



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

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

Cabot Place, Phase II, 2nd Floor

Box 4600

St. John's, NF

A1C 5T2

Bid Fax: (709) 772-4603

**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 CCGS St. Laurent - Powered Reels | |
| Solicitation No. - N° de l'invitation F6855-191457/A | Date 2019-12-03 |
| Client Reference No. - N° de référence du client F6855-191457 | |
| GETS Reference No. - N° de référence de SEAG PW-\$OLZ-010-7366 | |
| File No. - N° de dossier OLZ-9-42103 (010) | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-12-19 | Time Zone Fuseau horaire Newfoundland Standard Time NST |
| 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: Connolly, Carolyn | Buyer Id - Id de l'acheteur olz010 |
| Telephone No. - N° de téléphone (709) 690-3778 () | FAX No. - N° de FAX (709) 772-4603 |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CCGS Louis St. Laurent c/o Canadian Coast Guard Base - Southside Wharf 280 Southside Road, Technical Stores St. John's, NL A1E 0A3 | |

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

PWGSC / TPSGC - Nfld. Region

Cabot Place, Phase II, 2nd Floor

Box 4600

St. John's, NF

A1C 5T2

| | |
|--|--|
| Delivery Required - Livraison exigée See Herein | Delivery Offered - Livraison proposée |
| Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur | |
| Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur | |
| Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie) | |
| Signature | Date |

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PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed under Annex "A" of the resulting contract clauses.

1.2 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.

1.3 Canadian Content

The requirement is subject to a preference for Canadian goods and/or services.

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.

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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](#) (2019-03-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 90 days

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 on page 1 of the bid solicitation.

Carolyn Connolly BA, MA
Supply Specialist
Public Services and Procurement Canada
The John Cabot Building
10 Barter's Hill, St. John's, NL A1C 5T2

or

Electronic submissions may be sent to:

PWGSC Bid Receiving Unit in Newfoundland and Labrador:
TPSGC.RARceptionSoumissionsTNL-ARBidReceivingNL.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.

or

Facsimile submissions may be faxed to :

(709) 772-4603

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2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five 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 Newfoundland and Labrador.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

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. Bidders must provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

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 (2 hard copies)
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.

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](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). 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 explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

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Section II: Financial Bid

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

3.1.1 Electronic Payment of Invoices – Bid

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

If Annex “B” 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 (*To be completed with Bid Submission*)

4.1.1.1 Mandatory Technical Criteria

Important: To be deemed responsive, bidders must meet the mandatory technical criteria. In a technical bid document, bidders should demonstrate how their product(s) meet each of the following:

- Please check (X) accordingly:

- Design must meet minimum cable bend radius.
Met _____ Not Met _____
- Design must accommodate end plugs.
Met _____ Not Met _____
- Two Loaded reels must fit within a standard 20' shipping container.
Met _____ Not Met _____
- Use minimum of Nema 4 enclosures.
Met _____ Not Met _____
- Drive system has maximum 60A 3phase 460VAC power with 250' feed cable.
Met _____ Not Met _____
- Must meet max and min deployment and retrieval speeds.
Met _____ Not Met _____

4.1.2 Financial Evaluation

SACC Manual Clause [A0220T](#) (2014-06-26), Evaluation of Price – Bid

4.2 Basis of Selection

4.2.1 Basis of Selection – Mandatory Technical Criteria

SACC Manual Clause [A0031T](#) (2010-08-16), Basis of Selection – Mandatory Technical Criteria

NOTE: Optional goods pricing will be incorporated into the Basis of Selection process.

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 procurement 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.

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5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Canadian Content Certification

This procurement is conditionally limited to Canadian goods. (A3061T)

Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the good(s) offered are Canadian goods, as defined in clause A3050T, may be considered.

Failure to provide this certification completed with the bid will result in the good(s) offered being treated as non-Canadian goods.

The Bidder certifies that:

() the good(s) offered are Canadian goods as defined in paragraph 1 of clause A3050T.

5.2.3.1.1 SACC Manual clause A3050T (2014-11-27) Canadian Content Definition

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 There is no security requirement applicable to the Contract.

6.2 Requirement

The Contractor must provide the items detailed under the "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](#) (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before 31 March 2020.

