



**RETURN BIDS TO:**

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Travaux publics et Services gouvernementaux  
Canada  
Place Bonaventure, portail Sud-Oue  
800, rue de La Gauchetière Ouest  
7e étage, suite 7300  
Montréal  
Québec  
H5A 1L6  
FAX pour soumissions: (514) 496-3822

**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**  
Travaux publics et Services gouvernementaux Canada  
Place Bonaventure, portail Sud-Oue  
800, rue de La Gauchetière Ouest  
7e étage, suite 7300  
Montréal  
Québec  
H5A 1L6

<b>Title - Sujet</b> Heavy Machinery for Environment Can	
<b>Solicitation No. - N° de l'invitation</b> K2C94-200392/B	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> K2C94-200392	<b>Date</b> 2019-12-23
<b>GETS Reference No. - N° de référence de SEAG</b> PW-SMTA-625-15547	
<b>File No. - N° de dossier</b> MTA-9-42152 (625)	<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 2020-01-27</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Heure Normale du l'Est HNE
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes	
<b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Lavoie, Corine	<b>Buyer Id - Id de l'acheteur</b> mta625
<b>Telephone No. - N° de téléphone</b> (514) 207-4777 ( )	<b>FAX No. - N° de FAX</b> (514) 496-3822
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<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/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

## AMENDMENT 001

The purpose of this amendment is the following:

- 1) Extend the closing date of the Request for Proposal to January 27, 2020.
- 2) Provide questions and answers along with amendments to the Request for Proposal document.

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### Product #1

#### Wheel Loader

Total loaded mass of 15,400 kg minimum

### AMENDMENT #1

#### Section 4 – Specifications

**Question:** The Breakout Force required is 117 kN = 11,931 lbs. If, as stipulated in section 8, we install a coupler on the CAT machine, I drop below 117 kN (11,931 lbs). I drop to 11,039 lbs or 110.9 kN. Can you add an addendum so that I'm compliant?

Delete Section 4 and insert the following:

<b>4</b>	<b>SPECIFICATIONS</b> 4.1 Nominal capacity of the bucket: $\geq 2.7 \text{ m}^3$ 4.2 Dump clearance at pivot point 3,950 mm 4.3 Overall height, ground to top of cab $\leq 3,500 \text{ mm}$ 4.4 Curb weight: $\geq 15,400 \text{ kg}$ 4.5 Breakout force of <b>110 kN</b> minimum
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### AMENDMENT #2

#### Section 5 - Tipping Load

**Question:** You ask whether the loader has a straight line tipping load of a minimum of 11,500 kg. If I install a coupler, as stipulated in section 8, I drop with a capacity of 11,245 kg. Can you add an addendum so I am compliant?

Delete Section 5 and insert the following:

<b>5</b>	<b>TIPPING LOAD</b> 5.1 Tipping capacity in a straight line of <b>11,200 kg</b> minimum 5.2 Tipping capacity in full turning position of 9,700 kg minimum
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### **AMENDMENT #3**

#### **Section 8 – Quick attachment**

**Question:** Is it possible to have the manufacturer of the bucket or the unit the bucket was on? There are several accessory manufacturers and they all have their own type of vertical pin couplers for loader buckets.

Delete Section 8 and insert the following:

<b>8</b>	<p><b>QUICK ATTACHMENT</b></p> <p>8.1 The wheel loader, bucket and forks must be equipped with a <b>robust</b> quick coupler that is compatible with the accessories at the Eureka site. Quick coupler with lateral locking bolts. <b>Compatible with CRAIG model 721D T3042102.</b></p>  <p>8.2 The quick coupler control installation must use an independent hydraulic system. The third function system must remain available for other equipment.</p>
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### **AMENDMENT #4**

#### **Section 12 – Fork**

**Question on the dimensions of the forks.**

Delete Section 12 and insert the following:

<b>12</b>	<p><b>FORKS</b></p> <p>12.1 Fork with load backrest. 12.2 Maximum height of the backrest of 1524 mm. 12.3 Manually adjustable fork width. 12.4 With side shift installed on the third valve. 12.5 Fork lengths with a nominal length of 1220 mm</p>
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**AMENDMENT #5**

**Section 14 - Automatic greasing system**

**Question a) :** Can you please provide a rationale for Specification 14 (re: automatic greasing system) for each of these pieces of equipment? We also manufacture auto greasers and can provide documentation to show compatibility and comparability and would like to be considered as a supplier.

