

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**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 Highway Tractor with Chassis Mount	
Solicitation No. - N° de l'invitation F7047-130128/A	Date 2014-01-03
Client Reference No. - N° de référence du client F7047-130128	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-918-64321	
File No. - N° de dossier hp918.F7047-130128	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-02-11	Time Zone Fuseau horaire Eastern Standard Time EST
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: Huda Dahir	Buyer Id - Id de l'acheteur hp918
Telephone No. - N° de téléphone (819) 956-1702 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

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
Vehicles & Industrial Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

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



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	FISHERIES AND OCEANS/PECHES ET OCEANS MCI BUOY BASE MAINTENANCE & CONSTRUCTION P .0, BOX 1000 50 DISCOVERY DRIVE, LEVEL 4 DARTMOUTH.NS B2Y3Z8 ATT: NICOLE KING 902-426-8875	F7047	DEPARTMENT OF FISHERIES AND OCEANS INTEGRATED TECHNICAL SERVICES 200 KENT ST - STN 7W100 OTTAWA Ontario K1A0E6 Canada

Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	Highway Tractor with Chassis Mount ed 36 ton Department of Fisheries and Oceans requires the Highway Tractor with Chassis Mounted Crane in accordance with Annex "A" - Class 8 Highway Tractor with a Chassis Mounted 36 Ton Knuckle Boom (crane) -Department of Fisheries and Oceans which is attached hereto.	D-1	F7047	1	Each	\$	XXXXXXXXXXXX	See Herein	

REQUEST FOR PROPOSAL (RFP)

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this Bid solicitation.

2. Requirement

Department of Fisheries and Oceans requires the vehicle as detailed herein, in accordance with Annex "A" - Class 8 Highway Tractor with a Chassis mounted 36 Ton Knuckle Boom (crane) attached hereto.

3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation. Bidders should make the request to the Contracting Authority within 15 working days of receipt of notification that their bid was unsuccessful. The debriefing may be provided in writing, by telephone or in person.

4. Interpretation

The mandatory requirements stated in this Request for Proposal use the words "must" or "mandatory". Proposals not meeting all of the mandatory requirements will be given no further consideration.

PART 2 - BIDDER INSTRUCTIONS

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 (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) 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 (2013-06-01)** 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: sixty (60) days

Insert: ninety (90) days

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.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than **seven (7) 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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

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

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.

5. Environmental Considerations

Canada is committed to greening its supply chain. In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to acquire products and services that have a lower impact on the environment than those traditionally acquired. Environmental performance considerations include, among other things: the reduction of greenhouse gas emissions and air contaminants; improved energy and water efficiency; reduced waste and support reuse and recycling; the use of renewable resources; reduced hazardous waste; and reduced toxic and hazardous substances. In accordance with the Policy on Green Procurement, for this solicitation:

- Offerors / suppliers are requested to provide all correspondence including (but not limited to) documents, reports and invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.
- Offerors / suppliers should recycle (shred) unneeded copies of non-classified/secure documents (taking into consideration the Security Requirements).
- Product components used in performing the services should be recyclable and/or reusable, whenever possible.

6. Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least **seven (7)** calendar days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications and Additional Information (1 hard copy)

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 and
- (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>). To assist Canada in reaching its objectives, bidders should:

- 1) use 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.

2. 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.

Bidders must complete and submit by the bid closing date and time the following;

- 1) Annex "A" - Class 8 Highway Tractor with a Chassis mounted 36 Ton Knuckle Boom (crane).
- 2) Appendix "1" - TECHNICAL INFORMATION QUESTIONNAIRE.

2.1 Equivalent Products

2.1.1 Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:

- (a) designates the brand name, model and/or part number of the substitute product;
- (b) states that the substitute product is fully interchangeable with the item specified;
- (c) provides complete specifications and descriptive literature for each substitute product;

- (d) provides compliance statements that include technical specifics showing the substitute product meets all mandatory performance criteria that are specified in the bid solicitation; and
 - (e) clearly identifies those areas in the specifications and descriptive literature that support the substitute product's compliance with any mandatory performance criteria.
- 2.1.2 Products offered as equivalent in form, fit, function and quality will not be considered if:
- (a) the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - (b) the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.
- 2.1.3 Offerors / suppliers are encouraged to offer or suggest green solutions whenever possible.
- 2.1.4 In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to demonstrate, at the sole cost of bidders, that the substitute product is equivalent to the item specified in the bid solicitation.

