999	<u>00-877-0260</u>	CONTACT ELECTRIQUE
5999	<u>01-015-3638</u>	CONTACT ELECTRIQUE
6105	<u>01-440-8401</u>	MOTEUR,A COURANT ALTERNATIF
6105	<u>21-AAN-9259</u>	*MOTOR,ELECTRIC
6150	<u>01-545-1565</u>	CABLE ELECTRIQUE EQUIPE,USAGE SPECI
6210	<u>00-752-2148</u>	CABOCHON/GLACE,APPAREIL LUMINEUX
6240	<u>00-270-4697</u>	LAMPE A INCANDESCENCE
6630	<u>21-904-7326</u>	*SENSOR,SALINITY
6640	<u>20-006-5219</u>	TUBE A ESSAI
6645	<u>00-831-6826</u>	COMPTEUR,HORAIRE,TOTALISATEUR
6665	<u>01-593-3238</u>	LOT DE CONTROLE,AGENTS CHIMIQUES DA
6680	<u>00-061-8039</u>	DEBITMETRE
6680	<u>01-172-6606</u>	FLOTTEUR A TIGE,DEBITMETRE
6680	<u>01-244-0770</u>	*SENSOR,SALINITY
6680	<u>01-384-2752</u>	DEBITMETRE
6680	<u>01-407-9437</u>	DEBITMETRE
6680	<u>01-471-1260</u>	INDICATEUR,DEBIT D'ECOULEMENT
6680	<u>01-523-6026</u>	INDICATEUR,DEBIT D'ECOULEMENT
6680	<u>21-853-0855</u>	TUBE DEBITMETRIQUE
6685	<u>01-106-7436</u>	COUVERCLE,PLASTIQUE
6685	<u>01-380-8643</u>	MANOMETRE,A CADRAN
6685	<u>01-472-7920</u>	MANOMETRE DIFFERENTIEL,A CADRAN
6685	<u>21-911-5556</u>	MANOMETRE DIFFERENTIEL,A CADRAN
6695	<u>01-335-7839</u>	COLLERETTE,MONTAGE D'INSTRUMENT
6695	<u>01-361-9731</u>	ETALONS DE PREMIERE REFERENCE,POSTE
6810	<u>12-326-5007</u>	SODIUM METABISULFITE,POUR ANALYSE
6850	<u>21-904-7432</u>	*CLEANER,REVERSE OSMOSIS
7045	<u>01-181-4596</u>	*REEL,TAKE UP
7510	<u>01-186-3987</u>	RUBAN,ENCREUR/IMPRIMANT

27-C50-000 RECIRCULATION brominateur (RECIRCULATION brominateur (NAVIRES DE CLASSES HFX, PTR ET DCM))

CSN	NNO/NNP	Item
4320	<u>20-A04-2595</u>	POMPE,CENTRIFUGE
4610	<u>01-022-9970</u>	CARTOUCHE,ADOUCCISSEUR D'EAU A ECHAN
4820	<u>01-515-4815</u>	VANNE,REGLAGE DE DEBIT
5305	<u>01-515-4336</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>01-515-4337</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>01-515-4413</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>01-515-4826</u>	SCREW,CAP,HEXAGON HEAD
5306	<u>01-515-4828</u>	ETRIER FILETE
5310	<u>01-515-4359</u>	ECROU,HEXAGONAL,AUTOFREINE
5310	<u>01-515-4829</u>	ECROU,HEXAGONAL,AUTOFREINE
5325	<u>01-515-4821</u>	OEILLET,METALLIQUE,AVEC RONDELLE
5330	<u>01-515-4800</u>	JOINT
5330	<u>01-515-4801</u>	JOINT
5360	<u>01-515-4818</u>	RESSORT,HELICOIDAL,COMPRESSION
5950	<u>01-515-4810</u>	BOBINE,D'INDUCTANCE
6105	<u>01-515-4360</u>	MOTEUR,A COURANT ALTERNATIF
6680	<u>01-515-4817</u>	DEBITMETRE
6680	<u>01-515-4820</u>	INDICATEUR,DEBIT D'ECOULEMENT
6685	<u>01-515-2162</u>	MANOMETRE,A CADRAN
6685	<u>01-515-2164</u>	MANOMETRE,A CADRAN
6685	<u>01-515-4809</u>	THERMOMETRE INDICATEUR,BIMETALLIQUE