6.4.2 Delivery Points

Delivery of the requirement will be made to the delivery points specified at Annex "A" of the Contract.

6.4.3 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex "A" 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 12 months after contract award by sending a written notice to the Contractor.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Carolyn Connolly
Supply Specialist

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Public Works and Government Services Canada
Acquisitions Branch, Atlantic Region
Science, Professional Services and Marine
The John Cabot Building, 10 Barter's Hill
P.O. Box 4600, St. John's, NL A1C 5T2

Telephone: (709) 690-3778
Facsimile: (709) 772-4603
E-mail address: Carolyn.Connolly@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.

6.5.2 Project Authority

The Project Authority for the Contract will be named at Contract award.

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 [Must be completed by offeror with bid submission]

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 a firm price, as specified in Annex "A", Pricing for a cost of \$ _____ (inserted at contract award). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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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 (2011-05-16) Limitation of Price

6.6.3 Single Payment

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

6.6.4 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) ().

6.7 Invoicing Instructions

The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

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

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.

6.9 Applicable Laws

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

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.

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- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2018-06-21) General Conditions: Goods (Medium Complexity);
- (c) Annex "A", Requirement/Pricing;
- (d) Annex "B", Evaluation Criteria and Basis of Selection;
- (e) Annex "C", Electronic Payment Instruments;
- (f) Annex "D", Integrity Provisions;
- (g) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award:* " as clarified on _____ " **or** " as amended on _____ " *and insert date(s) of clarification(s) or amendment(s)*)

6.11 SACC Manual Clauses

SACC Manual clause [B7500C](#) (2006-06-16) Excess Goods

SACC Manual clause [A3060C](#) (2008-05-12) Canadian Content Certification

**ANNEX "A"
REQUIREMENT/PRICING**

Requirement:

The Canadian Coast Guard in St. John's, Newfoundland and Labrador (NL), Canada has a requirement for two electric powered shore power reels capable of retrieving and deploying our two 150' 350MCM shore power cables safely and efficiently. The CCGS Louis S St. Laurent requires the two powered reels for safe storage, deployment and recovery of shore power cables.

A detailed specification and drawings (for numerical dimensions) are attached and form part of this annex.

IMPORTANT: In order to submit a bid, offerors must read/understand and be able to meet all the requirement listed herein. In a technical bid document, bidders should demonstrate how their product meets the requirement.

Goods to be delivered FOB Destination to:

CCGS Louis St. Laurent
c/o Canadian Coast Guard Base - Southside Wharf
280 Southside Road, Technical Stores
St. John's, NL A1E 0A3

Pricing:

- Please provide pricing for all line items. Failure to do so will deem bid non-responsive.
- Prices do not include applicable taxes.
- **IMPORTANT NOTE TO BIDDERS:**
BIDDERS SHOULD COMPLETE THE UNIT PRICE TABLE BELOW. BIDDERS ARE NOT TO CREATE A SEPARATE PRICING TABLE. FAILURE TO COMPLETE THE PROVIDED UNIT PRICE TABLE MAY RENDER BID NON-COMPLIANT AND NO FURTHER CONSIDERATION WILL BE GIVEN.

| Item | Description | Unit of Measure | Quantity (Q) | Price Per Unit (PU) | Extended Amount (Q x PU) |
|------|--|-----------------|--------------|---------------------|--------------------------|
| 1. | Powered reel, as per the attached specification, which forms part of this annex. | Each | 2 | \$ | \$ |
| 2. | Delivery FOB Destination: Louis S St. Laurent c/o Canadian Coast Guard Base - Southside Wharf 280 Southside Road, | Lot | 1 | \$ | \$ |

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| | | | | |
|---|--|--|--|----|
| Technical Stores St. John's, NL A1E 0A3 | | | | |
| TOTAL EXTENDED AMOUNT (TEA) (Excluding Applicable Taxes) | | | | \$ |