3. Section II: Financial Bid

The Bidders must submit their prices in the "Line item Detail" and in accordance with the Basis of Payment identified in **Part 6 - RESULTING CONTRACT CLAUSES**, at **Clause 6.1 Basis of Payment**.

3.1 Exchange Rate Fluctuation

- 3.1.1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form PWGSC-TPSGC 450 This information is only accessible to federal government employees., Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
- 3.1.2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
- 3.1.3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
- 3.1.4. At time of bidding, the Bidder must complete columns (1) to (4) on form PWGSC-TPSGC 450 This information is only accessible to federal government employees., for each line item where they

want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.

- 31.5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

4. Section III: Certifications and Additional Information

Bidders must submit the certifications required under **PART 5 - CERTIFICATIONS**.

4.1 Additional Information

Canada requests that bidders submit the following information:

4.1.1 Delivery

While delivery of the vehicle is requested by March 31, 2014 the best delivery that can be offered is as follows:

Item 001 – QTY 1, Highway Tractor with Chassis Mounted Crane will be delivered within _____ calendar days from the effective date of the contract.

4.1.2 Manufacturer's Standard Warranty Period

Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the vehicle/equipment and its component that exceeds the minimum warranty period of twelve (12) months.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

2. Technical Evaluation

- 2.1 The purpose of the technical evaluation is to determine if the goods and/or services offered meet all mandatory technical requirements outlined in the documents enumerated hereafter and as required in Section I - Technical Bid of Part 3 -BID PREPARATION INSTRUCTIONS:
 - 1) Annex "A" - Class 8 Highway Tractor with a Chassis mounted 36 Ton Knuckle Boom (crane).
 - 2) Appendix "1" - TECHNICAL INFORMATION QUESTIONNAIRE.

3. Financial Evaluation

- 3.1 The purpose of the financial evaluation is to determine the lowest price using the information submitted in "Line item Detail"
- 3.2 Bids will be evaluated on an aggregate price basis for the item and quantity.

4. Basis of Selection

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

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and documentation 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 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 with this request will also render the bid non-responsive or will constitute a default under the Contract.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

1.2 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 (http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml) available from Human Resources and Skills Development Canada (HRSDC) - 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.

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PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this contract.

2. Requirement

The Contractor must deliver QTY1, Highway Tractor with Chassis Mounted Crane in accordance with Annex "A" - Class 8 Highway Tractor with a Chassis mounted 36 Ton Knuckle Boom (crane).

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 (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) Manual issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2013-04-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery of Vehicle/Equipment

Delivery of the vehicle must be made as follows:

Item 001 - QTY 1, Highway Tractor with Chassis Mounted Crane must be delivered on or before _____ (Date to be inserted by PWGSC at time of contract award.)

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Huda Dahir
Title: Supply Specialist
Organization: Public Works and Government Services Canada - Acquisitions Branch
LEFT Directorate, HP Division,
7A2, Place du Portage, Phase 3, 11 Laurier Street, Gatineau Quebec,
K1A 0S5
Telephone: 819 956-1702
E-mail: huda.dahir@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.

5.2 Procurement Authority

The Procurement Authority for the Contract is:

Name: _____ (To be inserted by PWGSC at time of contract award.)

Title: _____

Organization: _____

Address _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

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 Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 Technical Authority:

The Technical Authority for the Contract is:

Name: _____ (To be inserted by PWGSC at time of contract award.)

Title: _____

Organization: _____

Address _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

The Technical Authority named above 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 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.

5.4 Contractor's Representative

Name and telephone number of the person responsible for :

General enquiries

Name: _____ (To be completed by the bidder.)

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

6.3.3 No price adjustment directly resulting from the application of the provisions contained in this clause will be applied for increases or decreases in the exchange rate within a variation of: plus or minus 2 percent of the exchange rate(s) mentioned above; or plus or minus \$100 of the total cumulative amount claimed for exchange rate adjustment under the Contract.

6.3.4 On each invoice or claim for payment submitted under the Contract, the Contractor must indicate the exchange rate adjustment amount (either upward, downward or no change) as a separate item. In addition, the invoice must be accompanied by a copy of CBSA Form B3-3, Canada Customs Coding Form, for the imported goods, services or both.