27-C51-000 Dessalinisateur brominateur (NAVIRES DE CLASSES HFX ET DCM)

CSN	NNO/NNP	Item
4610	<u>01-022-9970</u>	CARTOUCHE,ADOUCCISSEUR D'EAU A ECHAN
4620	<u>01-516-1080</u>	LOT DE MODIFICATION,EQUIPEMENT DE T
4710	<u>01-512-3928</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>01-512-3929</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>01-512-3930</u>	'PIPE' EQUIPE,METALLIQUE
4710	<u>01-515-4827</u>	TUBE EQUIPE,METALLIQUE
4720	<u>01-451-6048</u>	TUBE,NON METALLIQUE
4730	<u>01-512-3773</u>	ECROU,RACCORD UNION
4730	<u>01-515-4822</u>	BRIDE,POUR TUBE
4730	<u>01-515-4823</u>	BRIDE,POUR TUBE
4730	<u>01-515-4824</u>	ABOUT,MANCHON UNION
4820	<u>20-A01-0234</u>	ROBINET,VANNE
5220	<u>20-A01-0236</u>	THERMOMETRE
5305	<u>01-512-6399</u>	SCREW,CAP,HEXAGON HEAD
5305	<u>01-514-9381</u>	SCREW,CAP,HEXAGON HEAD
5310	<u>01-452-4741</u>	RONDELLE,PLATE
5310	<u>01-512-3924</u>	ECROU,HEXAGONAL,AUTOFREINE
5310	<u>01-514-7173</u>	RONDELLE,PLATE
5310	<u>01-515-4357</u>	ECROU,BORGNE,AUTOFREINE

5330	<u>01-515-4799</u>	JOINT
5331	<u>01-512-5229</u>	JOINT TORIQUE
5331	<u>01-512-6400</u>	JOINT TORIQUE
5340	<u>01-514-7218</u>	PONTET DE FIXATION
5340	<u>01-515-7877</u>	GARNITURE ANTICHOC
5935	<u>01-515-4802</u>	RACCORD ARRIERE,CONNECTEUR ELECTRIQ
5940	<u>01-515-4798</u>	BLOC DE JONCTION TERMINALE,SECTION
5950	<u>01-514-0245</u>	TRANSFORMATEUR,ALIMENTATION
5950	<u>01-515-4939</u>	NOYAU,COMPOSANT ELECTROMAGNETIQUE
6110	<u>01-515-4814</u>	CONTACTEUR,MAGNETIQUE
6210	<u>01-515-4803</u>	TEMOIN LUMINEUX
6210	<u>01-515-4804</u>	TEMOIN LUMINEUX
6210	<u>01-515-4805</u>	TEMOIN LUMINEUX
6210	<u>01-515-4807</u>	TEMOIN LUMINEUX
6210	<u>01-515-4808</u>	TEMOIN LUMINEUX
6640	<u>01-515-4811</u>	COFFRET DE DOSAGE,CHLORE DANS L'EAU
6645	<u>01-515-4812</u>	MINUTERIE D'ECART
6645	<u>01-516-8952</u>	MINUTERIE D'ECART
6680	<u>01-515-4819</u>	FLOTTEUR,DEBITMETRE
7530	<u>01-515-4813</u>	PAPIER,ENREGISTREUR

**MANDATORY REQUIREMENTS
FRESHWATER SYSTEMS R&O**

ITEM	DESCRIPTION	YES	NO	REMARKS
1	Proposal addressed the issues of firms ability and experience in performing repairs on Department of National Defence (DND) owned equipment.			
2	Proposal contains a Configuration Management Plan with regard to how the bidder proposes to track and document changes to the baseline configuration, as required in Para. 7.1 of SOW.			
3	CV's for the key "Mandatory" personnel requested were included in proposal.			
4	Proposal contains a Quality Plan, as required in Bid Evaluation			
5	Proposal contains details as how the Repair Process and Procedures shall be qualified.			
6	Proposal acknowledged that Government Supplied Materiel (GSM) is not available and agrees to provide Contractor Furnished Material (CFM) for all material necessary to repair/restore unserviceable assets in Appendix 1 and 2 of the SOW, as requested in Para 3.9 and 5.5.1 of the SOW.			
7	Proposal acknowledged that Government Furnished Equipment (GFE) is not supplied and agrees to provide all GP/SP Test Equipment, Fixtures and Tooling, required to fulfill the repair effort, as requested in Para 3.1 of the SOW.			

