



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

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

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

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

Comments - Commentaires

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

Title - Sujet Batteries for Aid to Navigation Sit	
Solicitation No. - N° de l'invitation F6879-155017/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client F6879-155017	Date 2015-10-30
GETS Reference No. - N° de référence de SEAG PW-\$OLZ-014-6474	
File No. - N° de dossier OLZ-5-38148 (014)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-11-10	
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: howell (olz), amanda	Buyer Id - Id de l'acheteur olz014
Telephone No. - N° de téléphone (709) 772-4997 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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 Security Requirement

There is no Security Requirement associated with this bid solicitation.

1.2 Requirement

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

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.

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>) 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 (2015-07-03) 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.

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 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

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)

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 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: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

Section II: Certifications

Bidders must submit the certifications 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 completed by the Offeror.]

- *The batteries shall be designed in accordance with the applicable sections of the current revision of the following documents. In the event of conflicting requirements between codes and standards the most stringent will prevail.*
 - *IEEE 937 – Recommended Practice for Installation and Maintenance of Lead – Acid Batteries for Photovoltaic Systems*
 - *ANSI*
 - *NEMA*
 - *ULC*
 - *National Fire Code*
 - *CSA 22.1-15 Canadian Electrical Code*
 - *CSA 22.2, NO. 107.1 – General Use Power Supplies*
 - *Met? Yes or No _____*
- *All material and devices shall be in accordance with the appropriate requirements of the Federal “Occupational Safety and Health Regulations”.*
 - *Met? Yes or No _____*
- *The supply battery manufacture shall be ISO 9001 certified.*
 - *Met? Yes or No _____*
- *The battery design shall be of proven technology with minimum of ten (10) years of documented field experience and service support. The Supplier shall provide product data sheets stating the product qualifications.*
 - *Met and included with submission? Yes or No _____*

4.1.2 Financial Evaluation

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

PART 5 - CERTIFICATIONS

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. 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 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed [Declaration Form](http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-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 – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - Labour's](#) website.

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.

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 this 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>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

2010A (2015-07-03), 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

The period of the Contract is from date of Award to 28 January 2016.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Amanda Howell, A/Contracting Officer
Public Works and Government Services Canada
Acquisitions Branch
The John Cabot Building, 7th floor
10 Barter's Hill, P.O. Box 4600
St. John's, NL A1C 5T2

Telephone: (709)772-4997
Facsimile: (709)772-4603
E-mail address: amanda.howell@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

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The Project Authority for the Contract is: (To be completed at Contract award).

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 [To be completed by Offeror.]

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

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

6.6 Payment

6.7.1 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 "A" for a cost of \$ _____.
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.

6.7.2 Single Payment

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

6.7.3 SACC Manual Clauses

SACC Manual Clause C0100C (2010-01-11), Discretionary Audit – Commercial Goods and/or Services
SACC Manual Clause G1005C (2008-05-12), Insurance

6.8 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:

- The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

6.9 Certifications

6.9.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the associated information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

6.10 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.

6.11 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 (2015-07-03), General Conditions – Goods (Medium Complexity);
- (c) Annex A, Requirement/Basis of Payment;
- (d) Annex B, Specifications;
- (e) Annex D, Information for Integrity Provisions;
- (f) the Contractor's bid dated _____ (*insert date of bid*).

6.12 SACC Manual Clauses

SACC Manual Clause B7500C (2006-06-16), Excess Goods

ANNEX "A"

REQUIREMENT/BASIS OF PAYMENT

Requirement:

The Department of Fisheries and Oceans/Canadian Coast Guard operates several island sites consisting of navigation light towers, fog horns, and other associated equipment. The electricity to the sites is currently being provided by a solar power system including an array of Photovoltaic panels which feeds into a battery bank.

This requirement is to supply the Department of Fisheries and Oceans/Canadian Coast Guard with 580 single cell batteries in support of their minor aid to navigation systems in Newfoundland and Labrador. The batteries shall be Value Regulated Lead Acid (VRLA), single cell absorbed glass matt (NOTE: Gel batteries are not acceptable) at a minimum capacity of 1096 amp hours at the C8 to 1375 volts per cell. All interconnection hardware and clips for assembly into a bank of batteries shall be included. Battery dimensions shall not exceed 260mm high X 200mm wide X 700mm long.

Please see the Specification at Annex "B".

The product shall be delivered FOB Destination to the following address:

Department of Fisheries and Oceans
 Technical Stores II
 121 Glencoe Drive
 Mount Pearl, NL A1N 4S7

Basis of Payment: [To be completed by Offeror.]

