

**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving Public Works & Government Services  
Canada/Réception des soumissions Travaux publics et  
Services gouvernementaux Canada  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.E.)  
B3J 1T3  
Halifax  
Bid Fax: (902) 496-5016

**Revision to a Request for a Standing Offer**

**Révision à une demande d'offre à commandes**

Regional Individual Standing Offer (RISO)

Offre à commandes individuelle régionale (OCIR)

The referenced document is hereby revised; unless  
otherwise indicated, all other terms and conditions of the  
Offer remain the same.

Ce document est par la présente révisé; sauf indication  
contraire, les modalités de l'offre demeurent les mêmes.

**Comments - Commentaires**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Real Property Contracting  
1713 Bedford Row  
P.O. Box 2247/C.P.2247  
Halifax, N.S./Halifax, (N.E.)  
B3J 3C9  
Halifax

<b>Title - Sujet</b> RISO - CHILLERS REPAIRS - MARLANT		
<b>Solicitation No. - N° de l'invitation</b> W010C-12C482/A		<b>Date</b> 2012-03-13
<b>Client Reference No. - N° de référence du client</b> W010C-12-C482		<b>Amendment No. - N° modif.</b> 001
<b>File No. - N° de dossier</b> PWA-1-64136 (123)	<b>CCC No./N° CCC - FMS No./N° VME</b>	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWA-123-4863		
<b>Date of Original Request for Standing Offer</b>		2012-03-12
<b>Date de la demande de l'offre à commandes originale</b>		
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2012-04-24</b>		<b>Time Zone</b> <b>Fuseau horaire</b> Atlantic Daylight Saving Time ADT
<b>Address Enquiries to: - Adresser toutes questions à:</b> Lockyer, Jeff		<b>Buyer Id - Id de l'acheteur</b> pwa123
<b>Telephone No. - N° de téléphone</b> (902) 496-5636 ( )		<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Delivery Required - Livraison exigée</b>		
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>		
<b>Security - Sécurité</b> This revision does not change the security requirements of the Offer. Cette révision ne change pas les besoins en matière de sécurité de la présente offre.		

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Acknowledgement copy required</b>	<b>Yes - Oui</b>	<b>No - Non</b>
<b>Accusé de réception requis</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>The Offeror hereby acknowledges this revision to its Offer.</b> <b>Le proposant constate, par la présente, cette révision à son offre.</b>		
<b>Signature</b>	<b>Date</b>	
Name and title of person authorized to sign on behalf of offeror. (type or print) Nom et titre de la personne autorisée à signer au nom du proposant. (taper ou écrire en caractères d'imprimerie)		
<b>For the Minister - Pour le Ministre</b>		

Solicitation No. - N° de l'invitation

W010C-12C482/A

Amd. No. - N° de la modif.

001

Buyer ID - Id de l'acheteur

pwa123

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

W010C-12-C482

File No. - N° du dossier

PWA-1-64136

CCC No./N° CCC - FMS No/ N° VME

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**Amendment 001 is being created to incorporate the following:**

Due to a technical error, the Specification was not attached to Solicitation. Please see attached Specification herein.

**All other terms and conditions remain the same.**

Department of National Defence



Specification

Standing Offer Agreement

**Emergency and Operational Repairs  
of Chiller Units**

CFB Halifax, NS

<u>Section</u>	<u>Title</u>	<u>Pages</u>
<u>Division 01 - General Requirements</u>		
01 11 00	GENERAL INSTRUCTIONS	9
01 35 30	HEALTH AND SAFETY REQUIREMENTS	5
01 35 35	DND FIRE SAFETY REQUIREMENTS	4
01 35 36	SECURITY, SAFETY AND FIRE REGULATIONS CFAD BEDFORD, NS	5
<u>Division 23 - Heating, Ventilating and Air-Conditioning (HVAC)</u>		
23 64 00	CHILLER UNITS REPAIRS	2

PART 1 - GENERAL

- 1.1 DESCRIPTION OF WORK .1 Work under this Standing Offer comprises the furnishing of all labour, material, tools, equipment, and transportation required for operational and emergency repairs to the chiller units located within various buildings of CFB Halifax.
- 1.2 WORK INCLUDED .1 The Work under this Standing Offer comprises the carrying out of emergency and operational repairs to various types of chiller units on as is and when required basis. Various models, but not limited to, are included in this Standing Offer:
- .1 Trane;
  - .2 Multistack IWC;
  - .3 McQuay;
  - .4 York;
  - .5 Carrier;
  - .6 Unichiller;
- .2 Clean-up.
- 1.3 ENGINEER .1 All reference to the Engineer in this specification, who is the Contract Inspector, is to be understood that he/she is representing the Formation Construction Engineering Officer(FCEO).
- .2 The address of the Engineer is:
- Formation Construction Engineering  
Maritime Forces Atlantic, PO 99000  
Stn Forces Willow Park Bldg 7  
Halifax, NS B3K 5X5  
Attn: Contract Inspector  
Tel: (902)722-4064  
Fax: (902)722-1847
- .3 The Engineer will provide the Contractor with a list of his/her authorized representatives at the pre-job meeting.
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- 1.4 WORK SCHEDULE .1 Immediately upon receipt of award of Standing Offer, the successful Contractor will contact Engineer to arrange a pre-job meeting prior to commencement of any work.
- 1.5 LOCATIONS OF JOB SITES .1 Areas covered under this specification but not limited to include:
- .1 Stadacona - Halifax, NS
  - .2 Windsor Park - Halifax, NS
  - .3 HMC Dockyard - Halifax, NS
  - .4 Dockyard Annex(NAD) - Dartmouth, NS
  - .5 Bedford Magazine(CFAD Bedford) - Bedford, NS
  - .6 12 Wing Shearwater - Eastern Passage, NS
  - .7 NRS Newport Corner - Newport Corner, NS
  - .8 NRS Mill Cove - Mill Cove, NS
- 1.6 SITE ACCESS .1 Access to the site is under the direction of the Department of National Defence. All visitors entering areas issuing a daily pass will be aware of the requirement for search as a condition of issue.
- .2 While within the confines of CFB Halifax all employees and representatives of the Contractor must comply with all of the Standing Orders as promulgated by Base Authorities. Engineer will provide copies of relevant Standing Orders.
- 1.7 SECURITY CLEARANCE .1 The Contractor and his/her personnel must be suitable for security clearance as defined by the Department of National Defence Security Officer.
- .2 The Contractor must obtain security clearances for all employees in accordance with the PWGSC Industrial Security Manual.
- .3 Within 30 days of Work commencement, the Contractor must provide the Engineer with proof positive that all submissions required by PWGSC to initiate security clearance procedures have been completed. This is to include a valid Visitor's Clearance Request(VCR).
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1.8 CONTRACTOR'S  
QUALIFICATIONS