Evaluator's Name

Evaluator's Signature

Date

**MANDATORY REQUIREMENTS
FRESHWATER SYSTEMS R&O**

8	Proposal has addressed how Obsolescence will be handled			
9	Proposal contains a Draft Work Plan, as in the Bid Eval with a list of work that is planned to be outsourced.			
10	Proposal contains a plan identifying the proposed repair facility location, layout, test equipment, fixtures and tooling.			
11	The Bidder's proposal acknowledged the requirement to provide an MRP/FSR as required.			

Evaluator's Name

Evaluator's Signature

Date

ANNEX “D”

BID EVALUATION

- Bids must meet all the mandatory requirements
- Any bid that fails to meet the **minimum** requirement of any mandatory criterion, the evaluation will be cease and no further review of the proposal will be done.
- Lowest cost, technically compliant bid will be awarded the contract.

1 **Ability & Experience Performing R&O on DND Equipment** (SOW 3.0)

The bidders proposal shall demonstrate the depth of experience in performing R&O on DND Equipment by providing one (1) example and as a minimum have 3 years out of the past 8 years performing R&O on Reverse Osmosis Desalinators. The level of complexity should be comparable to RODs systems that produce 4500 litres of water per day.

2 **Configuration Management** (SOW 7.1)

The Contractor's proposal shall provide a Configuration Management Plan with regard to how the bidder proposes to track and document changes to the baseline configuration, as required in Para. 7.1 of SOW.

3 **Key Personnel CV**

The Contractor shall have on staff at the time of the Bid submission and throughout the length of the contract the following people on staff with the qualifications listed:

Senior Team Leader- Mandatory Criteria:

- i) Five (5) years experience managing project of similar size and scope;
- ii) Demonstrated experience working with project stakeholders in Repair and Overhaul using written and verbal communication;
- iii) Four (4) years experience working with Reverse Osmosis Desalination overhaul in the last (8) years; and
- iv) Hold a valid PMP Certification.

Life Cycle and Configuration Support- Mandatory Criteria:

- i) Three (3) years experience, within the last five (5) years from the date of task authorization is issued, in life cycle management and ROD configuration support;
- ii) Two (2) years experience, within the last three (3) years from the date the task authorization is issued, in configuration management;
- iii) Two (2) years experience, within the last (3) years from the date the task authorization is issued, writing and maintaining standard operating procedures for RODs; and
- iv) Three (3) years experience advising stakeholders on how to overcome obsolescence issues and suggesting strategies to overcome the issues.

Field Service Rep – Mandatory Criteria:

- i) Three (3) years experience, within the last five (5) years from the date of task authorization is issued, in trouble-shooting RODs, installing ROD components in situ and able to meet travel requirements worldwide that will be required; and
- ii) Three (3) years experience, within the last five (5) years from the date of task authorization is issued, supporting technical engineering and support teams in development of enhancing ROD performance and upgrades.

The Bidder's proposal shall contain CV's for the key "Mandatory" personnel requested above. Bidder's proposal (CVs) can either be made up of commercial / DND experience or a combination of the two.

4 Quality Assurance

Although certification under ISO 9001:2008 is not mandatory, the contractor must demonstrate that the International Standard ISO 9001:2008, Quality Management Systems, are met in the performance of the work. The Contractor shall have a Quality Management plan in place that meets the same criteria of the ISO Standards listed below. DQA will be the authority for Quality Assurance.

- ISO 1005:1995 - Quality Management - Guidelines for Quality Plans
- ISO 1006:1997 - Quality Management - Guidelines to Quality in Project Management
- ISO 1007:1995 - Quality Management - Guidelines for Configuration Management

5 Repair Facility (SOW 3.3)

The Bidder's proposal shall contain a plan of the proposed Repair Facility identifying the location, special and general-purpose test equipment, fixtures and tooling that will be utilized to carry out the intended work. The Contractor shall supply all labour, material, repair parts, test equipment, tooling and facilities, engineering, technical and administrative services necessary to complete the work. The only work to be sub-contracted will be overhaul and testing of motors and shock certification as it is recognized that this is specialty work.