Optional Goods

| Item | Description | Unit of Measure | Quantity (Q) | Price Per Unit (PU) | Extended Amount (Q x PU) |
|---|--|-----------------|--------------|---------------------|--------------------------|
| 1. | Reels with drive system having maximum 40A 3 phase at 600VAC fed from welding plugs with 250' fused disconnect, as per the attached specification, which forms part of this annex. | Each | 2 | \$ | \$ |
| 2. | Delivery FOB Destination: Louis S St. Laurent c/o Canadian Coast Guard Base - Southside Wharf 280 Southside Road, Technical Stores St. John's, NL A1E 0A3 | Lot | 1 | \$ | \$ |
| TOTAL EXTENDED AMOUNT (TEA) (Excluding Applicable Taxes) | | | | | \$ |

| Item | Description | Unit of Measure | Quantity (Q) | Price Per Unit (PU) | Extended Amount (Q x PU) |
|------|--|-----------------|--------------|---------------------|--------------------------|
| 1. | Reels with drive system having maximum 60A 3 phase at 240VAC fed from welding plugs with 250' fused disconnect, as per the attached specification, which forms part of this annex. | Each | 2 | \$ | \$ |
| 2. | Delivery FOB Destination: Louis S St. Laurent c/o Canadian Coast Guard | Lot | 1 | \$ | \$ |

Solicitation No. - N° de l'invitation
F6855-191457/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
olz010

Client Ref. No. - N° de réf. du client
F6855-191457

File No. - N° du dossier
OLZ-9-42103

CCC No./N° CCC - FMS No./N° VME

| | | | | | |
|---|---|--|--|--|----|
| | Base - Southside Wharf 280 Southside Road, Technical Stores St. John's, NL A1E 0A3 | | | | |
| TOTAL EXTENDED AMOUNT (TEA) (Excluding Applicable Taxes) | | | | | \$ |

ANNEX "B"
EVALUATION CRITERIA AND BASIS OF SELECTION

It is the intention of the Crown to evaluate all bids as follows:

- Each bid will be examined to determine if it meets the Mandatory Requirements.
- Proposals which fail to meet the following mandatory requirements will be deemed non-compliant and will be given no further consideration. Bidders must provide the necessary information to support compliance.

| MANDATORY REQUIREMENTS | COMPLIANCE (Please Check <input checked="" type="checkbox"/> Accordingly) | | IDENTIFY SECTION(S) OF THE PROPOSAL |
|--|--|----|--|
| | YES | NO | |
| M1-M6 | | | |
| M1: Design must meet minimum cable bend radius. | | | |
| M2: Design must accommodate end plugs. | | | |
| M3: Two Loaded reels must fit within a standard 20' shipping container. | | | |
| M4: Use minimum of Nema 4 enclosures. | | | |
| M5: Drive system has maximum 60A 3phase 460VAC power with 250' feed cable. | | | |
| M6: Must meet max and min deployment and retrieval speeds. | | | |

Solicitation No. - N° de l'invitation
F6855-191457/A

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F6855-191457

File No. - N° du dossier
OLZ-9-42103

CCC No./N° CCC - FMS No./N° VME

ANNEX "C"
ELECTRONIC PAYMENT INSTRUMENTS

The Offeror accepts to be paid by 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).

| Spec Item #: | SPECIFICATION | Lloyd's Field # N/A |
|---------------------------------------|---------------|---------------------|
| Shore Power Cable Storage Reel | | |

Part 1: Scope

- 1.1. The contractor shall manufacture and/or Supply two electric powered shore power reels capable of retrieving and deploying our two 150' 350MCM shore power cables safely and efficiently.
- 1.2. The CCGS Louis S St. Laurent requires two powered reels for safe storage, deployment and recovery of shore power cables. Shore power cables are 350MCM 3 conductor cables with Crouse Hinds connectors on both ends. These two cables have a diameter of approximately 3 inches and are 150 feet long. The Spools are to be stored in a standard 20' container on the ship and shall be capable of being moved by crane and forklift.