- .1 The Contractor must satisfy the Engineer that he/she has adequate and qualified staff to perform the services expected. This includes the processing of all service calls within an acceptable time period both during normal and silent working hours.
- .2 Various projects under this Standing Offer will involve work in confined spaces. For this reason the Contractor's employees doing work in those areas, must be trained and certified in confined spaces(Subcontractors included).
- .3 The Contractor must provide evidence that the firm is duly registered to carry out this type of work and may be required to provide evidence of past services and contracts of this nature. (Subcontractors included).

1.9 CONTRACTOR'S  
USE OF SITE

- .1 Limited to areas of work and storage. Contractor will be briefed on use of site by Engineer.
- .2 Do not unreasonably encumber site with materials or equipment.
- .3 Move stored products or equipment which interferes with operations of Engineer or other Contractors.
- .4 Obtain and pay for use of additional storage or work areas needed for operations.

1.10 PARKING

- .1 Parking space will be made available on site for company vehicles and equipment only. Maintain and administer this space as directed.

1.11 CODES AND  
STANDARDS

- .1 Perform work in accordance with the latest edition of the following codes: National Building Code of Canada(NBC), Canadian Electrical Code, Federal Halocarbon Regulations, Part II of the Canada Labour Code, and any other code of provincial or local application provided that in any case of conflict or discrepancy, the more stringent requirements will apply.
- .2 Meet or exceed requirements of Standing Offer documents, specified standards, codes and referenced documents such as CSA, ASHRAE, and SMACNA, and standard trade practices.
- .3 All codes, standards and regulations, addendums, revisions and acts mentioned in all sections of this specification must be latest editions.

1.12 EXISTING SERVICES

- .1 Where work involves breaking into or connecting to existing services, carry out work at times directed by governing authorities, with minimum of disturbance to pedestrian and vehicular traffic.
- .2 Before commencing work, establish location and extent of service lines in area of work and notify Engineer of findings.
- .3 Submit schedule to and obtain approval from Engineer for any shut-down or closure of active service or facility. Adhere to approved schedule and provide notice to affected parties.
- .4 Where unknown services are encountered, immediately advise Engineer and confirm findings in writing.

1.13 ALTERATIONS, ADDITIONS OR REPAIRS TO EXISTING BUILDINGS

- .1 Execute work with least possible interference or disturbance to occupants, public and normal use of premises. Arrange with Engineer to facilitate execution of work.
- .2 Where security has been reduced by work of the Standing Offer, provide temporary means to maintain security.
- .3 Where elevators, dumbwaiters, conveyors or escalators exist in buildings, only those assigned for Contractor's use may be used for moving men and material within building. Protect walls of passenger elevators, to approval of Engineer before use. Accept liability for damage, safety of equipment and overloading of existing equipment.
- .4 Provide temporary dust screens, barriers, warning signs in locations where renovation and alteration work is adjacent to areas used by public or government staff.

1.14 POWER AND WATER SUPPLY

- .1 DND may provide, free of charge, temporary electric power and water for construction purposes. If power and water cannot be provided by DND, it will be the Contractor's responsibility to provide his/her own power and water to perform the work under this Standing Offer.
- .2 Engineer will determine delivery points and quantitative limits. Engineer's written permission is required before any connection is made. Connect to existing power supply in accordance with Canadian Electrical Code.
- .3 Provide, at no cost to DND, all equipment and temporary lines to bring these services to project site.
- .4 Supply of temporary services by DND is subject to DND requirements and may be discontinued by DND site representative at any time without notice, without acceptance of

1.14 POWER AND  
WATER SUPPLY  
(Cont'd)

- .4 (Cont'd)  
any liability for damage or delay caused by such withdrawal of temporary services.
- .5 After the temporary service lines are no longer required, the Contractor must remove all lines and equipment, restore the connection points to their original condition and return the land to its original contour.

