



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada

1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scotia
B3J 1T3
Bid Fax: (902) 496-5016

**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 Submarine Battery Chargers	
Solicitation No. - N° de l'invitation W355B-201768/A	Date 2020-12-16
Client Reference No. - N° de référence du client W355B-20-1768	
GETS Reference No. - N° de référence de SEAG PW-\$HAL-218-11153	
File No. - N° de dossier HAL-9-83254 (218)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Daylight Saving Time ADT on - le 2021-01-19 Heure Avancée de l'Atlantique HAA	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Conrad, Darren	Buyer Id - Id de l'acheteur hal309
Telephone No. - N° de téléphone (902) 403-8584 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE MARITIME FORCES ATLANTIC DOOR 13 BLDG D-200 HALIFAX NOVA SCOTIA B3K5X5 Canada	

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

Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scot
B3J 1T3

Delivery Required - Livraison exigée See Herein – Voir ci-inclus	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

Solicitation No. - N° de l'invitation
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Amd. No. - N° de la modif.
File No. - N° du dossier
HAL-9-83254

Buyer ID - Id de l'acheteur
HAL218
CCC No./N° CCC - FMS No./N° VME

IMPORTANT NOTICE TO BIDDERS

Security

This notice is to advise ALL interested bidders that in order to be awarded a contract which contains a security requirement, all bidders MUST hold a valid Security Clearance granted or approved by PWGSC Canadian Industrial Security Directorate (CISD) at the level indicated in this solicitation document. Should the bidder not currently hold a valid Security Clearance or require the level to be upgraded, PWGSC will sponsor the bidder. Please submit your written request with the following information to Darren Conrad by facsimile 902-403-8584 or by e-mail to Darren.Conrad@pwgsc-tpsgc.gc.ca

- Legal Company Name
- Mailing address
- Surname and given name of contact person
- Telephone number of contact person
- Title of contact person
- Facsimile number
- E-mail address of contact person
- Procurement Business Number
- Preferred Language of correspondence
- Level of Security Required

Additional information on PWGSC security can be found on the following web site:
<http://ssi-iss.tpsgc-pwgsc.gc.ca> or by dialing 1-866-368-4646 (Toll free).

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

1. Before award of a contract, the following conditions must be met:
 - (a) the Bidder must hold a valid organization security clearance as indicated in Part 6 - Resulting Contract Clauses;
 - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 6 - Resulting Contract Clauses;
 - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites.
2. For additional information on security requirements, Bidders should refer to the [Contract Security Program of Public Works and Government Services Canada \(http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html\)](http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html) website.

1.2 Statement of Requirement

The Contractor must perform the Work in accordance with the Statement of Requirement at Annex A.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual \(https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual\)](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](#) (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids

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

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in Nova Scotia (NS) the email address is:

TPSGC.RAReceptionSoumissionsNE-ARBidReceivingNS.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Nova Scotia.

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.

2.5 Bid Challenge and Recourse Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:

- Office of the Procurement Ombudsman (OPO)

- Canadian International Trade Tribunal (CITT)

(c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (1) hard copy

Section II: Financial Bid (1) hard copy

Section III: Certifications (1) hard copy

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of hard copy 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability 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

3.1.1 Bidders must submit their financial bid in accordance with the Basis of Payment in Annex B.

3.1.2 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex D Electronic Payment Instruments, to identify which ones are accepted.

If Annex D Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

To be considered responsive, a bid must meet all of the mandatory evaluation criteria. Bids not meeting all of the mandatory requirements will be given no further consideration.

Bidders must complete Annex B and provide documentation that demonstrates that they meet each criteria.

4.1.2 Financial Evaluation

SACC Manual Clause [A0222T](#) (2014-06-26), Evaluation of Price-Canadian/Foreign Bidders

Bidders must complete Annex D.

4.2 Basis of Selection

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex titled Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 The following security requirements (SRCL and related clauses provided by the Contract Security Program) apply and form part of the Contract.

SECURITY REQUIREMENTS FOR FOREIGN SUPPLIERS

PWGSC FILE #: W355B-201768, REQUEST FOR PROPOSAL (RFP), RELIABILITY, SITE ACCESS

The following foreign security clauses must be inserted into the solicitation documentation:

The Canadian Designated Security Authority (Canadian DSA) for industrial security matters in Canada is the Industrial Security Sector (ISS), Public Works and Government Services Canada (PWGSC), administered by International Industrial Security Directorate (IISD), PWGSC. The Canadian DSA is the authority for confirming Contractor/Subcontractor compliance with the security requirements for foreign suppliers. The following security requirements apply to the foreign recipient Contractor/Subcontractor incorporated or authorized to do business in a jurisdiction other than Canada and delivering outside of Canada the services listed and described in the subsequent contract/subcontract.

