



## 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**

**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

<b>Title - Sujet</b> LED Light Towers with Generators	
<b>Solicitation No. - N° de l'invitation</b> W355B-190895/A	<b>Date</b> 2018-06-22
<b>Client Reference No. - N° de référence du client</b> W355B-19-0895	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$HAL-405-10426	
<b>File No. - N° de dossier</b> HAL-8-81030 (405)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2018-08-07</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Atlantic Daylight Saving Time ADT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Kendell, Byron	<b>Buyer Id - Id de l'acheteur</b> hal405
<b>Telephone No. - N° de téléphone</b> (902) 402-9436 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF NATIONAL DEFENCE BLDG D200, FINANCE 3RD FLOOR STN FORCES HALIFAX NOVA SCOTIA B3K5X5 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

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## PART 1 - GENERAL INFORMATION

### 1.1 Requirement

The Department of National Defence has a requirement for the supply and delivery of four (4) LED Light Towers suitable for outdoor use in all types of weather and four (4) associated Generators/Motors suitable for use with the required LED Light Towers.

### 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 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA) and the Canadian Free Trade Agreement (CFTA).

## 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](#) (2017-04-27) 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 on page 1 of the bid solicitation.

**Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.**

### 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

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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.

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

Due to the nature of the bid solicitation, bids transmitted by epost Connect service and by facsimile will not be accepted.

Canada requests that bidders provide their 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 and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

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**

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In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

## **Section II: Financial Bid**

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

### **3.1.1 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**

Mandatory Technical Criteria are listed at Annex C. Bidders are to provide the information requested in Annex C and return it with their submission. Failure to submit all of the information requested in Annex C will deem a submission non-compliant.

#### **4.1.2 Financial Evaluation**

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

### **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 which can meet the required delivery date will be recommended for award of a contract.

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## 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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## 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 Department of National Defence (DND)/Fleet Maintenance Facility Cape Scott (FMFCS) has a requirement for the supply and delivery of four (4) LED Light Towers suitable for outdoor use in all types of weather and four (4) Generators/Motors suitable for use with the required LED Light Towers as described 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](#) (2016-04-04), 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 December 2018.**

The Contractor's **best delivery date offered** is: \_\_\_\_\_ **(to be completed by Bidder)**

#### 6.4.2 Delivery Points

Delivery of the requirement will be made to:

FMF Cape Scott HMC Dockyard  
Maritime Forces Atlantic  
Door 13 Bldg D-200  
Halifax, NS B3K 5X5

### 6.5 Authorities

#### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

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Name: Byron Kendell  
Title: Supply Officer  
Public Works and Government Services Canada  
Acquisitions Branch  
Address: 1713 Bedford Row, Halifax, NS B3J 3C9

Telephone: 902-402-9436  
Facsimile: 902-496-5016  
E-mail address: [byron.kendell@pwgsc.gc.ca](mailto:byron.kendell@pwgsc.gc.ca)

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

### 6.5.2 Procurement Authority

The Procurement Authority for the Contract is **(completed at contract award)**:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

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

### 6.5.3 Technical Authority

The Technical Authority for the Contract is **(completed at contract award)**:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Technical 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 Technical Authority, however the



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Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

#### **6.5.4 Contractor's Representative (to be completed by bidder)**

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 unit price, as specified in **Annex B**. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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 Single Payment**

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

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.

#### **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)

### **6.7 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 two (2) copies must be forwarded to the following address for certification and payment:  
  
Dept. of National Defence  
Maritime Forces Atlantic  
FMF Cape Scott  
Bld D200, Finance, 3<sup>rd</sup> Floor  
PO Box 99000, Stn Forces  
Halifax, NS B3K 5X5
  - b. One (1) copy must be forwarded to: [FMFCS\\_AccountsPayable@forces.gc.ca](mailto:FMFCS_AccountsPayable@forces.gc.ca), Attn: Brian Secord

## **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 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 [2010C](#) (2016-04-04);
- (c) Annex A, Statement of Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated \_\_\_\_\_ (*insert date of bid*)

## **6.11 Defence Contract**

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

## **6.12 SACC Manual Clauses**

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B1000T (2014-06-26) Condition of Material – Bid  
B7500C (2006-06-16) Excess Goods  
G1005C (2016-01-28) Insurance  
A9062C (2011-05-16) Canadian Forces Site Regulations  
D0018C (2007-11-30) Delivery and Unloading  
B1501C (2006-06-16), Electrical Equipment  
B1505C (2016-01-28) Shipment of Dangerous Goods / Hazardous Products  
D3015C (2014-09-25) Dangerous Goods / Hazardous Products - Labelling and Packaging Compliance