1.15 MANUFACTURER'S.1  
INSTRUCTIONS

- Unless otherwise specified, obtain and comply with manufacturer's latest printed instructions for materials and installation methods.
- .2 Notify Engineers in writing of any conflict between these specifications and manufacturers instructions. Engineer will designate which document is to be followed.
- .3 Provide a copy of appropriate manufacturer's instructions to the Engineer prior to installing new materials or equipment.

1.16 MATERIALS

- .1 Materials and parts used must be as specified by the manufacturers of the equipment.
- .2 Use manufacturer's parts of same type and model unless otherwise specified.
- .3 Only new parts will be installed. If original parts are unavailable then generic parts may be used with the approval of the Engineer.

1.17 SITE VISIT

- .1 Failure to visit the sites, to examine the specification and drawings or otherwise to become familiar with site conditions, will not relieve the Contractor of any responsibility to provide the complete work in accordance with the Standing Offer documents.

1.18 INSPECTION

- .1 All work and materials covered by this specification will be subject to inspection at any times and all times by the Engineer or his/her elected representative.

1.19 WORKMANSHIP

- .1 Workmanship must be the best quality executed by workers experienced and skilled in the respective duties for which they are employed.
- .2 Do not employ any unfit person or anyone unskilled in their required duties. The Engineer reserves the right to require the

1.19 WORKMANSHIP  
(Cont'd)

- .2 (Cont'd)  
dismissal from the site, workers deemed incompetent, careless, insubordinate or otherwise objectionable.
- .3 Decisions as to the quality or fitness of workmanship in cases of dispute rest solely with the Engineer whose decision is final.
- .4 The Contractor must employ a competent and experienced supervisor with the authority to speak on his/her behalf on day-to-day routine matters.
- .5 The Contractor must possess the basic engineering data pertinent to the detailed operation and adjustment of the equipment concerned. Possession of diagrams alone is insufficient to fulfill this requirement. The Contractor must possess complete operational and adjustment procedures from the manufacturer of the equipment.

1.20 NOTIFICATION  
OF REQUIREMENT

- .1 A PWGSC 942 "Call-up Against a Standing Offer" will be issued by the Engineer or his/her representative, to notify the Contractor of requirements against this Standing Offer.
- .2 Prior to commencing work, an estimated cost must be submitted to the Engineer in writing including the total costs for all work that will be performed as requested, exclusive of regular inspections.
- .3 When requested by Engineer, provide an adequate breakdown quote to show how costs were incurred.

1.21 SERVICE CALLS

- .1 The Contractor must provide service during regular hours when requested by the Engineer on an eight(8) hour per day five(5) days per week basis.
- .2 The Contractor must provide emergency service when requested by Engineer on a 24 hours, 7 days per week basis.
- .3 Response time must not exceed two(2) hours for operational repairs, and one(1) hour for emergency repairs.
- .4 Notify Engineer of the telephone at which Contractor or his representative may be contacted at all times.
- .5 The Contractor will be advised of the personnel authorized to request emergency service. Services undertaken at the request of unauthorized persons will be done at the Contractor's risk, with regards to payment.
- .6 Report service calls executed outside normal working hours to the Engineer, immediately on the next working day.

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- 1.22 HOURS OF WORK .1 Normal working hours will be 0730 to 1600 hours, Monday to Friday. Any work carried out other than normal working hours must be authorized by the Engineer.
- 1.23 LICENSES AND PERMITS .1 The Contractor will be responsible for obtaining and paying for all licenses and permits required to perform the work requested.
- 1.24 REPORTING IRREGULARITIES .1 The Contractor must notify the engineer of irregularities in the work area, such as structural defects, mechanical and/or electrical problems and/or any beyond the scope of work.
- 1.25 GUARANTEE/ WARRANTY .1 All labour, materials, and equipment supplied under this Standing Offer must be warranted for a period of one(1) year after completion of the Standing Offer.
- .2 Where the Contractor supplies equipment purchased from a supplier or manufacturer, he/she will obtain from such supplier or manufacturer a warranty for the term specified and such warranty will be made out to DND.
- .3 For all items where the manufacturer's normal guarantee/warranty periods exceed that specified the Contractor must obtain from the manufacturer or supplier, a warranty for the manufacturer's normal warranty period.
- .4 All warranties must be in accordance with the requirements of the Standing Offer documents and must be passed to the Engineer at the time of handing over the project.
- 1.26 METHOD OF INVOICING .1 Invoices will be made out separately for each PWGSC 942, "Call-up Against a Standing Offer".
- .2 Invoices for Work completed under this specification will be made out in one(1) copy and forwarded to:
- Accounts Payable Section  
Formation Construction Engineering  
Maritime Forces Atlantic Willow Park Bldg 7  
PO Box 99000 Station Forces  
Halifax NS B3K 5X5
- .3 All invoices must be submitted within 30 days of completion of work.
- .4 Each invoice will clearly indicate the following information:
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- 1.26 METHOD OF INVOICING  
(Cont'd)
- .4 (Cont'd)
- .1 Contract number;
  - .2 Work Order/Serial number;
  - .3 Requisition/order offer number;
  - .4 Building number or location;
  - .5 Dates during which the Work was accomplished;
  - .6 A detailed description of the work performed, with itemized list of materials & labour(a copy of the Contractor's invoice from his material supplier will also be included plus any other costs being charged), labour, overhead, profit and applicable taxes will be included separately on the invoice.
  - .7 Labour costs are to be broken down by trade and sub-trade. Labour time sheets will also be provided upon request.
- .5 All call-outs supported with a PWGSC 942 "Call-up Against a Standing Offer" will be invoiced separately.
- .6 No invoices will be processed without proper information as outlined in this section.
- 1.27 CLEANING
- .1 Conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws.
  - .2 Maintain the work, including building systems, at least on a daily basis free from accumulations of waste material and debris.
  - .3 On completion of the work under this Standing Offer all surplus material including materials declared surplus by DND, plant, tools, equipment and debris must be removed from the job sites.
  - .4 Disposal of debris will be the Contractor's responsibility and must off DND property.
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PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