1. The Foreign recipient Contractor/Subcontractor must be from a Country within the North Atlantic Treaty Organization (NATO), the European Union (EU) or from a country with which Canada has an international bilateral security instrument. The Contract Security Program (CSP) has international bilateral security instruments with the countries listed on the following PWGSC website:
<http://www.tpsgc-pwgsc.gc.ca/esc-src/international-eng.html>.
2. The Foreign recipient Contractor/Subcontractor must, at all times during the performance of the contract/subcontract, hold an equivalence to a valid Designated Organization Screening (DOS), issued by the Canadian DSA as follows:
 - i. The Foreign recipient Contractor/Subcontractor must provide proof that they are incorporated or authorized to do business in their jurisdiction.
 - ii. The Foreign recipient Contractor/Subcontractor must not begin the work, services or performance until the Canadian Designated Security Authority (DSA) is satisfied that all contract security requirement conditions have been met. Canadian DSA confirmation must be provided, in writing, to the foreign recipient Contractor/Subcontractor in an Attestation Form, to provide confirmation of compliance and authorization for services to be performed.
 - iii. The Foreign recipient Contractor/Subcontractor must identify an authorized Contract Security Officer (CSO) and an Alternate Contract Security Officer (ACSO) (if applicable) to be responsible for the overseeing of the security requirements, as defined in this contract. This individual will be appointed by the proponent foreign recipient Contractor's/Subcontractor's Chief Executive officer or Designated Key Senior Official, defined as an owner, officer, director, executive, and or partner who occupy a position which would enable them to adversely affect the organization's policies or practices in the performance of the contract/subcontract.
 - iv. The Foreign recipient Contractor/Subcontractor must not permit access to Canadian restricted sites, except to its personnel subject to the following conditions:
 - a. Personnel have a need-to-know for the performance of the contract/subcontract;
 - b. Personnel have been subject to a Criminal Record Check, with favourable results, from a

- recognized governmental agency or private sector organization in their country as well as a Background Verification, validated by the Canadian DSA;c. The Foreign recipient Contractor/Subcontractor must ensure that personnel provide consent to share results of the Criminal Record and Background Checks with the Canadian DSA and other Canadian Government Officials, if requested; and
- d. The Government of Canada reserves the right to deny access to Canadian restricted sites to a foreign recipient Contractor/Subcontractor for cause.
3. CANADA PROTECTED information/assets provided or generated pursuant to this contract/subcontract must not be further provided to a third party Foreign recipient Subcontractor unless:
- a. written assurance is obtained from the Canadian DSA to the effect that the third-party Foreign recipient Subcontractor has been approved for access to CANADA PROTECTED information/assets by the Canadian DSA; and
 - b. written consent is obtained from the Canadian DSA, if the third-party Foreign recipient Subcontractor is located in a third country.
4. The foreign recipient Contractor/Subcontractor requiring access to Canadian restricted sites, under this contract/subcontract, must submit a Request for Site Access to the Chief Security Officer of Name of Department/Organization of Canada.
5. In the event that a Foreign recipient Contractor/Subcontractor is chosen as a supplier for this contract/subcontract, subsequent country-specific foreign security requirement clauses must be generated and promulgated by the Canadian DSA, and provided to the Government of Canada Contracting Authority, to ensure compliance with the security provisions, as defined by the Canadian DSA, in relation to equivalencies.
6. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of the Canadian DSA.
7. The Foreign recipient Contractor/Subcontractor must comply with the provisions of the Security Requirements Check List attached at Annex E.

6.2 Statement of Requirement

The Contractor must perform the Work in accordance with the Statement of Requirement at Annex A.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

[2010A](#) (2020-05-28), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

6.4.2 Delivery Date

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

6.4.3 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex D of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within **twelve (12) months** after contract award by sending a written notice to the Contractor.

6.4.4 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex A of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Darren Conrad
Supply Specialist

Public Services and Procurement Canada
Atlantic Region - Acquisitions Directorate
1713 Bedford Row
Halifax, Nova Scotia
B3J 3C9

Telephone: 902-403-8584
Facsimile: 902-496-5016
E-mail address: Darren.Conrad@pwgsc-tpsgc.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.

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.

6.5.2 Project Authority

The Project Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative (BIDDER TO COMPLETE)

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit prices, as specified in Annex D- Basis of Payment for a cost of \$ _____ (amount to be inserted at contract award). Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.2 Limitation of Price

SACC Manual clause C6000C (2017-08-17) Limitation of Price

6.6.3 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;

- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.6.4 Exchange Rate Fluctuation

SACC Manual clause C3011T (2013-11-06), Exchange rate Fluctuation

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

6.8 Certifications and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

6.9 Applicable Laws

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

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions [2010A](#) (2020-05-28), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Statement of Requirement;
- (d) Annex B, Cross Reference;
- (e) Annex D, Basis of Payment;
- (f) Annex E, Security Requirements Check List;
- (g) the Contractor's bid dated _____ (*insert date of bid*).

6.11 Defence Contract

SACC Manual clause [A9006C](#) (2012-07-16), Defence Contract

6.12 Insurance

SACC Manual clause [G1005C](#) (2016-01-28) Insurance – No Specific Requirement

6.13 Canadian Forces Site Regulations

SACC Manual clause [A9062C](#) (2011-05-16), Canadian Forces Site Regulations

6.14 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "[Dispute Resolution](#)".

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ANNEX A

STATEMENT OF REQUIREMENT

See attached.

ANNEX B

CROSS REFERENCE

SUBMARINE SUPPORT BATTERY CHARGING SYSTEM

Instructions: Bidders should include two (2) copies of descriptive literature; if available, for the item(s) offered in sufficient detail to clearly indicate compliance with each of the individual requirements from the Statement of Requirement (SOR) detailed herein.