Part 2: References

- 2.1. Shore Power Super Vu-tron 350MCM cable PDF
- 2.2. Shore Power Arktite 400A Plug info PDF
- 2.3. Arktite-60a-plugs-receptacles-connectors (1)

Part 3: Technical Description

- 3.1. The contractor is to supply two skid mounted cable reels each capable of retrieving and deploying 150' of General Cable's Super Vu-Tron 350 MCM Cable complete with Crouse Hinds Arktite connectors on each end. The bottom of the skid will require structure to accommodate fork rails for transportation by forklift. The top of the skid shall have certified lifting eyes to accommodate lifting of the fully loaded reels by crane.
- 3.2. The shore power cable has a minimum bend radius of 6 X OD of cable. This cable is 2.68 inches as you will see in the PDF. So the bend radius is 16.08 inches. Cable is 350 MCM 3 conductor cable. Reels must have an inner diameter larger than the minimum cable bend diameter (32.16")
- 3.3. The Arktite shore power plugs are approximately 20.5 inches long and 8 inches in diameter and are permanently affixed on both ends of cable.
- 3.4. Cable connectors are large and may impede the uniformity of the spooling process. The Drum shall accommodate the Arktite plug to allow the cable to be spooled evenly preventing stress and damage. The Drum shall have an open pipe spacer design or indent in the drum that will allow the connector to recess and allow the smooth even laying of the cable during the spooling process.
- 3.5. Loaded reels will be stored on the ship during transit and will require large tie down points to affix them to the ship and a locking mechanism to prevent the spool from moving. Tie downs must be engineered to secure the loaded reel on any two hooks. Both fully loaded reels must fit inside a standard 20' shipping container. Reel and reel

components to have a marine grade finish and weather resistant removable cover designed to protect the spool when stored.

- 3.6. Electrical design consideration will have to be taken that these reels will be stored on a ship. All electrical components; i.e. cabling, motors, enclosures, starters, switches, connectors, buttons, levers must be Nema 4x or better.
- 3.7. Reel drive system shall be maximum 60A 3 phase at 460VAC fed from welding plugs available on the outer decks of the ship. Contractor to provide 250' SOOW cable attached to the motor's fused disconnect with a Arktite 60A plug affixed on the other end of the cable. This cable must be affixed and neatly stored to the reel when not in use. The control system will also require an Emergency stop push button.
- 3.8. Gear reductions for safe speed selection (max deployment speed of 100 feet per minute, min deployment speed of 50 feet per minute and maximum retrieval speed of 100 feet per minute, minimum retrieval speed of 50 feet per minute) and maximum rewind and deployment power are required. The Reel will also require a clutch and brake system so that the reel can be de-clutched and used manually.
- 3.9. Reels must be designed to allow both powered and manual deployment and recovery. There shall be a removable cranking handle for manual use.

Part 4: Proof of Performance

- 4.1. Contractor to provide a detailed dimensional drawing with bid.
- 4.2. Successful bidder shall perform equipment trials to ensure proper operation prior to delivery. Technical Authority shall witness trials and/or review test reports / results. Successful trials shall also be performed and witnessed by TA after delivery.

Part 5: Deliverables

- 5.1. Operation Manual / Maintenance Manual with detailed parts breakdown drawings and part numbers.
- 5.2. Specialty Tools.
- 5.3. Spare parts; switches, handles, contactors, bearings. Contractor to supply two sets of spare parts required to maintain the reels operation. Parts shall be packaged / protected for extended storage and labeled with identifying part numbers that reference the maintenance manual. Spare parts to be provided with the completed reel assemblies.
- 5.4. **Options:** The Contractor shall provide options for supply of additional reels as detailed below;
 - 5.4.1. Supply two (2) additional reels with drive system having maximum 40A 3 phase at 600VAC fed from welding plugs with 250' fused disconnect.

5.4.2. Supply two (2) additional reels with drive system having maximum 60A 3 phase at 240VAC fed from welding plugs with 250' fused disconnect.

60 A, 600 VAC/250 VDC, 50† – 400 hertz

Ordering Information:



Receptacle Assembly



Receptacle



Receptacle Housing Only



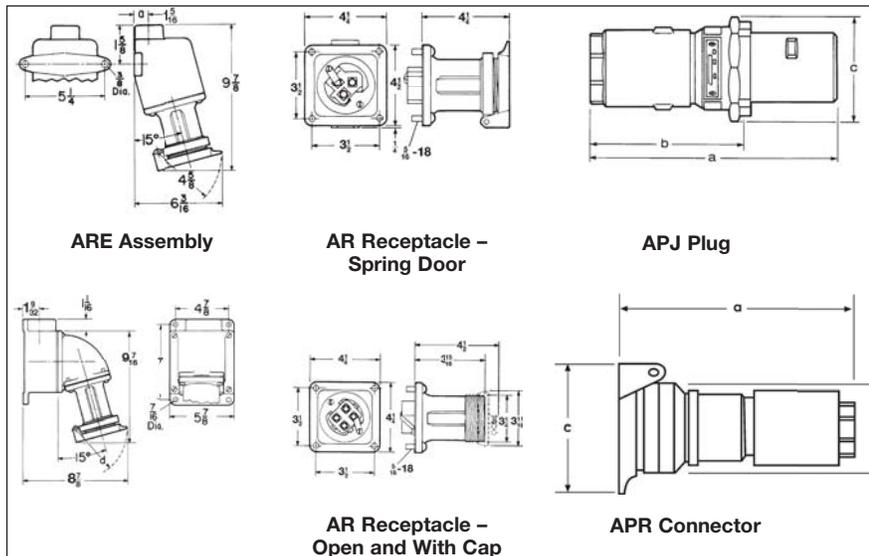
Mating Plug



Mating Connector

| Description | With AJ Back Boxes and Angle Adapters | | | With ARE Back Boxes | | Cable Dia. | Cat. # | Cat. # |
|------------------|---------------------------------------|--------------------|--------------------------|---------------------|--------------------------|--------------|---------|---------|
| | Hub Size (In.) | Spring Door Cat. # | Threaded Cap Only Cat. # | Spring Door Cat. # | Threaded Cap Only Cat. # | | | |
| Style 1 | | | | | | | | |
| 2-wire, 2-pole } | 1 | AREA6213 | | ARE6213 | AR621 | 0.50 to 1.15 | APJ6275 | APR6255 |
| | 1 1/4 | AREA6214 | | ARE6214 | AR627 | | | |
| 3-wire, 3-pole } | 1 | AREA6313 | | ARE6313 | AR631 | 0.50 to 1.15 | APJ6375 | APR6355 |
| | 1 1/4 | AREA6314 | | ARE6314 | AR637 | | | |
| 4-wire, 4-pole } | 1 1/4 | AREA6414 | | ARE6414 | AR641 | 0.50 to 1.15 | APJ6475 | APR6455 |
| | 1 1/2 | AREA6415 | | ARE6415 | AR647 | | | |
| 5-wire, 5-pole } | 1 1/4 | | AREA6574 | | | 0.50 to 1.15 | APJ6575 | |
| | 1 1/2 | | AREA6575 | | AR657 | | | |
| Style 2 | | | | | | | | |
| 2-wire, 3-pole } | 1 | AREA6323 | | ARE6323 | AR632 | 0.50 to 1.15 | APJ6385 | APR6365 |
| | 1 1/4 | AREA6324 | | ARE6324 | AR638 | | | |
| 3-wire, 4-pole } | 1 1/4 | AREA6424 | | ARE6424 | AR642 | 0.50 to 1.15 | APJ6485 | APR6465 |
| | 1 1/2 | AREA6425 | | ARE6425 | AR648 | | | |
| 4-wire, 5-pole } | 1 1/4 | | AREA6584 | | | 0.75 to 1.15 | APJ6585 | APR6565 |
| | 1 1/2 | | AREA6585 | | AR658 | | | |

Dimensions (In Inches):



| Config. | Plug | | | Connector | | |
|----------|-------|---------|--------|-----------|-------|---------|
| | a | b | c | a | b | c |
| 2P or 3P | 8 1/2 | 5 3/4 | 3 5/8 | 6 1/2 | 3 5/8 | 2 15/16 |
| 4P | 8 1/2 | 5 13/16 | 3 3/4 | 8 1/4 | 3 3/8 | 2 15/16 |
| 5P | 9 | 6 3/16 | 4 7/16 | 8 1/4 | 3 3/8 | 3 1/4 |

†For use on systems less than 60 hertz the receptacles, plugs and connectors are for disconnect use only.