ITEM DESCRIPTION	PRICE PER UNIT	QUANTITY	TOTAL PRICE
VRLA, single cell absorbed glass matt batteries (Gel batteries not acceptable) including all interconnection hardware and clips for assembly into a bank of batteries	\$ _____	580	\$ _____
	TOTAL		\$ _____

The Offeror must complete the "Suppliers Response" in Appendix" B "" or the offer will be deemed unresponsive:

Has it been completed? Yes or no _____

ANNEX "B"

SPECIFICATION

1.0 GENERAL

1.1 BACKGROUND

The Department of Fisheries and Oceans/Canadian Coast Guard operate several Island sites consisting of navigation light towers, fog horns and other associated equipment. The electricity to the sites is currently being provided by a solar power system including an array of Photovoltaic panels which feeds into a battery bank.

1.2 SCOPE OF SPECIFICATION

To supply the Department of Fisheries & Oceans/Canadian Coast Guard, 580 single cell batteries in support of our minor aid to navigation systems in Newfoundland and Labrador.

The batteries shall be Value Regulated Lead Acid (VRLA), single cell absorbed glass matt (**Note: Gel batteries not acceptable**) at a minimum capacity of 1096 amp hours at the C8 to 1.75 volts per cell. All interconnection hardware and clips for assembly into a bank of batteries shall be included. Battery dimensions shall not exceed 260mm high X 200mm wide X 700mm long.

2.0 COMMON PERFORMANCE REQUIREMENTS

2.1 Battery design details have been compiled based on the available information regarding the existing PV panels and associated battery equipment at the sites. The Batteries shall be designed in accordance with details presented in the following table:

Specification	Battery Requirement
Voltage	2V DC
Amp-hrs	1096 AH at C8 (1.75 volts per cell @ 25°C)
Technology	Valve-Regulated Lead-Acid AGM (absorbed gel matt) GEL NOT ACCEPTABLE
Maximum Size per Battery	Maximum Battery Dimensions: 260mm x 200mm x 700mm (H x W x L)
Maximum Weight per Cell	85Kg
Service Life Minimum	5000 cycles @ 20% DOD 2500 cycles @ 50% DOD
	1200 cycles @ 80% DOD

Wiring Terminals	Front mounted – See section 1.4
Operating Temperature	-40(@10% capacity) to +40°C
Storage Temperature	-40 to + 40°C at 100% charge
Relative Humidity	100%
Compatibility	Off-grid, 48 V Battery Charging System
Atmosphere	Salt air
Off Axis Operation	Leak-Proof
Mounting Position	Horizontal/ Stackable
Max Self Discharge Rate	<or =1%/week@25°C
Charge Voltage - max	2.42 +/-0.05Cpc@25°C
Discharge cycle – capable	deep
Maintenance	Maintenance Free
Flammability	Meet UL94 HB
Transport capable	By air
Carrying Handle	Yes
Reliability	Minimum 7 year Warranty

- 2.2 Value Regulated Lead Acid (VRLA) using absorbed glass matt method of immobilizing.
- 2.3 580 single cell batteries incased in steel closure not to exceed 85kg/cell complete with lifting handles. All batteries shall be of the same manufacture and model.
- 2.4 Steel cases shall be minimum of 4.7mm thick, sand-blasted, prime and painted. Type of paint shall be lead acid resistant.

- 2.5 Batteries shall be horizontally stackable and securable together to form a bank with all interconnections hardware and clips required for assembly provided.
- 2.6 Post access is required for maintenance and battery assessment and shall be elevated above cell cover to allow easy access of meter probes for taking individual cell readings directly off the post.
- 2.7 Batteries shall be 100% of discharge recoverable and shall recover from being frozen with no effects on performance.
- 2.8 Plates: Valve-regulated batteries shall be lead-acid, flat pasted type with lead alloys grids. The positive grid shall consist of patented lead-calcium-tin silver alloy and be capable of deep cycle operation with low gassing, low corrosion rate, and low water loss characteristics. The negative grid shall be constructed of a lead-calcium alloy.
- 2.9 Container and Cover: Valve regulated cell container shall be impact and heat resistant polypropylene or equivalent.
- 2.10 Pressure relief valve: each cell shall have a self-resealing safety valve that operates under a minimum nominal pressure of 3 P.S.I. A flame arrester shall be incorporated in the valve design. The valve shall be removable and replaceable and be equipped with an integrated flame arrestor.
- 2.11 Terminal Protection – Positive battery terminals shall be marked permanently with a positive (+) symbol. Negative terminals shall be marked permanently with a negative (-) symbol. During shipment, some form of terminal protection shall be provided to protect against accidental short circuits
- 2.12 Marking – Each battery shall be clearly marked with the battery type, date manufactured, lot number and the manufactures name.
- 2.13 Finish – All battery exposed surfaces shall be smooth and free of splinters or other sharp protrusions which could be injurious to personnel.
- 2.14 Use of Solder – If solder is used to seal the case of the battery, it shall be lead free.
- 2.15 Transportation – All batteries shall be approved for air transportation.