6.3.5 Canada will have the right to audit any revision to costs and prices under this clause.

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. Offerors / suppliers are requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.

Invoices must be distributed as follows:

- 1) The original and one copy of the Contractor's own invoice must be forwarded by mail to:

Name: _____ (To be inserted by PWGSC at time of contract award.)
 Title: _____
 Telephone: ____ - ____ - ____
 Facsimile: ____ - ____ - ____
 E-mail: _____

- 2) One copy of all invoices to the PWGSC Contracting Authority.

8. Certifications

8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation 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.

9. Applicable Laws

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

10. Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2013-04-25) General Conditions - Goods (MediumComplexity);
- (c) Annex "A" - Class 8 Highway Tractor with a Chassis mounted 36 Ton Knuckle Boom (crane);
- (d) Appendix "1" - TECHNICAL INFORMATION QUESTIONNAIRE;
- (e) the Contractor's bid dated _____.

11. SACC Manual Clauses

The following clauses set out in the SACC Manual must form part of this Contract:

A1009C	Work Site Access	2008-05-12
A9049C	Vehicle Safety	2011-05-16
B1505C	Shipment of Hazardous Materials	2006-06-16
G1005C	Insurance	2008-05-12

12. 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.

13. Preparation for Delivery

The vehicle / equipment must be serviced, adjusted and delivered in condition for immediate use. The interior and exterior must be cleaned before leaving the factory and being released to Department of Fisheries and Oceans personnel at the final delivery location.

The fuel tanks must be at least half full prior to release of the vehicle(s) to Department of Fisheries and Oceans personnel.

Any attempt by the carrier to deliver vehicles will be refused unless arrangements have been made for authorized, qualified personnel to be available to perform inspections and to accept the delivery. When the carrier is required to return due to its failure to make an appointment for delivery, Canada will not be liable to pay for additional costs.

14. Shipping Instructions - Delivery at Destination

The Contractor must ship the goods prepaid DDP - Delivered Duty Paid to:

Fisheries and Oceans
MCI Buoy Base Maintenance & Construction
P.O. Box 1000, 50 Discovery Drive, Level 4
Dartmouth, NS B2Y 3Z8

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Unless otherwise directed, delivery must be made by the most economical means. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and taxes.

Item 001 - the contact person for delivery is: _____ (to be inserted by PWGSC at time of contract award) .

15. Post-Contract Award Meeting/Pre-Production Meeting

Within ten (10) working days of the receipt of the contract, the Contractor must contact the Technical Authority to determine the details of a pre-production meeting. The meeting will be held at the Contractor's plant _____ (please specify location). Cost of holding such pre-production meeting must be included in the price of the bid. Please note that the travel and living expenses for Government Personnel will be arranged and paid for by the Crown.

16. Material

Material supplied must be new, unused and of current production by manufacturer (2014 model-year or newer).

17. Spare Part Availability

The contractor must ensure that spare parts required to properly maintain and repair the complete vehicle covered by this specification will be available for purchase by the Department of Fisheries and Oceans, or its authorized agents, for a period of **ten (10) years**.

18. Packaging

The methods used for preservation and packaging must be in conformity with the contractor's normal standard for domestic shipment or, if necessary, with standards for overseas shipment (as below deck cargo).

19. Warranty

The manufacturer's standard warranty of **(to be inserted by PWGSC at time of contract award)**(_____ months or _____ km) as administered through the designated dealer or authorized agent apply.

20. Interchangeability

Unless changes during the production run are authorized by PWGSC, all vehicles supplied against any one item of a contract must be the same make and model, and all like assemblies, sub-assemblies and parts must be interchangeable.

Annex “A” - Class 8 Highway Tractor with a Chassis mounted 36 Ton Knuckle Boom(crane)

Statement of Requirement

1. General Overview

Canadian Coast Guard, Integrated Technical Services-Marine and Civil Infrastructure (ITS-MCI), facility at Dartmouth base has a requirement for a Class 8 Highway tractor with a chassis mounted 36 ton knuckle crane. This vehicle is to provide material handling services to meet the requirements of all MCI operational program work and future major capital project work. The truck and crane supplied, as a combination, must comply with all of the Nova Scotia Department of Transportation rules and regulations. The following paragraphs identify the requirements that will allow ITS-MCI to carry-out these services.

The supplied equipment must be provided with complete operating manuals in both official languages.