**Question b) :** Please make an addendum in order to have the correct system site and the appropriate lubrication. In addition, your units seem to be missing a few systems to deal with the Arctic cold.

**Answer b) :** The modification on the type of lubrication has already been done. The SSVD block metering devices are being kept in order to be able to dose the lubrication by circuit.

Delete Section 14 and insert the following:

<b>14.</b>	<b>AUTOMATIC GREASING SYSTEM</b>
	<p>14.1 One (1) Lincoln-type automatic greasing system or equivalent, installed and fully operational:</p> <ul style="list-style-type: none"><li>14.1.1 Series 203 pump, model 94422, including a low-level and malfunction sound or light indicator, installed within the operator's cab.</li><li>14.1.2 Tank equipped with a built-in paddle to agitate the grease, visible from the outside.</li><li>14.1.3 The tank must hold a minimum of 4 kg of lubricating grease rated for arctic conditions.</li><li>14.1.4 Each dispenser must be equipped with a fitting for manual feed.</li><li>14.1.5 The grease dispenser must be from the QUICKLUB series.</li><li>14.1.6 The pump must be equipped with a primary SSVD supply block, which will feed secondary SSVD supply blocks.</li><li>14.1.7 All greasing points must be adjustable.</li><li>14.1.8 All OEM greasers, plus those greasers added when a quick attachment is installed.</li><li>14.1.9 Indicate the greasing points that will not be greased by the system.</li><li>14.1.10 All greasing hoses must be high pressure, with a minimum pressure of 4,000 psi and an inside diameter of 1/8 inch.</li><li>14.1.11 The valves must be fully lubricated when the system powers up.</li><li>14.1.12 Stainless steel hose fittings with hose protectors.</li><li>14.1.13 All hoses must be 100% protected with a loom-type sheath, and be solidly attached to the loader.</li><li>14.1.14 All connections must be reusable on the entire installation.</li><li>14.1.15 Greasing frequency must be adjustable by means of a timer, and equipped with an end-of-cycle switch.</li><li>14.1.16 The automatic greasing system tank must be installed on the left side of the equipment.</li><li>14.1.17 The system must provide a visual or audible alert when a duct is clogged.</li><li>14.1.18 The system must provide a visual or audible alert when the grease level in the tank is low.</li><li>14.1.19 A set of separate parts (adapters, hoses, etc.) must be furnished in a case so that minor repairs can be done.</li><li>14.1.20 System installation must not affect the structural integrity of the equipment's components.</li></ul>

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**AMENDMENT #6**

**Section 25 - Transmission**

**Question:** Transmission: A hydrostatic countershaft transmission does not exist. It's one or the other. Would you accept a unique hydrostatic transmission?

**Answer:** A unique hydrostatic transmission is acceptable, as stated in the specifications.

**AMENDMENT #7**

**Section 28 - Differentials**

**Question:** Differential: We have a differential lock switch in front and automatic in the rear. Can you create an addendum or approve this modification?

**Delete Section 28 and insert the following:**

28.	<b>DIFFERENTIALS</b>
	28.1 Must have a front and rear locking differential.
	28.2 <b>Rear differential, can be locked automatically or on command.</b>
	28.3 <b>Front differential can be locked on command.</b>

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**AMENDMENT #8**

**Question on equipment capacity**

The requested weight is 19,000 kg in the title and in section 4: 4.1, operating weight, it is 19,200 kg.