Bidders should cross reference the page number and highlight the specification in your technical data sheets or brochure to demonstrate and support your compliance for each of the Mandatory Technical Criteria within the SOR. You may add any comments to support your bid.

It will be to your advantage to furnish as much detail as possible to support your comments and your claims of compliance for each specification.

NOTE: The Crown is under NO obligation to seek clarification of the bid(s) or the supporting technical documentation provided. Failure to meet any of the following will render your proposal non-compliant and will be given no further consideration.

NO.	SPECIFICATIONS	PAGE NUMBER OR CROSS REFERENCE	COMMENT(S)
2	a) Quantity = three (3) chargers in total		
	b) The charger must be solid state based as rotary based equipment will not be accepted.		
	c) The charger will be of constant current/constant voltage design.		
	d) All controls, connection points, and electrical connections will be located within the perimeter of the chargers frame.		
	e) The charger will have all the operator controls located on one side of the unit. Controls will be ergonomically located and within easy reach without requiring the operator to move to multiple locations on the unit.		
	f) Soft Start with batteries disconnected		
	g) Modular Design to facilitate troubleshooting, maintenance, and reduce downtime.		

NO.	SPECIFICATIONS	PAGE NUMBER OR CROSS REFERENCE	COMMENT(S)
	h) Automatic Restart to Float Mode after loss and restoration of AC input power		
	i) Easily replaceable printed circuit boards		
	j) Manual selection of float or equalize charge mode		
	k) Must be suitable for continuous operation		
	l) System efficiency must be ninety percent (90%) or greater		
3 a)	Charger #1: High Capacity up to 240 Cells		
	i) Voltage: 4160Vac		
	ii) Number of Phases: 3 ϕ		
	iii) Frequency: 60 Hz		
	iv) Current: 300Aac - maximum,		
3 b)	Charger #2: High Capacity up to 240 Cells		
	i) Voltage: 4160Vac		
	ii) Number of Phases: 3 ϕ		
	iii) Frequency: 60 Hz		
	iv) Current: 200Aac – maximum.		
3 c)	Charger #3: Low Capacity up to 10 Cells.		
	i) Voltage: 208Vac,		
	ii) Number of Phases: 3 ϕ		
	iii) Frequency: 60 Hz		
	iv) Current 125Aac maximum		
4 a)	Charger #1: High Capacity up to 240 Cells		
	i) Voltage: zero to 750Vdc variable		
	ii) Current: zero to 2500Adc variable		
	iii) Current Limit Adjust: 90% to 115% of Full Load, rated output to be maintained		
	iv) Ripple: <2.5%		
4 b)	Charger #1: High Capacity up to 240 Cells		
	i) Voltage: zero to 750Vdc variable		
	ii) Current: zero to 2500Adc variable		
	iii) Current Limit Adjust: 90% to 115% of Full Load, rated output to be maintained		
	iv) Ripple: <2.5%		
4 c)	Charger #3: Low Capacity up to 10 Cells		
	i) Voltage: zero to 28Vdc variable		

NO.	SPECIFICATIONS	PAGE NUMBER OR CROSS REFERENCE	COMMENT(S)
	ii) Current: zero to 700A dc variable		
	iii) Current Limit Adjust: 90% to 115% of Full Load, rated output to be maintained		
	iv) Ripple: <1.5%		
5	a) The front panel on the DC Charger must provide for full manual control of the charger		
	b) DC Output circuit breaker must be rated at 25kAIC at minimum		
	c) Digital DC Voltmeter		
	d) Digital DC Ammeter		
	e) Current trim adjust		
	f) Voltage trim adjust		
	g) Float Level Control Potentiometer		
	h) Equalize Level Control Potentiometer		
	i) Equalizing Timer (0 to 100 hours minimum) operable in the manual equalize mode		
	j) Float/Equalize Selector Switch		
	k) Auto-Equalize Timer		
	l) Input Source Circuit Breaker		
	m) Power On Pushbutton/Switch		
	n) Run indicator		
	o) Power Off Pushbutton/Switch		
	p) Emergency Stop function		
	q) Reset Pushbutton		
	r) Float/Equalize Push Buttons		
	s) AC Power Available Indicator		
	t) Float Charge Selected Indicator		
	u) Equalize Charge Selected Indicator		
	v) Over Current indicator		
	w) DC Overvoltage Alarm Indicator		
	x) DC Under voltage Alarm Indicator		
	y) Fault Indicator		
	z) Fault Summary/history		
	aa) Alarms must be audible and visual		
	bb) Over temperature Indicator		

NO.	SPECIFICATIONS	PAGE NUMBER OR CROSS REFERENCE	COMMENT(S)
6	a) Remote control can be implemented using a portable control panel manufactured by the vendor or a software system installed on a portable pc based system.		
	b) Must have at minimum, the same functionality as on the front panel of the battery charger.		
	c) Must have an emergency stop function		
	d) Remote control must provide data logging of charge parameters and charging curves and allow programming of charge profiles.		
	e) Remote control device must be connected to the charger using a control cable 50m long. Control cable must be:		
	i) supplied with the control device		
	ii) removable for storage		
	iii) replaceable		
	f) Remote Control must display the following parameters:		
	i) Output Voltage Set Point		
	ii) Output Voltage Actual		
	iii) Output Current Set Point		
	iv) Output Current Actual		
	v) Float Level Control		
	vi) Equalize Level Control		
	vii) Equalizing Timer (0 to 100 hours minimum) operable in the manual equalize mode		
	viii) Float/Equalize Selection		
	ix) Auto-Equalize Timing		
	x) Input Source Status		
	xi) Fault Conditions		
	xii) Alarm Conditions		
	7 a) AC Supply Circuit Breaker rated at 25kAIC minimum		
	b) AC and DC transient voltage protection in accordance with IEEE C37.90.1		