PART 1 - GENERAL

- 1.1 CONSTRUCTION SAFETY MEASURES .1 Observe and enforce construction safety measures by complying with the requirements of the following statutes and authorities:
- .1 Canada Labour Code Part II and the Canada Occupational Health and Safety Regulations.
  - .2 The Nova Scotia Occupational Health and Safety Act and supporting Occupational General Safety Regulations as amended from time to time.
  - .3 Most recent amendments to the National Building Code of Canada, Part 8 and National Fire Code of Canada.
- .2 Refer to Section 01 35 35, DND Fire Safety Requirements.
- .3 Engineer will provide a copy of any relevant special written instructions to be followed.
- .4 **Prior to Contract Award**
- .1 Bidders/Tenders are to provide a copy of the company's safety policy, signed by the owner or authorized representative of the company.
  - .2 Bidders/Tenders are to provide documents and evidence to the satisfaction of the Crown, indicating that the bidder/tender has successfully completed an independent SAFETY AUDIT and will maintain that safety audit for the life of the Standing Offer(Contractor and Sub-contractor(s)).
- .5 **Before Work Begins**
- .1 Bidder/Tender to provide documentation if requested by the Crown, indicating all safety training attained for each person who will be involved with the Standing Offer.
- .6 The following disciplinary measures will be taken for any violations of safety under this Standing Offer Agreement:
- .1 **First Violation:** Verbal warning issued to the Contractor for the first violation of a safety regulation(Violation will be documented on Standing Offer file, copy to Contractor DCC or PWGSC).
  - .2 **Second Violation:** Written warning to Contractor for second violation of a safety regulation(Violation will be documented on Standing Offer file, copy to Contractor, DCC or PWGSC).
  - .3 **Third Violation:** A third violation of a safety regulation may result in the termination of the Standing Offer with a
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1.1 CONSTRUCTION SAFETY MEASURES  
(Cont'd)

- .6 (Cont'd)
- .3 Third Violation:(Cont'd)  
recommendation to the Contracting Authority that the Contractor be denied access to Formation Construction Engineering contracts(Documented to Standing Offer file, copies to Contractor, DCC or PWGSC).
- .4 **Serious Violation:** For a serious violation of a safety regulation as deemed by a regulator, project manager or safety officer a recommendation will be made to the Contracting Authority to immediately terminate the Contract/Standing Offer(Violation documented on Standing Offer file, copies to Contractor, DCC or PWGSC).
- .5 **Charges Laid or Guilty Determination by Courts:**  
Infractions of safety regulations that result in charges being laid by a regulator against the Contractor or the Contractor being found guilty by the courts may result in that Contractor being denied access to Formation Construction Engineering contracts.

1.2 ASBESTOS PRODUCT & ASBESTOS ACTIVITY

- .1 Within the confines of the Base, the provision of new products containing fibrous asbestos materials is prohibited.
- .2 Demolition or disturbance of spray or trowel-applied asbestos can be hazardous to health. Should material resembling spray or trowel-applied asbestos be encountered in course of work, stop work and notify Engineer immediately. Do not proceed until written instructions have been received from Engineer.

1.3 FASTENING DEVICES EXPLOSIVE ACTUATED

- .1 Explosive actuated devices must not be used.

1.4 HOT WORK

- .1 All hot work activity is to take place with Engineer's approval and written permission from the Formation Fire Chief(Hot work permit). Hot work permits and fire-watch requirements will be provided by the Dockyard Fire Hall at 427-3500.
- .2 The ventilation system in the area of any Hot Work activity is to be isolated to prevent migration of fumes/smoke and to reduce any possible spread of fire to other areas of the facility.
- .3 Contractor is to employ an employee trained in the use of fire extinguishers as fire watch during any Hot Work for a minimum of 30 minutes after activity has ceased.