1P

60 A, 600 VAC/250 VDC, 50† – 400 hertz

Ordering Information:



Receptacle Assembly



Receptacle



Receptacle Housing Only



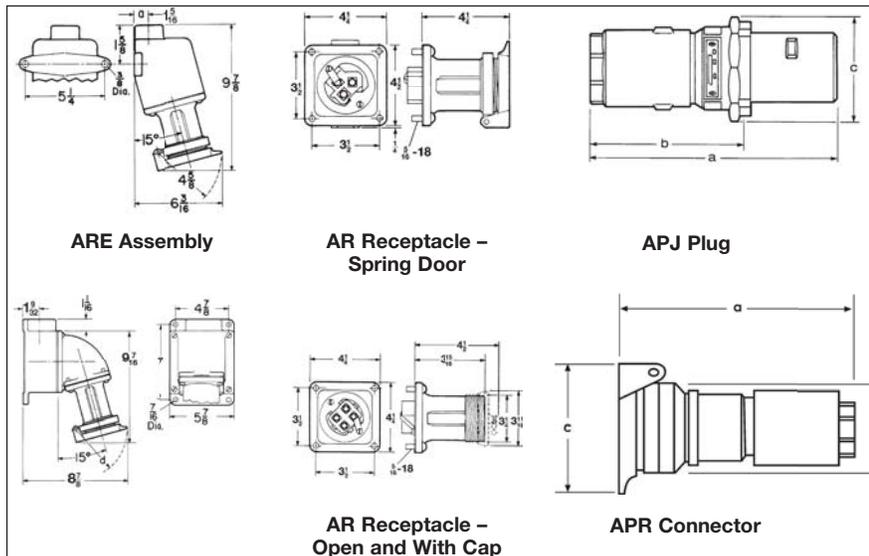
Mating Plug



Mating Connector

| Description | With AJ Back Boxes and Angle Adapters | | | With ARE Back Boxes | | Cable Dia. | Cat. # | Cat. # |
|------------------|---------------------------------------|--------------------|--------------------------|---------------------|--------------------------|--------------|---------|---------|
| | Hub Size (In.) | Spring Door Cat. # | Threaded Cap Only Cat. # | Spring Door Cat. # | Threaded Cap Only Cat. # | | | |
| Style 1 | | | | | | | | |
| 2-wire, 2-pole } | 1 | AREA6213 | | ARE6213 | AR621 | 0.50 to 1.15 | APJ6275 | APR6255 |
| | 1 1/4 | AREA6214 | | ARE6214 | AR627 | | | |
| 3-wire, 3-pole } | 1 | AREA6313 | | ARE6313 | AR631 | 0.50 to 1.15 | APJ6375 | APR6355 |
| | 1 1/4 | AREA6314 | | ARE6314 | AR637 | | | |
| 4-wire, 4-pole } | 1 1/4 | AREA6414 | | ARE6414 | AR641 | 0.50 to 1.15 | APJ6475 | APR6455 |
| | 1 1/2 | AREA6415 | | ARE6415 | AR647 | | | |
| 5-wire, 5-pole } | 1 1/4 | | AREA6574 | | | 0.50 to 1.15 | APJ6575 | |
| | 1 1/2 | | AREA6575 | | AR657 | | | |
| Style 2 | | | | | | | | |
| 2-wire, 3-pole } | 1 | AREA6323 | | ARE6323 | AR632 | 0.50 to 1.15 | APJ6385 | APR6365 |
| | 1 1/4 | AREA6324 | | ARE6324 | AR638 | | | |
| 3-wire, 4-pole } | 1 1/4 | AREA6424 | | ARE6424 | AR642 | 0.50 to 1.15 | APJ6485 | APR6465 |
| | 1 1/2 | AREA6425 | | ARE6425 | AR648 | | | |
| 4-wire, 5-pole } | 1 1/4 | | AREA6584 | | | 0.75 to 1.15 | APJ6585 | APR6565 |
| | 1 1/2 | | AREA6585 | | AR658 | | | |

Dimensions (In Inches):



| Config. | Plug | | | Connector | | |
|----------|-------|---------|--------|-----------|-------|---------|
| | a | b | c | a | b | c |
| 2P or 3P | 8 1/2 | 5 3/4 | 3 5/8 | 6 1/2 | 3 5/8 | 2 15/16 |
| 4P | 8 1/2 | 5 13/16 | 3 3/4 | 8 1/4 | 3 3/8 | 2 15/16 |
| 5P | 9 | 6 3/16 | 4 7/16 | 8 1/4 | 3 3/8 | 3 1/4 |

†For use on systems less than 60 hertz the receptacles, plugs and connectors are for disconnect use only.

1P