**Answer :** Delete following title

**Product #2**

**Grader**

Total loaded mass of 19,000 kg minimum

**Insert the following title :**

**Product #2**

**Grader**

Total loaded mass of **19,200** kg minimum

**Delete Section 1 and insert the following:**

<b>1</b>	<p><b>SUBJECT:</b> These technical specifications detail Environment Canada's requirements for the supply of a new grader with capacity for a total loaded mass of &gt; <b>19,000 kg</b>. The equipment will be delivered with a 4,267-mm blade and associated wear blades. The equipment will be deployed in Eureka, Nunavut. <b>IMPORTANT NOTE:</b></p> <ul style="list-style-type: none"><li>• Prototype, demonstrator, reconditioned and used items will not be accepted.</li></ul>
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**Delete Section 4 and insert the following:**

<b>4</b>	<p><b>SPECIFICATIONS</b> 4.1 Curb weight <math>\geq</math> <b>19,200 kg</b> 4.2 <b>Maximum blade pull <math>\geq</math> 15 250 kg.</b></p>
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**Delete Section 12 and insert the following:**

<b>12</b>	<p><b>ENGINE</b> 12.1 Diesel, six (6) cylinders, turbocharged. <b>12.2 Minimum cylinder capacity <math>\geq</math> 8.9 litres</b> 12.3 Variable power based on the transmission speed – Power up to 230 hp minimum in eighth forward speed. 12.4 Original manufacturer's drain cock for all liquids.</p>
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**AMENDMENT #9**

**Section 9 - Counterweights**

**Question:** The requested weight is 19,200 kg. It is only with original counterweight and coupling as in section 9. There is no other hydraulic accessory except the mouldboard requested in section 8 so do we need to comply with the weight without adding any non-required hydraulic accessory such as scarifier or snow blade? Are you accepting an original push block for the front of the unit? This is an optional accessory, but it stabilizes the machine and can be very useful for pushing another machine.

**Answer:** The required total loaded mass is at least 19,200 kg with standard equipment and without accessories. This means the original counterweight, the mouldboard and the blade. No additional equipment or counterweights are required and they will not be considered in the requested total loaded mass.

## **AMENDMENT #10**

### **Section 11 - Automatic greasing system**

**Question a)** : Can you please provide a rationale for Specification 14 (re: automatic greasing system) for each of these pieces of equipment? We also manufacture auto greasers and can provide documentation to show compatibility and comparability and would like to be considered as a supplier.

**Question b)** : Please make an addendum in order to have the correct system site and the appropriate lubrication. In addition, your units seem to be missing a few systems to deal with the Arctic cold.

**Answer b)** : The modification on the type of lubrication has already been done. The SSVD block metering devices are being kept in order to be able to dose the lubrication by circuit.

Delete Section 11 and insert the following:

<b>11.</b>	<b>AUTOMATIC GREASING SYSTEM</b>
	<p>11.1 One (1) Lincoln-type automatic greasing system or equivalent, installed and fully operational:</p> <p>11.1.1 Series 203 pump, model 94422, including a low-level and malfunction sound or light indicator, installed within the operator's cab.</p> <p>11.1.2 Tank equipped with a built-in paddle to agitate the grease, visible from the outside.</p> <p>11.1.3 The tank must hold a minimum of 4 kg of lubricating grease rated for arctic conditions.</p> <p>11.1.4 Each dispenser must be equipped with a fitting for manual feed.</p> <p>11.1.5 The grease dispenser must be from the QUICKLUB series.</p> <p>11.1.6 The pump must be equipped with a primary SSVD supply block, which will feed secondary SSVD supply blocks.</p> <p>11.1.7 All greasing points must be adjustable.</p> <p>11.1.8 All OEM greasers, plus those greasers added when a quick attachment is installed.</p> <p>11.1.9 Indicate the greasing points that will not be greased by the system.</p> <p>11.1.10 All greasing hoses must be high pressure, with a minimum pressure of 4,000 psi and an inside diameter of 1/8 inch.</p> <p>11.1.11 The valves must be fully lubricated when the system powers up.</p> <p>11.1.12 Stainless steel hose fittings with hose protectors.</p> <p>11.1.13 All hoses must be 100% protected with a loom-type sheath, and be solidly attached to the loader.</p> <p>11.1.14 All fittings must be reusable on the entire installation.</p> <p>11.1.15 Greasing frequency must be adjustable by means of a timer, and equipped with an end-of-cycle switch.</p> <p>11.1.16 The automatic greasing system tank must be installed on the left side of the equipment.</p> <p>11.1.17 The system must provide a visual or audible alert when a duct is clogged.</p> <p>11.1.18 The system must provide a visual or audible alert when the grease level in the tank is low.</p> <p>11.1.19 A set of separate parts (adapters, hoses, etc.) must be furnished in a case so that minor repairs can be done.</p> <p>11.1.20 System installation must not affect the structural integrity of the equipment's components.</p>