- 1.5 CONFINED SPACES .1 All work in confined spaces will be carried out in compliance with the Canada Occupational Safety and Health Regulations, Part XI.
- .2 The Contractor to provide and maintain all equipment as required by any person to enter and/or perform work in a safe manner, in compliance with the Canada Occupational Safety and Health Regulations, Part XI.
- .3 The Contractor to provide and maintain training, as required by the Canada Occupational Safety and Health Regulations, Part XI.
- .1 The Contractor and/or his employees must provide proof of training and qualifications when requested by the Engineer.
- .4 The Contractor to provide the Engineer with a copy of an "Entry Permit" for each and every entry into the confined space to ensure compliance with the Canada Occupational Safety and Health Regulations, Part XI.
- .5 The Contractor to have a hazard assessment of the confined space performed.
- .1 The Contractor to provide the Engineer with a copy of the hazard assessment.
- 1.6 FALL PROTECTION .1 All work carried out above the mandatory height restrictions, from unguarded structure and/or scaffolding, will be done in compliance with the Canada Occupational Safety and Health Regulations, Part XII, Section 12.10.
- .2 The components of a fall protection system must meet the standards as outlined in the Canada Occupational Safety and Health Regulations, Part XII, Section 12.10(2).
- .3 The Contractor is to ensure fall protection equipment is maintained, inspected and tested by a qualified technician as required by the Canada Occupational Safety and Health Regulations, Part XII, Section 12.3.
- 1.7 ARC FLASH .1 The Contractor is to ensure all electrical equipment such as switchboards, panel boards, motor control centres and meter socket enclosures be marked to warn persons of potential electric shock and arc flash hazards. This labeling is required for all new & modified installations.
- .2 The warning label must also include information regarding «arc flash hazard category(0 to 4)» and the «Flash Protection Boundary» as defined in NFPA 70E. All projects specifications must include short circuit study and flash hazard analysis.
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- 1.7 ARC FLASH (Cont'd) .3 In accordance with the new CSA Standards Z462-08 para 4.3.3.3 Electrical Contractors are now required to perform a shock and flash hazard analysis to select the appropriate PPE to wear. Electrical Contractors are now required Arc-rated personal protective equipment while troubleshooting and diagnostic testing that cannot be performed unless the electrical conductor or circuit part is energized. All Contractor work practices must protect each employee from arc flash and from contact with live parts directly with any part of the body or indirectly through some other conductive object.
- 1.8 SAFETY .1 The Contractor must provide a copy of their company's Occupational Health and Safety Policy Program. It must meet the Provincial Occupational Health and Safety Acts. The Engineer will instruct the Contractor where the Federal Standards apply.
- .2 The Contractor must perform site hazard assessments to establish site specific safe work practice procedures for the safety and well being of his/her employees. Copies must be made available to Department of National Defence upon request.
- .3 All copies of the formal Hazard Assessments conducted by the Contractor throughout the duration of the work will be retained and made available to the Engineer immediately upon request.
- .4 It is the Contractor's responsibility to be familiar with all applicable Safety Acts, Regulations, Codes and Standing Offer requirements. These must be identified and addressed in the Safety Plan, by identifying Standard Operating Procedures(SOP) and safe work practices(SWP) which incorporate clear and specific control measures, applicable rules, procedures and practices, all of which will become mandatory.
- .5 The Contractor must ensure all workers and authorized persons entering the work site are notified of and abide by the posted Safety Plan, safety rules, procedures, safe work practices and applicable Safety Acts, Regulations, and codes. Any person not complying with these will not be permitted on the site.
- .6 Contractor must ensure that all applicable personal protective equipment(PPE) is used.
- .1 All personnel are required to wear hard hats, in accordance with CSA Z94.1-05.
- .2 All personnel are required to wear safety footwear, in accordance with CSA Z195-09.
- .3 All personnel are required to wear eye & face protection, in accordance with CSA Z94.3.1-09.
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1.8 SAFETY  
(Cont'd)

- .6 (Cont'd)
- .4 When and where noise level is above 85 decibels; all personnel are required to wear hearing protection, in accordance with CAN/CSA Z94.2-02(R2007).
  - .5 Where toxic or noxious gas fumes, or oxygen deficiency or excessive dust may occur, so as to create a hazard to life, safety or health; all personnel are required to wear respiratory protection, in accordance with CAN/CSA Z94.4-02(R2007).
  - .7 The Engineer will coordinate arrangements for the Contractor to be briefed on site safety within fourteen(14) days of award of Standing Offer Agreement.

1.9 SITE SIGNS  
AND NOTICES

- .1 Safety and instruction signs and notices:
- .1 Signs and notices for safety and instruction must be in both official languages. Graphic symbols must conform to CAN/CSA Z321-96(R2006).