3.0 CODES AND STANDARDS

3.1 The batteries shall be designed in accordance with the applicable sections of the current revision of the following documents. In the event of conflicting requirements between codes and standards the most stringent will prevail.

- IEEE 937 – Recommended Practice for Installation and Maintenance of Lead – Acid Batteries for Photovoltaic Systems
- ANSI
- NEMA
- ULC
- National Fire Code
- CSA 22.1-15 Canadian Electrical Code
- CSA 22.2, N0. 107.1 – General Use Power Supplies

3.2 All materials and devices shall be in accordance with the appropriate requirements of the Federal “Occupational Safety and Health Regulations”.

3.3 The supply battery manufacture shall be ISO 9001 certified.

3.4 The battery design shall be of proven technology with minimum of (10) years of documented field experience and service support. The Supplier shall provide product data sheets stating the product qualifications.

4.0 TESTING

4.1 The Supplier shall provide a list of standard production tests and shall state the standard factory tests applied, including but not limited to a standard vibration test and a standard handling test.

4.2 Certified test results shall be forwarded to the DFO.

4.3 All deficiencies observed during the testing process shall be documented and corrected prior to shipment.

4.4 Construction – The battery case must be completely enclosed in steel so as to act as a containment capsule should the contents happen to leak.

5.0 SUPPLIER RESPONSE

5.1 The following tables indicate requirements for PV panels and associated equipment. In general, Vendor shall provide “Yes/No” type answers, or provide detail information/data where “Yes/No” response would not be appropriate.

5.2

5.2.1 GENERAL REQUIREMENTS

DESCRIPTION	REQUIREMENT	VENDOR RESPONSE
CSA approved	Components, Devices Wiring Testing	
Canadian Electrical Code (CSA 22.1-15)	Assembly / Fabrication / Method	
Underwriters Laboratories (UL)	Requirements / Testing	

5.2.2 BATTERY DESIGN REQUIREMENTS

DESCRIPTION	REQUIREMENT	VENDOR RESPONSE
Battery Technology	VRLA (Value Regulated Lead Acid), single cell absorbed glass material	
Operating Temperature Range	-40°C to 40°C	
Self-Discharge	0.5 to 1.0% per week maximum at 25°C	
Cycle Life	1200 cycles at 80% DOD (25°C)	
Container and Cover	Polypropylene	
Separators	Spun glass, microporous matrix	
Safety Vent	3-10 psi opening pressure, self-resealing	
Terminals	Solid copper insert	
Positive Plate	Patented Lead-Calcium-Tin-Silver grid alloy	
Negative Plate	Lead –Calcium grid alloy	

Battery Charging	Battery Charge Control kit available for battery charging systems	
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5.2.1 SERVICEABILITY

DESCRIPTION	REQUIREMENT	VENDOR RESPONSE
Response Time	How long will it take to respond to a service call?	
Technicians	Number of Technicians Employed	
Part Availability	Major Parts	

6.0 SHIPPING

- 6.1 The Supplier shall be solely responsible for the provision of adequate shipping protection for the equipment to ensure safe and undamaged arrival of the equipment site.
- 6.2 Equipment shall be protected against vibration and shock damage during transportation, loading and unloading. Further suitable protection shall be provided against corrosion and contamination of any part during transportation and storage.
- 6.3 Parts and accessories shipped separately shall be similarly protected against damage and clearly identified as to end use.

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ANNEX "C"

INFORMATION FOR INTEGRITY PROVISIONS

MUST BE COMPLETED BY OFFEROR WITH BID SUBMISSION

Please provide list of names of the following entities, according to the ownership nature of the company

1. For a Corporation - each current member of the Bidder's Board of Directors;

2. For a Sole Proprietorship or an individual doing business under a firm name - the name of the sole proprietor or individual;

3. For a Joint Venture - the names of all current members of the Joint venture;

4. For an individual - the full name of the person;