NO.	SPECIFICATIONS	PAGE NUMBER OR CROSS REFERENCE	COMMENT(S)
	c) Automatic restart to float mode after input voltage interruption		
	d) Over current/Overload : up to 125% for ten minutes		
	e) Over voltage		
	f) Over temperature		
	g) Reverse current limited to 0.1% of the charger rating		
	h) Blocking diodes must be provided to block back-feed through charger if an AC power failure were to occur		
	i) Ground fault detection and indication		
8	a) Enclosure Type: - NEMA 12, indoor, freestanding		
	b) Audible Noise Level: - Less than 80 dB at 1.5 m		
	c) Cooling to be done through forced air convection		
	i) If additional cooling is required, chiller unit must be provided by vendor and included in pricing.		
	ii) Chilling unit specification must be provided to FMFCS with tender submission package, and must be approved by FMFCS		
	iii) 3 Connections for Negative		
9	a) The vendor must size all equipment such that it can be moved through a double door with dimensions: of 2100mm high and 1775 mm wide		
	b) The maximum available footprint for the equipment is located against a wall and has dimensions of 4470mm wide and 2285mm deep		
	c) All electrical connections must be accessible from the front or top of the equipment as all equipment will be placed against a wall.		
10	Electrical Certification		
15	Warranty		
16	a) Bidder must be capable of providing a service response time of 3 business days after receiving a service request from DND. Bidder is required to provide a contact number and location for their approved service provider.		

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NO.	SPECIFICATIONS	PAGE NUMBER OR CROSS REFERENCE	COMMENT(S)
	b) Bidder must provide a list of recommended spare parts and the current cost to DND. The list of spare parts must include:		
	i) Bidders part number		
	ii) Manufacturers name		
	iii) Manufacturers Part Number		
16	References/Previous Experience		

ANNEX C

BATTERY TECHNICAL DATA

Battery discharge rates.

Duration of Discharge (Hours)	Rate of Discharge (Amps)	Capacity (Amps-Hrs)	Minimum Final Voltage	Means Volts per Cell	Cell Output (Kwh)
1	6080	6080	1.46	1.68	10.21
3	2730	8190	1.61	1.85	15.15
5	1800	9000	1.67	1.89	17.01
10	1000	10000	1.73	1.94	19.40
20	550	11000	1.77	1.96	21.56
40	296	11840	1.79	1.97	23.32
60	206	12360	1.80	1.98	24.47
100	128	12800	1.80	1.985	25.40

Charging rates

Milestone/Charge Rate	Charge Rate (Amp)	Voltage per cell / Voltage for 240 cells	Notes
Starting Rate	1400 Amps (or less)		If SG>1.200, this is the max allowable starting rate
	1400 – 1900 Amps		If SG≤1.200, higher starting rate is allowed
	1900+ Amps		If SG≤1.200 and high charge rate is required, use “Rapid Charge” guidance
“Initial”	Starting rate current,	2.4V / 576V	The term “Initial” indicates “initial reduction”, which is a charging rate reduction from the starting rate to the intermediate rate
Intermediate Rate	950 Amps		The rate used to bring the battery voltage back to 2.4V (576V for 240 cells)
“Final”	Depends on charge method used	2.4V / 576V	The term “Final” indicates “Final Reduction”, which is a charging rate reduction from the intermediate rate to the finishing rate
Finishing Rate	325 Amps		The rate used for the remainder of the charge
Gassing point	325 Amps	2.4V / 576V	The conditions where you can reasonably assume that some cells will be gassing
Timing Point	325 Amps	2.5V / 600V	The conditions where you can expect that all cells are gassing freely

Charging routines and gassing hours

Charge Type	Gassing Hours	Comments
Operational Charge	0	Charge until "initial" or "final" without gassing
Extended Operational Charge	1-4	When Normal cannot be achieved but gassing hours can
Normal Charge	4	Charge using appropriate method to gas for 4 hours
Equalising Charge	6+	Until no voltage increase for 4 hours, AND no SG increase in one hour
Rapid Charge	0	Charge at highest allowable rate without gassing
Partial Charge	0	Charge to any point as ops permit without gassing
Rapid and Partial Charge	0	Combination of fast and short charges without gassing
Mixing Charge	2-3	Conducted following a top up to ensure proper mixing of electrolyte

Charging schedule

	Partial Charge	Normal Charge	Equalising Charge	Conditioning Discharge (D4)
(a) Battery in regular service	As required	Monthly	Monthly (midway between normal charges)	Quarterly
(b) Battery lightly worked	None required	Monthly	Monthly (midway between normal charges)	Quarterly
(c) Idle Battery	None required	None required	Monthly	Quarterly

ANNEX D

BASIS OF PAYMENT

The prices are in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, DDP Incoterms 2000, Canadian Customs Duties Taxes included.