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

PART 1 - GENERAL

- 1.1 EMERGENCY REPORTING .1 Telephone Number: Dial 9-1-1.
- 1.2 FIRE SAFETY ENFORCEMENT .1 Within the confines of the Base, the prescription and enforcement of mandatory Fire Safety measures will be exercised under the authority of the Formation Fire Chief.
- .2 Comply with and enforce compliance by all Contractor personnel with all requirements of this specification section, and with the most recent edition of the National Building Code of Canada(NBCC) and the National Fire Code of Canada(NFC), including all subsequent revisions issued by the National Research Council of Canada.
- .3 The Engineer reserves the right to require the dismissal from site of persons deemed careless or otherwise in violation of the Fire Safety Requirements.
- 1.3 FIRE SAFETY BRIEFING .1 Prior to commencement of work under this Standing Offer, the Engineer will arrange a meeting of all parties concerned to review and clarify requirements for Fire Safety measures. This may involve a briefing by the Formation Fire Chief.
- .2 The Engineer will provide direction for reporting of fire including the emergency telephone number for fire reporting and location of fire alarms within or adjacent to work area.
- 1.4 FIRE WATCH .1 For hot work activity, the Contractor will provide the service of fire-watch persons on a scale and schedule as prescribed by the Dockyard Fire Hall at the time of issuance of the hot work permit.
- 1.5 FIRE EXTINGUISHERS .1 Provide and maintain in operational condition fire extinguishers as prescribed by the Formation Fire Chief.
- 1.6 SMOKING PRECAUTIONS .1 In accordance with these Fire Safety requirements particular to the work area and site, the Engineer and Formation Fire Chief will designate hazardous areas as well as non-restricted areas where smoking may be permitted.
- .2 Smoking is prohibited in all buildings.
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- 1.6 SMOKING PRECAUTIONS (Cont'd)
- .3 In all other areas, exercise care and comply with written or oral directives of the Engineer for the use of smoking materials.
- 1.7 REPORTING FIRE INCIDENTS
- .1 Report immediately all fire incidents as follows:
- .1 Activate nearest fire alarm, or
  - .2 Dial 9-1-1 or designated number given at the time of briefing.
  - .3 Telephone Engineer.
- .2 Persons activating fire alarm must remain at the alarm to direct the Fire Department to the scene of the fire.
- .3 When reporting a fire by telephone, give location of fire, name and number of building and be prepared to direct the Fire Department to the scene of the fire.
- 1.8 INTERIOR & EXTERIOR FIRE PROTECTION AND ALARM SYSTEM
- .1 Notify Formation Fire Chief at least 48 hours prior to scheduling any work that may require Fire Alarm and/or Protection Systems to be:
- .1 Obstructed in any way.
  - .2 Shut-off.
  - .3 Left inactive at the end of a working day or shift.
- .2 Do not commence any such work until Engineer confirms approval and direction by the Formation Fire Chief.
- .3 Fire hydrants, standpipes and hose systems must not be used for other than fire fighting purposes unless authorized by the Engineer and the Formation Fire Chief.
- 1.9 BLOCKAGE OF ACCESS FOR FIRE APPARATUS
- .1 Obtain approval of the Engineer and Formation Fire Chief 24 hours prior to commencing any work that by any means would impede access for fire fighting apparatus. Immediately notify the Engineer of any infringement on minimum vertical or horizontal clearances either inside or outside buildings, as prescribed by the Formation Fire Chief.
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1.10 RUBBISH &  
WASTE MATERIAL

- .1 Storage:
  - .1 Where it is necessary to store oily waste in work areas exercise extreme care to ensure maximum possible safety and cleanliness.
  - .2 Greasy or oily rags or materials subject to spontaneous combustion must be deposited and kept in a receptacle approved by the Formation Fire Chief and removed as directed by the Engineer.
- .2 The burning of rubbish is prohibited.
- .3 Removal:
  - .1 All rubbish must be removed from the work site at the end of the work day or shift or as directed by the Engineer.

1.11 FLAMABLE  
LIQUIDS

- .1 The handling, storage and use of flammable liquids are to be governed and guided by the requirements established by the Formation Fire Chief and in accordance with the approved Fire Safety Plan.
  - .2 Indoor storage of flammable liquids must not exceed thirty(30) litres provided that they are stored in areas and containers approved by the Formation Fire Chief.
  - .3 The Engineer reserves the right to require removal from the site any storage containers not acceptable to the Formation Fire Chief.
  - .4 The Engineer will not permit indoor storage of quantities of flammable liquids exceeding thirty(30) litres for on-site work purposes, without the written permission of the Formation Fire Chief.
  - .5 Transfer of flammable liquids within buildings is prohibited.
  - .6 Transfer of flammable liquids must not be carried out in the vicinity of open flames or any type of heat producing devices.
  - .7 Flammable liquids having a flash point below twenty-two(22) degrees C such as naphtha or gasoline must not be used as solvents or cleaning agents.
  - .8 Flammable waste liquids, for disposal, must be stored in approved containers located in a safe ventilated area. Quantities are not to exceed thirty(30) litres. Dumping or burning of flammable liquids on site is prohibited.
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1.12 HAZARDOUS  
SUBSTANCES

- .1 Exercise special precautions necessary to safeguard life and property from damage by fire or explosives.
- .2 If the work entails the use of any toxic or hazardous materials, chemicals or explosives, or otherwise creates a hazard to life, safety or health, work must be in accordance with the most recent edition of the requirements of the National Fire Code of Canada, and measures prescribed by the Formation Fire Chief.

1.13 HAZARDOUS  
HOT WORK

- .1 Prior to commencing any «Hot Work» involving open flame, burning, welding or heating, the Contractor must obtain a «hot work permit» issued by the Formation Fire Chief at the Dockyard Fire Hall, 427-3500.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