Truck and crane are to be undercoated as to prevent corrosion.

2. Crane Requirements

General

The crane must be in compliance with all codes, standards, and regulations applicable to the Province of Nova Scotia.

The crane must also be in compliance with all Federal codes, standards and regulations.

The crane must have a cast steel base rather than a welded base for the purpose of increased stress resistance.

Capacity

This crane shall have a minimum lift capacity of approximately 2500 lbs (1134 kgs) at an approximate radius of 62 ft(20m). The crane must include a capacity chart for picking-up material that supports this request.

Rotation

This crane must be capable of a 400° rotation in both directions. 360° rotation would be acceptable.

Controls

This crane must be equipped with two sets of controls to operate the full function of the crane, outriggers, and winch. One set to be mounted on each side of the crane.

Remote Control

In addition to the fixed controls, the crane must also be provided with a remote control, complete with charging equipment and spare battery if applicable, to control all of the functions of the crane, outriggers and winch remotely.

Outriggers and Stabilizers

The crane must be equipped with hydraulically operated stabilizers and outriggers. The truck must be outfitted with the correct amount of stabilizers and outriggers to suit the capacity of the crane.

Winch

The crane must be equipped with a winch cable operating device. It shall also include a stop-limiter system which avoids the risk from direct and indirect overload applied to the winch itself. The winch capacity must be capable of meeting the minimum load/lifting requirements as stated above in **Capacity**.

Hooks

The crane must be equipped with all appropriate hooks, both affixed to the end of the boom and to the winch cable.

Hydraulic System

The hydraulic system must be a closed center type consisting of a variable displacement high-pressure pump which supplies oil to main control valve and an outrigger control valve. The pump must be driven by the truck chassis transmission power take-off (PTO), whose controls are to be dash-mounted in the cab of the truck. An all-plastic, crane mounted reservoir designed to be resistant to shocks, weather and corrosion must be supplied.

Acceptable Model(s)

Fassi F365A.2.27, Fassi F365RA.2.27 or an equivalent.

Minimum Truck Requirements

It is the supplier's responsibility to ensure that the truck provided meets the requirements of this crane and all other requirements identified elsewhere in the *Statement of Requirements*.

3. Truck Requirements

General

The truck must be capable of supporting a mobile aerial crane and must be of a class 8 tractor/trailer configuration.

Engine

The engine must meet the following minimum requirements:

Fuel: Diesel

Power: 500hp to 600hp

Torque: 1650 – 2050 ft-lb

Emissions: Must meet Tier(4) emission standards

Acceptable Engines: Detroit Diesel DD16

Cummins ISX15

Paccar MX-13

Engine Equipment:

- Engine compression brake
- Engine protection shutdown
- Max speed in top gear 120 km/h on pedal
- Max speed in top gear 110 km/h on cruise
- 50 hp differential between on pedal driving and cruise control
- PTO RPM speeds dependent upon crane specifications.
- Dual curved vertical tailpipes B-Pillar mounted. Not to exceed roof height of 11 feet (132inches.)
- Stainless steel exhaust stack shields
- Dual stainless steel cowl mounted air cleaners
- Standard -20° cold weather 1500 watt/115volt AC block heater
- Copper/brass radiator
- Engine off coolant heating system. Warms engine and interior of cab while engine is off. Must meet North American emission standards. Webasto brand or equivalent.
- 4 maintenance free 4400 CCA 12 volt threaded stud batteries
- Engine software package and applicable interface adapter
- Two batteries for sleeper peripheral devices with isolator.

Minimum Transmission Requirements:

- 18 speed manual transmission
- Air to oil transmission cooler
- Power take-off

Acceptable transmission: Eaton Fuller RTLO-16918B or equivalent.

Minimum Front Axle and Equipment Requirements:

- Set-forward front axle
- Drop single front axle

- Front brakes with Non-asbestos front brake lining, dust shields and automatic slack adjusters.
- Power steering
- Power steering cooler

Minimum Front Suspension Requirements:

- 20,000 lb taper leaf front suspension
- Front shock absorbers

Minimum Rear Axles and Equipment Requirements:

- 46,000 lb tandem rear axles
- 3:91 rear axle ratio
- Driver controlled traction differential on both tandem axles.
- Inter-axle lock valve (4-way lock-up or full lock-up)
- Automatic rear slack adjusters
- Non-asbestos brake lining

Minimum Rear Suspension Requirements:

- 46,000 lb Airliner rear suspension, or equivalent.
- 51" axle spacing
- Rear Shock absorbers – two axles (tandem) – air ride suspension.
- Air suspension dump valve. Dump valve control to be located in cab of truck.