Table A - Firm Requirement

ITEM	U of I	QTY	UNIT PRICE	EXTENDED
Charger #1: High Capacity up to 240 Cells as fully detailed in Annex Make and Model:	EA	1	\$	\$
Charger #2: High Capacity up to 240 Cells as fully detailed in Annex Make and Model:	EA	1	\$	\$
Charger #3: Low Capacity up to 10 Cells as fully detailed in Annex Make and Model:	EA	1	\$	\$
Commissioning, and start-up of the originally supplied systems.	EA	1	\$	\$
Maintenance Training	EA	1	\$	\$
Operator Training	EA	1	\$	\$
One (1) CSA or equivalent certification per charger,	EA	3	\$	\$
			TOTAL	

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Table B - Optional Requirement for FMF Cape Breton, CFB Esquimalt

ITEM	U of I	QTY	UNIT PRICE	EXTENDED
Charger #1 or #2: High Capacity up to 240 Cells as fully detailed in Annex Make and Model:	EA	1	\$	\$
Commissioning, and start-up of the originally supplied systems.	EA	1	\$	\$
Maintenance Training	EA	1	\$	\$
Operator Training	EA	1	\$	\$
One (1) CSA or equivalent certification per charger,	EA	1	\$	\$
			TOTAL	\$

BID

Table A Total	\$
Table B Total	\$
Total Bid	\$

Provide Best Delivery Date for Items in Table A	
--	--

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ANNEX E

SECURITY REQUIREMENTS CHECK LIST

See attached.

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ANNEX F to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

ANNEX G to PART 5 OF THE BID SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\)-Labour's](#) website.

Date: _____(YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a [federally regulated employer](#) being subject to the [Employment Equity Act](#).
- A4. The Bidder certifies having a combined work force in Canada of less than 100 permanent full-time and/or permanent part-time employees.
- A5. The Bidder has a combined workforce in Canada of 100 or more employees; and
 - A5.1. The Bidder certifies already having a valid and current [Agreement to Implement Employment Equity](#) (AIEE) in place with ESDC-Labour.

OR

- A5.2. The Bidder certifies having submitted the [Agreement to Implement Employment Equity](#) (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

OR

- B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

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ANNEX H

LIST OF NAMES

In accordance with Part 5, Article 5.2.1 – Integrity Provision – List of Names, please complete the Form below.

Complete Legal Name of Company	
Company's address	
Company's Procurement Business Number (PBN)	
Solicitation number	
Board of Directors (Use Format – first name last name) Or put the list as an attachment	
1. Director	
2. Director	
3. Director	
4. Director	
5. Director	
6. Director	
7. Director	
8. Director	
9. Director	
10. Director	
Other members	
Comments	

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1) GENERAL OVERVIEW

- a) Fleet Maintenance Facility Cape Scott (FMFCS) charges and services large high capacity batteries used in the Victoria Class submarines. The facility is required to charge single cell and multiple cell configurations. FMFCS intends to acquire new equipment to replace the existing systems. Two types of systems are required. The first system configuration will be used to charge up to 240 cells and is required to provide up to 2500A_{dc} at an output voltage up to 800V_{dc}. The second system will be used to charge a maximum of ten cells and is required to produce up to 700A_{dc} at 28V_{dc}.
- b) Annex A, Battery Technical Data is provided as a reference to the bidder. The bidder is required to quote a complete system that will utilize the designate source voltage and provide the required output. A complete system will consist of the charger and any required equipment (ie: transformer, disconnect switch) to convert the available AC Voltage feed to a voltage level used by the system. If an external transformer is utilized than a rated fused disconnect switch must be installed on the input to the transformer.
- c) All requirements in this specification are mandatory, and any equipment not having all of the specified requirements will be considered incomplete, and will not be accepted.

2) GENERAL SPECIFICATION

- a) Quantity = three (3) chargers in total
- b) The charger must be solid state based as rotary based equipment will not be accepted.
- c) The charger will be of constant current/constant voltage design.
- d) All controls, connection points, and electrical connections will be located within the perimeter of the chargers frame.
- e) The charger will have all the operator controls located on one side of the unit. Controls will be ergonomically located and within easy reach without requiring the operator to move to multiple locations on the unit.
- f) Soft Start with batteries disconnected
- g) Modular Design to facilitate troubleshooting, maintenance, and reduce downtime.
- h) Automatic Restart to Float Mode after loss and restoration of AC input power
- i) Easily replaceable printed circuit boards
- j) Manual selection of float or equalize charge mode
- k) Must be suitable for continuous operation
- l) System efficiency must be ninety percent (90%) or greater

3) CHARGER INPUT PARAMETERS SPECIFICATION

- a) Charger #1: High Capacity up to 240 Cells
 - i) Voltage: 4160V_{ac}
 - ii) Number of Phases: 3 ϕ
 - iii) Frequency: 60 Hz
 - iv) Current: 300A_{ac} maximum

- b) Charger #2: High Capacity up to 240 Cells
 - i) Voltage: 4160V_{ac}
 - ii) Number of Phases: 3 ϕ
 - iii) Frequency: 60 Hz
 - iv) Current: 200A_{ac} maximum

- c) Charger #3: Low Capacity up to 10 Cells
 - i) Voltage: 208V_{ac}
 - ii) Number of Phases: 3 ϕ
 - iii) Frequency: 60 Hz
 - iv) Current: 125A_{ac} maximum