PART 1 - GENERAL

**CONTRACTOR MUST ENSURE THAT ALL THEIR PERSONNEL ARE FAMILIAR WITH THESE REGULATIONS AND REQUIREMENTS.**

- 1.1 GENERAL .1 The following is a summary of the security, safety and fire regulations of Canadian Forces Ammunition Depot, Bedford, as promulgated by the Base Commander, CFB Halifax and administered by the Superintendent CFAD Bedford NS.
- .2 Contractor's personnel will be subject to all of the regulations while working within confines of CFAD Bedford.
- 1.2 PRE JOB SECURITY AND SAFETY MEETING .1 Prior to commencement of work, the Contractor must meet with the Site Security, Safety and Fire Safety Regulations Officers. In accordance with direction of Engineer and these site officers, ensure that all employees of the Contractor are given thorough instructions on security, safety and fire precautions peculiar to an Ammunition Depot and that the regulations are fully compiled with, at all times, by all Contractor personnel.
- 1.3 SECURITY PASSES .1 Contractors must report to the NCO I/C Commissionaires at Building 153; submit names of all their personnel and description of all their vehicles to arrange the issue of the required temporary passes prior to proceeding to work within the the confines of the depot.
- 1.4 CONDITIONS FOR ACCESS .1 All visitors will be issued a daily pass and will be required to sign an acknowledgement that they are aware of and consent to the following conditions for access.
- .2 The person to whom this pass is issued agrees to return the pass to the Security Guard at the gate when the Contract or employment at CFAD Bedford expires.
- .3 All vehicles entering and leaving CFAD Bedford may be searched to ensure that no prohibited articles are taken into nor contraband articles are taken out of the Ammunition Depot.
- 1.5 FIRE SERVICE CFAD BEDFORD .1 Fire service at CFAD Bedford is provided by DND Fire Service from 0730 until 1600 hours, Monday to Friday. All Contract work will be ended by 1530 hours daily. Fire response at all other times is provided by HRM. Before any work is carried out during
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1.5 FIRE SERVICE .1  
CFAD BEDFORD  
(Cont'd)

(Cont'd)  
silent hours, the Dockyard Platoon Chief must be contacted at 427-0550, local 3500.

1.6 SEARCHES .1

The Canadian Corps of Commissionaires may conduct a personal search of individuals at any time within the Ammunition Depot. Vehicles entering or leaving the Depot may be searched to ensure that contraband articles are not taken into the Explosives Area and that property is not taken out without authorization.

1.7 ALARMS .1

**Depot Alarms:** A Siren is sounded only in the event of an emergency such as a fire, explosion, thunderstorm or evacuation. A Siren is also sounded to signify «All Clear».

.2

**Fire Emergency:** A series of «Hi-Lo» sounds on the Depot Alarm System signifies an emergency in the explosive area. Contractors must cease operations and proceed in their own vehicles to the nearest exit gate out of the explosive area. If no vehicle available proceed to the nearest «Fire Assembly Point» at Buildings 169 or 143.

.3

**Thunder and Lightning:** A series of «Beeps» on the Depot Alarm System signifies a thunder/lightning storm warning. Contractors must cease operations and proceed in their own vehicles to the nearest exit gate out of the explosive area. If no vehicle available proceed to the nearest «Fire Assembly Point» at Buildings 169 or 143.

.4

**Evacuation:** A series of «Slow Whoops» on the Depot Alarm System signifies that evacuation in the explosive area has been ordered by the Superintendent. The evacuation could be extended to include the non-explosive area as well as so ordered by the Superintendent.

.5

**All Clear:** A continuous blast on the Depot Alarm System signifies that the emergency situation is «All Clear».

1.8 REPORTING OF .1  
FIRES

All fires, regardless of whether they have been extinguished or not, must be reported immediately to the Base Fire Department.

.2

All Contractors and employees must familiarize themselves with the locations of the nearest fire alarm box or telephone.

.3

Fires may be reported by ringing the nearest street alarm box or by telephoning 911. Persons reporting the fire must remain at the alarm box or telephone until the Fire Department arrives and be prepared to direct Fire Fighters to the scene of the fire.

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1.9 PROHIBITED  
ARTICLES

- .1 The following articles are prohibited and/or controlled from being taken inside the explosive area. Permission by the Superintendent may be granted for certain articles:
- .1 Matches or other flame producing equipment(including vehicle lighters);
  - .2 Pipes, smoking appliances, tobacco products, or smoking materials in any form;
  - .3 Explosives or chemicals;
  - .4 Lights, lamps or electrical devices/tools which are not explosion proof;
  - .5 Cameras;
  - .6 Food and drink; and
  - .7 Radio transmitting devices(i.e. mobile radios, cellular phones, remote car starters, and garage door openers, etc).
- .2 No persons will introduce, possess or consume alcoholic beverages, narcotics or any intoxicant within the confines of the Ammunition Depot.
- .3 The site security officers will seize and hold at the gate, any such materials found by search.

1.10 SAFETY AND  
FIRE REGULATIONS

- .1 **Smoking:** Is strictly prohibited in explosive areas.
- .2 **Buildings:** Smoking is prohibited in all buildings.
- .3 **Safety Precautions Electrical/Electronic Equipment:** All personnel operating or maintaining electrical/electronic equipment involving the use of voltage higher than 50V must brief the Site Safety and Fire Safety Officers concerning all safety rules in the operating and instructional manuals covering the equipment.
- .4 **Flammables, Explosives or Chemicals:** As required, may be allowed into the explosive area provided that the Depot Safety Officer and the Depot Fire Department are made aware of this and that approval by the Superintendent is given. These items after approval may be transported by the Contractors provided the transportation route is known by the Depot Fire Department and adequate fire extinguishers are available.
- .5 **Open Flame or Welding:** Prior approval must be obtained before commencing any work involving cutting, welding or use of open flame appliances in or around buildings containing explosives. The Fire Safety Officer will check out the work area and ensure
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1.10 SAFETY AND  
FIRE REGULATIONS  
(Cont'd)

- .5 Open Flame or Welding:(Cont'd)  
that adequate fire extinguishers and first aid appliances are available and that fire watchers have been posted.
- .6 **Fuel Dispensing Containers:** Contractors must ensure that all of their fuel dispensing containers meet or exceed the following standards:
  - .1 Type II safety container, leakproof, Terne plate construction, UL listed and FM approved.
  - .2 Container must have spring-operated spout cap which opens to allow vapours to escape and self closes on release of internal pressures.
  - .3 Container must have flexible or rigid built-in metal dispensing nozzle to prevent static sparks.
  - .4 Standard of Acceptance: Protectoseal, Model Nos. 247, 249, 8410 and 8420.
  - .5 Other acceptable products: Safe-T-Way.
  - .6 Any other model must be approved by the BFC.
  - .7 Violation of any of the above regulations will result in immediate cancellation of the offender's Security Pass and expulsion from the site.