6 Contractor Furnished Material (CFM) (SOW 5.5.1)

- The Contractor shall maintain a supply of spare parts, subassemblies and component parts to ensure minimum turn-around-time of 30 days or IAW the SNAPs report. The Contractor shall supply all necessary OEM parts to complete the repairs unless otherwise specifically advised in writing. The Contractor's submitted proposal shall identify material which may be difficult or impossible to obtain or manufacture and as a result, impacting the repair process and turn-around-time. Identification of a potential problem does not exclude the bidder from further review or exclusion from the contract award.

7 No Government Furnished Equipment

Proposal shall acknowledge that Government Furnished Equipment (GFE) is not supplied and the Contractor agrees to provide all GP/SP Test Equipment, Fixtures and Tooling, required to fulfill the repair effort.

8 Obsolescence

Replacement piece/part components of the items identified in Appendix 1 of this SOW may not be currently available. The Contractor shall be responsible to source, qualify and procure any components that require substitution due to non-availability. The Contractor's proposal shall clearly demonstrate the ability to provide this function.

9 Draft Work Plan

The Bidder's proposal shall contain a draft work plan to define how the work outlined in this SOW will be accomplished. The draft work plan shall also substantiate that the Contractor's proposed resources are adequate to perform the required work. As a minimum the bidders' proposal shall outline a list of work that is planned to be outsourced.

10 Plan – Repair Facility Location / Layout / Test & Tools

The Bidder's proposal shall contain a plan of the proposed Repair Facility identifying the location, special and general-purpose test equipment, fixtures and tooling that will be utilized to carry out the intended work. The Contractor shall supply all labour, material, repair parts, test equipment, tooling and facilities, engineering, technical and administrative services necessary to complete the work.

#11 Mobile Repair Parties (MRPs)/Field Service Representatives

The Bidder's proposal shall acknowledge the requirement to provide an MRP/FSR as required.

ANNEXE "E"

FINANCIAL PROPOSAL

The financial proposal submitted by the bidder shall be as per the following Basis of Payment.
All rates quoted are to be all-inclusive, GST/HST extra:

Year 1 - 01 November 2012 to 31 October 2013

For Free Flow Repair and Overhaul

Category	Estimated Number of Hours	Rate
1) Labourer	900 Hours	\$ _____ Per Hour
2) Welder	150 Hours	\$ _____ Per Hour
3) Painter	150 Hours	\$ _____ Per Hour
4) Machinist	90 Hours	\$ _____ Per Hour
5) Technician	600 Hours	\$ _____ Per Hour
6) Mechanic/ Electrician	450 Hours	\$ _____ Per Hour
7) Project Manager	360 Hours	\$ _____ Per Hour
8) Project Engineer	300 Hours	\$ _____ Per Hour

For Work performed under Task Authorization

(Includes Special Investigation and Technical Studies (SITS), Technical Investigation and Engineering Services (TIES) and Field Service Representative (FSR)/Mobile Repair Party (MRP).I

1)	500 Hours	\$ _____ Per Hour
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Materials: It is estimated that \$900,000.00 in Laid Down Cost for materials used in the Repair and Overhaul will be expended. This Laid Down Cost is to be charged against the resulting Contract plus a Mark-Up of ____%.

Year 2 - 01 November 2013 to 31 October 2014

For Free Flow Repair and Overhaul

Category	Estimated Number of Hours	Rate
1) Labourer	900 Hours	\$ _____ Per Hour
2) Welder	150 Hours	\$ _____ Per Hour
3) Painter	150 Hours	\$ _____ Per Hour
4) Machinist	90 Hours	\$ _____ Per Hour
5) Technician	600 Hours	\$ _____ Per Hour
6) Mechanic/ Electrician	450 Hours	\$ _____ Per Hour
7) Project Manager	360 Hours	\$ _____ Per Hour
8) Project Engineer	300 Hours	\$ _____ Per Hour

For Work performed under Task Authorization

(Includes Special Investigation and Technical Studies (SITS), Technical Investigation and Engineering Services (TIES) and Field Service Representative (FSR)/Mobile Repair Party (MRP).I

1)	500 Hours	\$ _____ Per Hour
----	-----------	-------------------

Materials: It is estimated that \$900,000.00 in Laid Down Cost for materials used in the Repair and Overhaul will be expended. This Laid Down Cost is to be charged against the resulting Contract plus a Mark-Up of ____%.