Tires:

Front: Michelin XFE 385/65R22.5 20 ply radial front tires or equivalent.

Rear: Michelin XDS2 11R22.5 16 ply radial rear tires or equivalent.

Drive tires to have mud/snow tread pattern.

Wheels:

- Alcoa LVL One 82462x22.5x12.25 10-Hub Pilot inset 10-Hand Aluminum Disc front wheels. Or equivalent.
- Alcoa LVL One 98367x22.5x8.25 10-Hub Pilot Aluminum Disc Rear wheels. Or equivalent
- All wheels to be aluminum.

Fuel Capacity:

Minimum 200 gallon (757 litres)

Fuel Tanks:

- Fuel tanks to be mounted on both sides of the truck. (Saddle tanks)
- Configuration of fuel tanks are not to interfere with crane operation and will require affixed steps where applicable.

Chassis Equipment:

- Tapered sweptback polished aluminum front bumper.
- Front fender mounted mud flaps.
- Rear mud flaps and brackets.
- Aluminum drive- wheel (front tandem) fender and brackets. Or equivalent.
- Non-removable centered front tow pin for highway or construction bumper.
- Two chassis mounted aluminum storage boxes (lockable), of allowable size.

Wheelbase and Frame:

- Wheelbase should be no less than 228 inches. (Center of front axle to center of rear- tandem axle.) This request is to accommodate the existing trailer to be used in conjunction with this tractor.

Fifth Wheel:

- Fifth wheel coupler must meet or exceed towing and GVW requirements for this truck.
- Fifth wheel is to an air assisted sliding type. Fifth wheel slide controls to be located in the cab of the truck.
- Left-hand (LH) pin release.

4. Truck Cab

Truck Cab Exterior:

- Galvanized steel severe service cab. Or Equivalent.
- 40 inch low roof sleeper bunk.
- Stainless Steel cab and sleeper skirts with LED safety lights..
- Dual shielded roof mounted air horns.
- Single electric horn.
- Dual amber Nova Scotia Department of Transportation approved, 360° warning lights.
- Auxiliary lighting to illuminate 200 feet behind vehicle.
- Dual West Coast stainless steel electric power heated mirrors with right hand remote.
- Left and right side 8 inch convex heated mirrors mounted below above mirrors.
- Stainless Steel exterior sun visor.
- Right and left-hand electric powered windows.
- LED marker lights.
- Flush mount stop/tail/backup lights.
- LED fender mounted front turn signal.
- Tinted, heated windshield.
- Air ride cab and sleeper.
- Auxiliary battery box for sleeper peripheral devices. (Fridge, tv, etc.)
- Stainless steel grab handles – mounted driver side and passenger side.
- Stainless steel grab handles mounted driver side and passenger side at the back of the sleeper.

Truck Cab Interior minimum requirements:

- Minimum interior cab width of 70 inches.
- Air-conditioning
- Heater/Defroster
- Separate heating/cooling sleeper heating controls.
- Door activated dome lights.
- Left and right hand courtesy lights
- In-dash 12v power supply
- Driver and passenger high back premium air ride seats, with adjustable lumbar support and adjustable arm rests.
- 18 inch steering wheel.
- Steering wheel to be tilting and telescopic.
- Driver and passenger sun visors
- AM/FM radio with CD player, satellite (SiriusXM or equivalent) ready, Bluetooth and Microphone with front auxiliary inputs.
- Premium sound system in cab and sleeper.
- Auxiliary radio/speaker controls in sleeper.
- Auxiliary CB radio speaker. Or combination with the sound system is permissible.
- 12v power supply in sleeper. Fridge.
- Minimum 1000 watt power inverter to be installed in the sleeper, for peripheral devices.
- Additional cab insulation package.
- Additional sleeper insulation package.
- Two bunks in sleeper. Fold down style permissible. One mandatory, two if available.
- Storage bins in sleeper.
- Mattress(es) to accommodate bunk(s).
- Sleeper windows.
- Slidable window shades.
- Double cup holders

- Triangular reflectors without flares.
- 5 lb fire extinguisher.