### **6.13 Inspection and Acceptance**

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

## **ANNEX A**

### **STATEMENT OF REQUIREMENT**

#### **1 GENERAL DESCRIPTION**

1.1 Supply and deliver four (4) LED Light Towers suitable for outdoor use in all types of weather.

1.2 Supply and deliver four (4) Generators/Engines suitable for use with LED Light Towers.

#### **2 LED LIGHT TOWER SPECIFICATIONS**

##### **2.1 Lights**

- The Light Towers shall be equipped with four (4) high-efficiency LED lights.
- The lights shall produce not less than 30,000 lumens per light. Total lumens per tower shall be not less than 120,000 lumens (4 x 30,000 = 120,000)
- Rated amperage shall be not more than 6.7 Amps at 120 volts, per light tower.
- The LED Light Towers shall operate on 90 volts to 277 volts.
- The lights shall have ingress protection of IP64 Weatherproof.
- The rated hours of the lights shall be not less than 50,000 hours.
- Lights shall have aluminum housings with polycarbonate lenses.

##### **2.2 Mast**

- The maximum mast height shall be not less than 18 feet (5.48 Meters).
- The Mast shall be constructed of powder painted steel.
- The mast shall be capable of being easily deployed by one person.
- The wind rating of the Light Tower shall be not less than 45 Miles per hour, (72.4 Kilometers per hour), with the mast fully extended.

##### **2.3 Chassis**

- The Light Tower frame shall be manufactured from powder painted steel.
- The Light Towers shall be equipped with outriggers that extend not less than 2 Feet (0.6 Meters) beyond the frame.
- The Light Towers shall be equipped with foam-filled rubber tires.
- The Light Towers shall be equipped with a pull handle with steering for movement by person,
- The Light Towers shall be equipped with side access forklift guides.
- The Light Towers shall meet the following dimension requirements:
  - Length - minimum 65" (1651 mm) maximum 67" (1702 mm)
  - Width - minimum 31" (787 mm) maximum 33" (838 mm)
  - Height with mast down - maximum 36" (914 mm)
- The Light Towers shall have a weight of not less than 300 Lbs. (136 Kg) and not more than 320 Lbs. (145 Kg), with no generator.

##### **2.4 Cabinet**

- 
- The Light Tower shall be equipped with a powder painted steel cabinet.
  - The inside dimensions of the cabinet shall meet the following dimension requirements:
    - Length - minimum 26" (660 mm) maximum 28" (711 mm)
    - Width - minimum 20" (508 mm) maximum 22" (559 mm)
    - Height - minimum 18" (457 mm) maximum 20" (508 mm)
  - The cabinet must be lockable.
  - The cabinet must be ventilated.
  - The cabinet must be equipped with an on/Off switch.
  - The cabinet must be equipped with a Daisy-chain outlet to power additional lights or tools.

## 2.5 Fuel Tank

- The Light Tower shall be equipped with a fuel tank capable of being used to supply a suitcase style generator.
- The fuel tank shall have a capacity of not less than 6 US Gal (23 liters)
- The fuel tank shall come complete with hose and fuel cap that will fit the supplied suitcase generator.

## **3 GENERATOR / ENGINE SPECIFICATIONS**

### 3.1 Engine

- Engine Type - The engine shall be a 4-Stroke, overhead camshaft, single cylinder, gasoline powered engine.
- The engine shall be equipped with an air cooling system.
- The ignition system shall be a full transistor system.
- The fuel tank capacity of the engine shall be not less than 0.95 US gallons (3.6 Litres).
- The engine shall start using a recoil type starter.
- The engine shall automatically shut off when low oil is detected.
- The engine shall be equipped with a shut off switch that controls both the ignition system and fuel system. The three position switch shall have the following positions:
  - 1) OFF - Stops the engine and turns the fuel off,
  - 2) FUEL OFF – Keeps the ignition on and allows the engine to run, closes the fuel valve.
  - 3) ON – Opens the fuel valve, and allows the engine to be started.

### 3.2 Generator

- The generator shall be an inverter type generator.
- AC rated Voltage shall be 120 Volt.
- AC rated frequency shall be 60 Hz.
- AC rated current shall be 15 Amp
- AC rated output shall be 1.8 kVA
- AC maximum output shall not be less than 2.2 kVA
- DC output- Maximum DC charging output of 8.3 Amps. Suitable for charging automotive batteries.
- The generator shall be equipped with a 20 Amp, 125 Volt duplex receptacle.
- The generator shall be equipped with an internal/Electronic circuit breaker.