Year 3 - 01 November 2014 to 31 October 2015

For Free Flow Repair and Overhaul

Category	Estimated Number of Hours	Rate
1) Labourer	900 Hours	\$ _____ Per Hour
2) Welder	150 Hours	\$ _____ Per Hour
3) Painter	150 Hours	\$ _____ Per Hour
4) Machinist	90 Hours	\$ _____ Per Hour
5) Technician	600 Hours	\$ _____ Per Hour
6) Mechanic/ Electrician	450 Hours	\$ _____ Per Hour
7) Project Manager	360 Hours	\$ _____ Per Hour
8) Project Engineer	300 Hours	\$ _____ Per Hour

For Work performed under Task Authorization

(Includes Special Investigation and Technical Studies (SITS), Technical Investigation and Engineering Services (TIES) and Field Service Representative (FSR)/Mobile Repair Party (MRP).I

1)	500 Hours	\$ _____ Per Hour
----	-----------	-------------------

Materials: It is estimated that \$900,000.00 in Laid Down Cost for materials used in the Repair and Overhaul will be expended. This Laid Down Cost is to be charged against the resulting Contract plus a Mark-Up of ____%.

Option Year 1 - 01 November 2015 to 31 October 2016

For this period, if the Option is exercised, the labour rate will be negotiated between the period 01 September 2016 to 31 October 2016 inclusive. Increases or decreases for labour rates shall be adjusted to reflect the average change in the Consumer Price Index (CPI), Catalogue No. 72-002-XPB Employment Earnings and Hours, Table 5, for the Region/Province in which the Contractor is located and where the majority of the work is performed. The average monthly increase/decrease for the period 01 September 2015 to 31 August 2016 is the factor which shall be used. This change shall be applied to the Year 3 labour rates to arrive at Option Year 1 labour rates. For this Option Year, the Mark-Up on Laid Down Cost for materials shall be the same as the Mark-Up for Period 3.

Option Year 2 - 01 November 2016 to 31 October 2017

For this period, if the Option is exercised, the labour rate will be negotiated between the period 01 September 2017 to 31 October 2017 inclusive. Increases or decreases for labour rates shall be adjusted to reflect the average change in the Consumer Price Index (CPI), Catalogue No. 72-002-XPB Employment Earnings and Hours, Table 5, for the Region/Province in which the Contractor is located and where the majority of the work is performed. The average monthly increase/decrease for the period 01 September 2015 to 31 August 2016 is the factor which shall be used. This change shall be applied to the Option Year 1 labour rates to arrive at Option Year 2 labour rates. For this Option Year, the Mark-Up on Laid Down Cost for materials shall be the same as the Mark-Up for Period 3.

PRICE EVALUATION

The following formula shall be used to evaluate each bidders's financial proposal:

1) Year 1 - The aggregate total of the eight (8) hourly rates quoted for Free Flow Repair and Ovehaul times the corresponding estimated hours shown for each category of labour and the hourly rate quoted for Task Authorization Work times the corresponding estimated hours shown.

Plus

2) Year 2 - The aggregate total of the eight (8) hourly rates quoted for Free Flow Repair and Ovehaul times the corresponding estimated hours shown for each category of labour and the hourly rate quoted for Task Authorization Work times the corresponding estimated hours shown.

Plus

3) Year 3 - The aggregate total of the eight (8) hourly rates quoted for Free Flow Repair and Overhaul times the corresponding estimated hours shown for each category of labour and the hourly rate quoted for Task Authorization Work times the corresponding estimated hours shown

Plus

4) An estimate of \$900,000.00 for materials plus the Mark-Up quoted for each of Years 1, 2 and 3.

This total shall be considered the firm's quoted price for evaluation purposes. The proposal which meets all the required technical aspects for this solicitation, and is offering the lowest evaluated price (using the above formula), shall be accepted for Contract award.

SUBCONTRACTING: In the event any work is subcontracted, the Contractor shall charge Canada the Laid Down Cost of the subcontractor plus the applicable mark-up. Invoices shall clearly show the labour rate being charged by the subcontractor. However, at no time shall the Contractor charge rates for subcontracting which are in excess of the rates showing under any resulting Contract's Basis of Payment.