Instrumentation and Controls minimum requirements:

- 2" primary and secondary air pressure gauges.
- 97 Db backup alarm.
- Cruise control and switches.
- Fuel Gauge.
- Temperature gauges. (Coolant, transmission, oil, etc.)
- Turbo gauge.
- Trailer hand-control brake valve.
- Windshield wipers with delay.
- VSM non-cancelling turn-signal switch with integral headlamp dimmer with brake override.
- Installed illuminated CB Cobra radio. Or equivalent.
- Pre-wiring for under dash mounted VHF radio
- Rear center mounted roof UHF/VHF radio antenna
- Cab marker lights and headlight switch with separate switch for trailer marker lights and interrupt for trailer lights.
- Engine fan switch.
- Three valve parking brake system. Ability to haul multiple trailers (train) is a possible consideration.
- Installed air-weigh truck scale dual air drive system. Must also include dash mounted suspension gauge.
- Outside air temperature gauge with Fahrenheit and Celsius display.
- Dash mounted PTO control with indicator light.
- Engine information display system.

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Other:

- Truck shall be delivered in Coast Guard red, with appropriate interior color.
- A representative of Dartmouth ITS-MCI group reserves the right to review the final submitted detailed truck specifications.

APPENDIX 1 - TECHNICAL INFORMATION QUESTIONNAIRE

Bidders are required to complete the following questionnaire

A) This is not a purchase description but rather a generic specifications sheet designed to cover the majority of vehicle purchases in this class. Refer to **Annexe "A" - Class 8 Highway Tractor with a Chassis mounted 36 Ton Knuckle Boom (crane).**

B) Fill out the form where applicable in order to provide details on the unit(s) you are offering.

(1) Cab and Chassis Make: _____ Model: _____
Year: _____

(2) GVWR _____ lbs. GCWR
lbs.

(3) Dimensions WB: _____ inches CA: _____ inches

(4) Engine Make: _____ Model:

Net HP: _____ HP at _____ RPM

Net torque: _____ lbs. feet at _____ RPM

(B) Radiator Shutters Make: _____ Model:

(5) Transmission Make: _____ Model: _____ No. of
Speeds:

(B) Clutch Type: _____ Size:

(C) Transfer Case Make: _____ Model:
Ratio:

(6) Front Axle Make: _____ Model: _____ Capacity:
lbs.

(7) Rear Axle Make: _____ Model:

Capacity: _____ lbs. Ratio(s):

(8) Suspension
Capacity at Ground Front: _____ lbs. each Shocks:

Rear: _____ lbs. each Shocks:

Auxiliary: _____ lbs. each

- (9) Tires Front size: _____ X _____ Ply/PR: _____ Tread:
Rear size: _____ X _____ Ply/PR: _____ Tread:
Spare size: _____ X _____ Ply/PR: _____ Tread:

(10) Frame Material: _____ RBM: _____ in lbs.

(B) Reinforcement Type: _____ RBM: _____ in lbs.

- (11) Fuel Tank(s) Qty: _____ Type(s):
Capacity (each): _____ Gallons Locations:

(12) Battery(s) Qty: _____ Individual battery rating:
CCA

Total capacity: _____ CCA

(13) Alternator Output: _____ amps

(14) Steering Type: _____ Model:

(15) Brakes Type: _____ Size Front: _____ Rear:

(B) Compressor Make: _____ Model:
Capacity: _____ CFM

(C) Air Dryer Make: _____ Model:

(D) Moisture Ejector Make: _____ Model:

(16) Seats Driver's Make: _____ Model:

Passenger's Make: _____ Model:

(17) Accessories

(18) Instruments

(19) VEHICLE PERFORMANCE (truck at full GVWR)

Geared Top Speed - _____ MPH (SAE J688)

(20) Snow Plough Make: _____ Model:

Blade length: _____ inches Height intake: _____ inches

Discharge: _____ inches

(21) Hopper/Spreader Specifications Make: _____

Model: _____

Capacity: _____

Engine size: _____

Gear box ratio: _____

Spreader capabilities: minimum _____ feet maximum
_____ feet

(22) Dump Body Make: _____ Model:

Capacity: _____ cubic yards

Dimensions

Inside length: _____ inches width: _____ inches

Heights front: _____ inches sides: _____ inches tailgate:
inches