4) OUTPUT SPECIFICATION

- a) Charger #1: High Capacity up to 240 Cells
 - i) Voltage: zero to 800V_{dc} variable
 - ii) Current: zero to 2500A_{dc} variable
 - iii) Current Limit Adjust: 90% to 115% of Full Load, rated output to be maintained
 - iv) Ripple: <2.5%

- b) Charger #2: High Capacity up to 240 Cells
 - i) Voltage: zero to 800V_{dc} variable
 - ii) Current: zero to 2500A_{dc} variable
 - iii) Current Limit Adjust: 90% to 115% of Full Load, rated output to be maintained
 - iv) Ripple: <2.5%

- c) Charger #3: Low Capacity up to 10 Cells
 - i) Voltage: zero to 28V_{dc} variable
 - ii) Current: zero to 700A_{dc} variable
 - iii) Current Limit Adjust: 90% to 115% of Full Load, rated output to be maintained
 - iv) Ripple: <1.5%

5) FRONT PANEL DEVICES/INSTRUMENTATION

- a) The front panel on the DC Charger must provide for full manual control of the charger
- b) DC Output circuit breaker must be rated at 25kAIC at minimum
- c) Digital DC Voltmeter
- d) Digital DC Ammeter
- e) Current trim adjust
- f) Voltage trim adjust
- g) Float Level Control Potentiometer
- h) Equalize Level Control Potentiometer
- i) Equalizing Timer (0 to 100 hours minimum) operable in the manual equalize mode
- j) Float/Equalize Selector Switch
- k) Auto-Equalize Timer
- l) Input Source Circuit Breaker
- m) Power On Pushbutton/Switch
- n) Run indicator
- o) Power Off Pushbutton/Switch
- p) Emergency Stop function
- q) Reset Pushbutton
- r) Float/Equalize Push Buttons
- s) AC Power Available Indicator
- t) Float Charge Selected Indicator
- u) Equalize Charge Selected Indicator
- v) Over Current indicator
- w) DC Overvoltage Alarm Indicator
- x) DC Under voltage Alarm Indicator
- y) Fault Indicator
- z) Fault Summary/history
- aa) Alarms must be audible and visual
- bb) Over temperature Indicator

6) REMOTE CONTROL

- a) Remote control can be implemented using a portable control panel manufactured by the vendor or a software system installed on a portable pc based system.
- b) Must have at minimum, the same functionality as on the front panel of the battery charger.
- c) Must have an emergency stop function
- d) Remote control must provide data logging of charge parameters and charging curves and allow programming of charge profiles.
- e) Remote control device must be connected to the charger using a control cable 50m long. Control cable must be:
 - i) supplied with the control device
 - ii) removable for storage

iii) replaceable

- f) Remote Control must display the following parameters:
- i) Output Voltage Set Point
 - ii) Output Voltage Actual
 - iii) Output Current Set Point
 - iv) Output Current Actual
 - v) Float Level Control
 - vi) Equalize Level Control
 - vii) Equalizing Timer (0 to 100 hours minimum) operable in the manual equalize mode
 - viii) Float/Equalize Selection
 - ix) Auto-Equalize Timing
 - x) Input Source Status
 - xi) Fault Conditions
 - xii) Alarm Conditions

7) PROTECTION DEVICES

- a) AC Supply Circuit Breaker rated at 25kAIC minimum
- b) AC and DC transient voltage protection in accordance with IEEE C37.90.1
- c) Automatic restart to float mode after input voltage interruption
- d) Over current/Overload : up to 125% for ten minutes
- e) Over voltage
- f) Over temperature
- g) Reverse current limited to 0.1% of the charger rating
- h) Blocking diodes must be provided to block back-feed through charger if an AC power failure were to occur
- i) Ground fault detection and indication

8) MECHANICAL/ENVIRONMENTAL SPECIFICATIONS

- a) Enclosure Type: - NEMA 12, indoor, freestanding
- b) Audible Noise Level: - Less than 80 dB at 1.5 m
- c) Cooling to be done through forced air convection
 - i) If additional cooling is required, chiller unit must be provided by vendor and included in pricing.
 - ii) Chilling unit specification must be provided to FMFCS with tender submission package, and must be approved by FMFCS
- d) Operating temperature must be suitable between 0°C to 40°C
- e) Storage temperature must be suitable between -40°C to 65°C
- f) Output Connections:
 - i) Bolted Connections,
 - ii) 3 Connections for Positive,

iii) 3 Connections for Negative

9) PHYSICAL SPECIFICATIONS

- a) The vendor must size all equipment such that it can be moved through a double door with dimensions: of 2100mm high and 1775 mm wide
- b) The maximum available footprint for the equipment is located against a wall and has dimensions of 4470mm wide and 2285mm deep
- c) All electrical connections must be accessible from the front or top of the equipment as all equipment will be placed against a wall.

10) Electrical Certification;

- a) The equipment being supplied must be certified by an acceptable electrical certified organization. The following certified organizations are acceptable:

<u>Identify which organization shall be used;</u>	Compliance Yes/No
a. Canadian Standards Association (CSA),	_____
b. QPS/Entela,	_____
c. Intertek Testing Services,	_____
d. Underwriters Laboratories of Canada (ULC),	_____
e. Underwriters Laboratories Inc. (UL),	_____
f. Met Laboratories Inc. (MET),	_____
g. TUV Rheinland of North America,	_____
h. Quality Auditing Institute (QAI),	_____
i. TUV America Inc.	_____

- b) **NOTE:** Labels from all Organizations above (with the exception of CSA and ULC), must be accompanied by a small "c" at the eight o'clock position or Canadian Standard number to indicate the product has been certified to the Canadian Standard.