1.11 TRAFFIC  
REGULATIONS

- .1 **Vehicles:** All operators must adhere strictly to the following rules while proceeding through the Ammunition Depot.
    - .1 Drivers must not leave the motors of their vehicles running or leave the vehicles unattended when parked between buildings or traverses.
    - .2 Drivers must not drive vehicles in the direction opposite to that indicated by the «One-Way» signs.
    - .3 No one will operate a vehicle within the Depot area at a speed greater than 25 kilometers per hour at any time.
    - .4 No one will operate a vehicle within the Depot area at a speed greater than 8 kilometers per hour at any time, while passing between blast walls and buildings.
    - .5 No one will leave a vehicle unattended within 10 metres of a fire hydrant or within 30 metres of a building containing explosives.
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1.11 TRAFFIC  
REGULATIONS  
(Cont'd)

- .1 Vehicles:(Cont'd)
  - .6 All vehicles must be equipped with a fire extinguisher of a suitable size and type so that it may be used to extinguish any fire originating in that vehicle.
  - .7 Violation of any of the above regulations will result in immediate cancellation of the offender's Vehicle Pass and expulsion from the site.
- .2 **Roadways:** In the event of a fire or emergency all roads and buildings within CFAD Bedford must be accessible at all times. Contractors required to disrupt roadways during the course of their work, must ensure that at least one lane of each roadway is passable, at all times. Vehicles not required to transport personnel to the nearest exit gate must be parked on the side of the road and away from the nearest building.
- .3 **Fueling:** Fueling of vehicles within the explosive areas is prohibited. Small equipment(lawn mowers, chainsaws, etc.) may be re-fueled, but only at sites designated by the Safety Officer and Fire Safety Officer. Comply with all safety practices pertaining to re-fueling hot equipment. Provide adequate fire extinguishers of types prescribed by the Fire Safety Officer. Only approved safety dispensing containers, as specified at sub-paragraph 1.10.6, will be permitted within the confines of the Ammunition Depot.
- .4 Violation of any of the above regulations will result in immediate cancellation of the vehicle pass and expulsion of the offender from the site.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

PART 1 - GENERAL

- 1.1 ACTS AND REGULATIONS
- .1 Canadian Environmental Protection Act, 1999
    - .1 Federal Halocarbon Regulations, 2003
    - .2 Ozone-depleting Substances Regulations, 1998
    - .3 NS Environment Act(1994-95, c. 1, s. 1.)
      - .1 Section 112 of the Environment Act S.N.S. 1994-95, c. 1
- 1.2 DESCRIPTION OF UNITS
- .1 The various models of chiller units are intended to include the chiller complete with condenser, cooling tower/fan, motor and compressor, oil system and accessories, such as controls, all filters, sensors, valves, vents, gauges, piping, strainers, and wiring.
- 1.3 SERVICE CALLS
- .1 It will be the responsibility of the Contractor to take care of all service calls during the period of this Standing Offer, and give uninterrupted service for the chiller as specified. No extra charge will be honored for re-occurring service calls or clean-ups make during the season because of failure of the Contractor to do thorough clean-up, adjustments, inspections or parts replacement at the initial overhaul.
  - .2 A list of persons authorized to place service calls will be supplied to the Contractor.
  - .3 Response time must not exceed two(2) hours for operational repairs, and one(1) hour for emergency repairs.
- 1.4 MATERIALS
- .1 All replacement parts must be either new or tradeline factory reconditioned of the proper type, and size to provide dependable and efficient operation.
- 1.5 SUB-CONTRACTORS
- .1 In the event that Contractor utilizes a Sub-Contractor, who must be approved by the Engineer, such Sub-Contractor must comply with all requirements of this specification, as if it were his/her own contract.
  - .2 No payment will be made by DND to/for any Sub-Contractor. The main Contractor will be responsible for all sub-contractors hired by his/her company in reference to payments, etc.
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1.5  
SUB-CONTRACTORS  
(Cont'd)

- .3 If a Sub-Contractor is rejected by the Engineer, such Sub-Contractor must be replaced immediately to the satisfaction of the Engineer.

1.6 ENVIRONMENTAL

- .1 All Work is to be performed in accordance with the latest Federal Environmental Protection Act, Federal Halocarbon Regulations and the Provincial Environmental Acts and Regulations.
- .2 No refrigerant is to be discharged to atmosphere, used to flush or purge systems, used as a cleanser or used for leak detection.
- .3 The Contractor must have or have access to refrigerant reclamation unit and be trained in its use and operation.
- .4 No appliance is to be discarded while containing refrigerant or oil.
- .5 All accidental discharges must be reported to the Engineer.
- .6 If equipment has had a loss of refrigerant, a leak test must be completed before system is made operational and a leak test notice has to be posted on the piece of equipment.

1.7 RELEASE  
REPORTS

- .1 Contractor is to provide to the Engineer, all information pertaining to a release of halocarbon as set out in the Federal Halocarbon Regulations.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.