### 3.3 Generator / Engine Dimensions, Weight, Runtime and Sound Levels

- Max length shall be not more than 20.0 inches (509 mm).

- Max width is not exceed 11.5 inches (292 mm)
- Max height is not to exceed 17 inches (432mm)

Note: Generator/Engine MUST fit in cabinet.

- The dry weight of the generator shall not exceed 47 lbs. (21.3 Kg)
- The generator shall have a runtime of not less than 3 hours at the rated load and not less than 8 hours at ¼ of the rated load.
- The Decibel rating of the generator/engine shall not exceed 57 dB (A) at the rated load and 48 dB (A) at ¼ rated load.

#### 3.4 Other required features

- The generator/engine shall be equipped with an automatic mechanical decompressor system to reduce force needed to start the engine.
- The generator shall be equipped with the capability of paralleling two generators.
- The generator/engine shall be equipped with an automatic throttle control that will allow the engine to reduce speed in low demand situations, and increase speed to the appropriate level when a load is added.

## **4 WARRANTY**

4.1 The Light Towers shall be supplied with a one (1) year warranty.

4.2 The generator shall be supplied with a one (1) year warranty.

## **5 ELECTRICAL CERTIFICATION**

5.1 The equipment being supplied must be certified by an acceptable electrical certified organization.

The following certified organizations are acceptable. The electrical equipment must bear a label from one of these organizations in order to be recognized as approved.

5.2 At least one of the organizations shall be used;

- Canadian Standards Association (CSA),
- QPS/Entela,
- Intertek Testing Services,
- Underwriters Laboratories of Canada (ULC),
- Underwriters Laboratories Inc. (UL),
- Met Laboratories Inc. (MET),
- TUV Rheinland of North America,
- Quality Auditing Institute (QAI),
- TUV America Inc.,
- NSF International,
- Nemko Canada Inc.
- Curtis-Straus LLC
- OTL Omni Test Laboratories
- FM Approvals LLC (Factory Mutual)

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.

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5.3 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., 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:

- Canadian Standards Association (CSA),
- QPS/Entela,
- Intertek Testing Services,
- Met Laboratories Inc. (MET),
- TUV America Inc.,
- Underwriters Laboratories of Canada (ULC).
- ESA Electrical Safety Authority

## **6 DELIVERY**

6.1 Delivery of the four (4) LED Light Towers and (4) Generators shall be no later than 31-Dec-18.

## ANNEX B

### BASIS of PAYMENT

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

ITEM	U of I	QTY	UNIT PRICE	EXTENDED
LED Light Tower as fully detailed in Annex A <b>Make and Model:</b>	EA	4		
Generator/Engine as fully detailed in Annex A <b>Make and Model:</b>	EA	4		
<b>Delivery</b> (Incoterms 2010, DDP Destination)		1		
			<b>TOTAL</b>	



## ANNEX C

### MANDATORY TECHNICAL REQUIREMENTS

#### ALL LISTED CRITERIA MUST BE ADDRESSED AND SUBMITTED WITH YOUR BID.

**Instructions:** Bidders must indicate whether or not they comply with the Mandatory Technical Criteria. Bidders must include two (2) copies of descriptive literature for the item(s) offered in sufficient detail to clearly indicate compliance with each of the individual requirements from the Mandatory Technical Criteria detailed herein.

Bidders must comment / 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.

The Bidder must address each Mandatory Technical Criteria listed below and must indicate whether the product/service offered "Meets" or "Does Not Meet".

By submitting the information required in Annex "C" Mandatory Technical Criteria, the bidder certifies the product they are offering meets and will be built as per the Mandatory Technical Criteria.

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.

The Bidder's **best delivery date offered** is: \_\_\_\_\_ (*to be completed by Bidder*)

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS REFERENCE
		MEET	DOES NOT MEET	
2	LED LIGHT TOWER SPECIFICATIONS			
2.1	Lights			
	- The Light Towers shall be equipped with four (4) high-efficiency LED lights.			