- c) Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected and labelled by the Canadian Standards Association (CSA), QPS/Entela, Intertek Testing Services, MET Laboratories, TUV America Inc, and Underwriters Laboratories of Canada under the Special Inspection Program. **This inspection must take place before equipment delivery to FMF Cape Scott and a copy of verification documentation report must accompany the machine with delivery. Identify which Organization shall be used:**

<u>Identify which organization shall be used;</u>	Compliance Yes/No
a. Canadian Standards Association (CSA),	_____
b. QPS/Entela,	_____
c. Intertek Testing Services,	_____
d. Met Laboratories Inc. (MET),	_____
e. TUV America Inc.,	_____
f. Underwriters Laboratories of Canada (ULC).	_____

11) Delivery, Commission and Training;

- a) Fleet Maintenance Facility Cape Scott (FMFCS) requires that manufacturer's approved representatives deliver all training. The representative(s) must be knowledgeable in the operation, construction and maintenance requirements of the equipment to be provided to FMFCS. All training is to be done during the normal work week (Monday through Friday) and business hours (8:00hrs to 16:00hrs AST). All training must be provided in English. All training materials and aids are to be provided a minimum of 72 hours prior to the scheduled start of training.
- b) FMFCS may accept video based training and assistance for start-up/commissioning.
- c) Vendor will be required to identify the cost associated with each option. This cost information will be used by FMFCS to evaluate which option will be exercised.

12) Fleet Maintenance Facility Cape Scott (FMFCS) responsibilities:

- a) FMFCS will provide labour and equipment to lift the equipment from the delivery vehicle and move it to its desired location.
- b) FMFCS will assemble the equipment in accordance with the manufacturer's instructions.

- c) FMFCS will provide electrical connection points and make all electrical connections.

13) Vendor's responsibilities:

- a) **NOTE:** All persons provided by the vendor are to be deemed competent by the vendor to provide leadership to commission the equipment on site. Employees who will provide training must be approved by the manufacturer. The vendor shall, as part of the bid submission, submit documentation clearly indicating the vendor's experience, in the provision of similar start-up services and site training.
- b) Vendor must provide clear, detailed, manufacturer's installation instructions, in the English language.
- c) Vendor is responsible to initiate screening and employee security clearances through Public Service & Procurement Canada (PSPC) as required in the Contract's Terms and Conditions. The time required to obtain clearances can be significant. The vendor is required to provide proof of Security Clearance Application within two weeks receipt of contract/purchase order for equipment. Any subcontractors that may be required for startup, installation, commissioning, training, or repair of the equipment during the warranty period must be identified upon bid submission, and must go through the same security requirements as the general contractor.
- d) Delivery to Building D200, Door 13 of Fleet Maintenance Facility Cape Scott (FMFCS), CFB Halifax, Nova Scotia B3K 5X5.
- e) Installation by FMFCS will be in accordance with Canadian Electrical Code (CEC) and any other code requirements identified by the machine manufacturer. Canadian standards and regulations will take precedence over non-Canadian standards or regulations.
- f) After the Vendors and FMFCS final acceptance of the installation, start up and maintenance and operator training shall commence. Maintenance training must be provided for a minimum of one day's duration (excluding travel to FMFCS) at our facility in FMFCS, Halifax, Nova Scotia the dates of this service will be scheduled by DND in coordination with delivery of the machinery.
- g) Operator training must be provided for a minimum of two (2) days (excluding travel to FMFCS) at our facility in FMFCS, Halifax, Nova Scotia. The dates of this service will be scheduled by DND in accordance with acceptance of the overall installation. This training is to be provided by the equipment manufactures trained technician or Field Service Representative (FSR).

14) Documentation Required

- a) Installation drawing package for the equipment described in this Statement of Requirements must include all floor mounting pad recommendations, anchoring description and locations, all machine services requirements: electrical, compressed air, water, etc. This drawing package must be signed by the Equipment Manufacturer's Engineering representative. This information is to be conveyed to FMFCS Industrial Engineering Senior Project Manager or his/her designated representative within 30 days after the acceptance of the contract to purchase.

- b) Manufacturer's original hard copy equipment manuals, quantity two (2) and one (1) digital copy on CD-ROM, containing:
 - i) Installation manual, _____
 - ii) Maintenance manual, _____
 - iii) Operating manual, _____
 - iv) Parts list, _____
 - v) Electrical circuit diagrams, _____
 - vi) Factory test documentation, _____

- c) Note: A letter of permission to reprint manuals or partial sections from the supplied CD-ROMs must be provided to the FMFCS Industrial Engineering Senior Project Manager or his/her designated representative.