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS REFERENCE
		MEET	DOES NOT MEET	
	- The lights shall produce not less than 30,000 lumens per light. Total lumens per tower shall be not less than 120,000 lumens (4 x 30,000 = 120,000)			
	- Rated amperage shall be not more than 6.7 Amps at 120 volts, per light tower.			
	- The LED Light Towers shall operate on 90 volts to 277 volts.			
	- The lights shall have ingress protection of IP64 Weatherproof.			
	- The rated hours of the lights shall be not less than 50,000 hours.			
	- Lights shall have aluminum housings with polycarbonate lenses.			
2.2	Mast			
	- The maximum mast height shall be not less than 18 feet (5.48 Meters).			
	- The Mast shall be constructed of powder painted steel.			
	- The mast shall be capable of being easily deployed by one person.			
	- The wind rating of the Light Tower shall be not less than 45 Miles per hour, (72.4 Kilometers per hour), with the mast fully extended.			
2.3	Chassis			
	- The Light Tower frame shall be manufactured from powder painted steel.			
	- The Light Towers shall be equipped with outriggers that extend not less than 2 Feet (0.6 Meters) beyond the frame.			
	- The Light Towers shall be equipped with side access forklift guides.			
	- The Light Towers shall meet the following dimension requirements:			
	Length - minimum 65" (1651 mm) maximum 67" (1702 mm)			
	Width - minimum 31" (787 mm) maximum 33" (838 mm)			

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS REFERENCE
		MEET	DOES NOT MEET	
	Height with mast down - maximum 36" (914 mm)			
	- The Light Towers shall have a weight of not less than 300 Lbs. (136 Kg) and not more than 320 Lbs. (145 Kg), with no generator.			
2.4	Cabinet			
	- The Light Tower shall be equipped with a powder painted steel cabinet.			
	- The inside dimensions of the cabinet shall meet the following dimension requirements:			
	Length - minimum 26" (660 mm) maximum 28" (711 mm)			
	Width - minimum 20" (508 mm) maximum 22" (559 mm)			
	Height - minimum 18" (457 mm) maximum 20" (508 mm)			
	- The cabinet must be lockable.			
	- The cabinet must be ventilated.			
	- The cabinet must be equipped with an on/Off switch.			
	- The cabinet must be equipped with a Daisy-chain outlet to power additional lights or tools.			
2.5	Fuel Tanks			
	- The Light Tower shall be equipped with a fuel tank capable of being used to supply a suitcase style generator.			
	- The fuel tank shall have a capacity of not less than 6 US Gal (23 litres)			
	- The fuel tank shall come complete with hose and fuel cap that will fit the supplied suitcase generator.			
3.1	Engine			
	- Engine Type - The engine shall be a 4-Stroke, overhead camshaft, single cylinder, gasoline powered engine.			
	- The engine shall be equipped with an air cooling system.			

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS REFERENCE
		MEET	DOES NOT MEET	
	- The ignition system shall be a full transistor system.			
	- The fuel tank capacity of the engine shall be not less than 0.95 US gallons (3.6 Litres).			
	- The engine shall start using a recoil type starter.			
	- The engine shall automatically shut off when low oil is detected.			
	- The engine shall be equipped with a shut off switch that controls both the ignition system and fuel system. The three position switch shall have the following positions:			
	1) OFF - Stops the engine and turns the fuel off,			
	2) FUEL OFF – Keeps the ignition on and allows the engine to run, closes the fuel valve.			
	3) ON – Opens the fuel valve, and allows the engine to be started.			
3.2	Generator			
	- The generator shall be an inverter type generator.			
	- AC rated Voltage shall be 120 Volt.			
	- AC rated frequency shall be 60 Hz.			
	- AC rated current shall be 15 Amp			
	- AC rated output shall be 1.8 kVA			
	- AC maximum output shall not be less than 2.2 kVA			
	- DC output- Maximum DC charging output of 8.3 Amps. Suitable for charging automotive batteries.			
	- The generator shall be equipped with a 20 Amp, 125 Volt duplex receptacle.			
	- The generator shall be equipped with an internal/Electronic circuit breaker.			
3.3	Generator / Engine Dimensions, Weight, Runtime and Sound Levels			
	- Max length shall be not more than 20.0 inches (509 mm).			
	- Max width is not exceed 11.5 inches (292 mm)			
	- Max height is not to exceed 17 inches (432mm)			

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS REFERENCE
		MEET	DOES NOT MEET	
	Note: Generator/Engine MUST fit in cabinet.			
	- The dry weight of the generator shall not exceed 47 lbs. (21.3 Kg)			
	- The generator shall have a runtime of not less than 3 hours at the rated load and not less than 8 hours at ¼ of the rated load.			
	- The Decibel rating of the generator/engine shall not exceed 57 dB (A) at the rated load and 48 dB (A) at ¼ rated load.			
3.4	Other required features			
	- The generator/engine shall be equipped with an automatic mechanical decompressor system to reduce force needed to start the engine.			
	- The generator shall be equipped with the capability of paralleling two generators.			
	- The generator/engine shall be equipped with an automatic throttle control that will allow the engine to reduce speed in low demand situations, and increase speed to the appropriate level when a load is added.			
4	Warranty			
5	Electrical Certification			
6	Delivery			

## **ANNEX D 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)