FMFCS Industrial Engineering Senior Project Manager
Fleet Maintenance Facility Cape Scott
Building D 200, Rm 3323,
P.O. Box 99000 STN Forces,
Halifax, Nova Scotia
B3K 5X5

15) Warranty

- a) The equipment shall be guaranteed to be free from manufacturing and operational defects for a period of twelve months starting from the date it is set-to-work by the vendor's representative and accepted as operationally satisfactory by the FMFCS Industrial Engineering Manager or his/her designated representative. The vendor shall be responsible for the provision of labour, parts,

and field service at their own expense during the term of the warranty period and shall make good all defects within ten (10) days of being informed by Industrial Engineering Officer or his designated representative that service is required. All other warranties over and above those specified service herein shall be considered valid.

16) Service/Spare Parts

- a) Bidder must be capable of providing a service response time of 3 business days after receiving a service request from DND. Bidder is required to provide a contact number and location for their approved service provider.
- b) Bidder is required to provide a list of recommended spare parts and the current cost to DND. The list of spare parts must include:
 - c) Bidders part number
 - d) Manufacturers name
 - e) Manufacturers Part Number

17) References/Previous Experience

- a) Bidder must provide proof of previous experience providing equipment of similar capacity for similar purpose to a minimum of three different customers. Bidder must provide the name of a person and contact information who has direct knowledge of the equipment and can vouch for its operational capabilities.

18) Optional Requirement - FMF Cape Breton

- a) OPTIONAL REQUIREMENT – To be exercised within 12 months of equipment being commissioned at FMFCS in Halifax, Nova Scotia.
- b) One (1) 2000A Fixed Battery Charger
- c) One (1) CSA or equivalent certification
- d) One (1) delivery to:
 - Central Storage Facility
 - Fleet Maintenance Facility CAPE BRETON
 - CFB Esquimalt (Dockyard)
 - Building D250 – Door 33
 - 1600 Esquimalt Road
 - Victoria, BC V9A 7N2



**SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)**

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE

1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine DND		2. Branch or Directorate / Direction générale ou Direction Fleet Maintenance Facility Cape Scott	
3. a) Subcontract Number / Numéro du contrat de sous-traitance		3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	

4. Brief Description of Work / Brève description du travail
The Department of Defence (DND), Fleet Maintenance Facility Cape Scott (FMF CS) is responsible for charging, servicing and maintaining large, high capacity batteries used in the Victoria Class submarines. There is a requirement for warranty work with this requirement along with optional commissioning, startup, maintenance training, and operator training. There is also a requirement for one optional complete unit for FMF Cape Breton in Esquimalt British Columbia.

5. a) Will the supplier require access to Controlled Goods? / Le fournisseur aura-t-il accès à des marchandises contrôlées? No / Non Yes / Oui

5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? / Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? No / Non Yes / Oui

6. Indicate the type of access required / Indiquer le type d'accès requis

6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? / Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) / Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c) No / Non Yes / Oui

6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. / Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. No / Non Yes / Oui

6. c) Is this a commercial courier or delivery requirement with no overnight storage? / S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? No / Non Yes / Oui

7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès

Canada <input type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
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7. b) Release restrictions / Restrictions relatives à la diffusion

No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>	All NATO countries / Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable / À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>

7. c) Level of information / Niveau d'information

PROTECTED A / PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED / NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>
PROTECTED B / PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED / NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B / PROTÉGÉ B <input type="checkbox"/>
PROTECTED C / PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL / NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C / PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>	NATO SECRET / NATO SECRET <input type="checkbox"/>	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>
SECRET / SECRET <input type="checkbox"/>	COSMIC TOP SECRET / COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET / SECRET <input type="checkbox"/>
TOP SECRET / TRÈS SECRET <input type="checkbox"/>		TOP SECRET / TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>



PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui
If Yes, indicate the level of sensitivity:
Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? No / Non Yes / Oui
Short Title(s) of material / Titre(s) abrégé(s) du matériel :
Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

<input checked="" type="checkbox"/> RELIABILITY STATUS COTE DE FIABILITÉ	<input type="checkbox"/> CONFIDENTIAL CONFIDENTIEL	<input type="checkbox"/> SECRET SECRET	<input type="checkbox"/> TOP SECRET TRÈS SECRET
<input type="checkbox"/> TOP SECRET- SIGINT TRÈS SECRET - SIGINT	<input type="checkbox"/> NATO CONFIDENTIAL NATO CONFIDENTIEL	<input type="checkbox"/> NATO SECRET NATO SECRET	<input type="checkbox"/> COSMIC TOP SECRET COSMIC TRÈS SECRET
<input type="checkbox"/> SITE ACCESS ACCÈS AUX EMBLEMES			

Special comments:
Commentaires spéciaux : _____

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.
REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? No / Non Yes / Oui
If Yes, will unscreened personnel be escorted?
Dans l'affirmative, le personnel en question sera-t-il escorté? No / Non Yes / Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? No / Non Yes / Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? No / Non Yes / Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? No / Non Yes / Oui



PART C - (continued) / PARTIE C - (suite)

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form **online** (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category / Catégorie	PROTECTED / PROTÉGÉ			CLASSIFIED / CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	NATO RESTRICTED / NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL / NATO CONFIDENTIEL	NATO SECRET	COSMIC TOP SECRET / COSMIC TRÈS SECRET	PROTECTED / PROTÉGÉ			CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET
											A	B	C			
Information / Assets / Renseignements / Biens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Production	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Media / Support TI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Link / Lien électronique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED? No / Non Yes / Oui
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED? No / Non Yes / Oui
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).