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**AMENDMENT #11**

**Section 34 – auxiliary Circuit**

**Question:** And in section 34, with respect to the auxiliary circuits that you are requesting, do you have any ideas about the attachments that you want to add? Thanks.

**Answer:** At this time, no accessories are identified. The grader may have a wing plow or front scarifier in the future.

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**Product #5**

**Wheel Loader**

Total loaded mass of 11,500 kg minimum

**AMENDMENT #12**

**Section 4 - Specifications**

**Question:** Could there please be an addendum for the 11,500 kg operating weight to replace it with a weight of 9,500 kg?

**Answer:** The title of the specification currently describes equipment with a total loaded mass of 11,500 kg maximum.

**AMENDMENT #13**

**Section 12 – Forks**

**Question on the dimensions of the forks.**

**Delete Section 12 and insert the following:**

12	<b>FORKS</b>
12.1	Fork with load backrest.
12.2	Manually adjustable fork width.
12.3	With side shift installed on the third valve.
12.4	<b>Fork lengths with a nominal length of 1220 mm</b>

## **AMENDMENT #14**

### **Section 14 - Automatic greasing system**

**Question a)** : Can you please provide a rationale for Specification 14 (re: automatic greasing system) for each of these pieces of equipment? We also manufacture auto greasers and can provide documentation to show compatibility and comparability and would like to be considered as a supplier.

**Question b):** Please make an addendum in order to have the correct system site and the appropriate lubrication. In addition, your units seem to be missing a few systems to deal with the Arctic cold.

**Answer b) :** The modification on the type of lubrication has already been done. The SSVD block metering devices are being kept in order to be able to dose the lubrication by circuit.

Delete Section 14 and insert the following:

14	<p><b>AUTOMATIC GREASING SYSTEM</b></p> <p>14.1 One (1) Lincoln-type automatic greasing system or equivalent, installed and fully operational:</p> <ul style="list-style-type: none"><li>14.1.1 Series 203 pump, model 94422, including a low-level and malfunction sound or light indicator, installed within the operator's cab.</li><li>14.1.2 Tank equipped with a built-in paddle to agitate the grease, visible from the outside.</li><li>14.1.3 The tank must hold a minimum of 4 kg of lubricating grease rated for arctic conditions.</li><li>14.1.4 Each dispenser must be equipped with a fitting for manual feed.</li><li>14.1.5 The grease dispenser must be from the QUICKLUB series.</li><li>14.1.6 The pump must be equipped with a primary SSVD supply block, which will feed secondary SSVD supply blocks.</li><li>14.1.7 All greasing points must be adjustable.</li><li>14.1.8 All OEM greasers, plus those greasers added when a quick attachment is installed.</li><li>14.1.9 Indicate the greasing points that will not be greased by the system.</li><li>14.1.10 All greasing hoses must be high pressure, with a minimum pressure of 4,000 psi and an inside diameter of 1/8 inch.</li><li>14.1.11 The valves must be fully lubricated when the system powers up.</li><li>14.1.12 Stainless steel hose fittings with hose protectors.</li><li>14.1.13 All hoses must be 100% protected with a loom-type sheath, and be solidly attached to the loader.</li><li>14.1.14 All fittings must be reusable on the entire installation.</li><li>14.1.15 Greasing frequency must be adjustable by means of a timer, and equipped with an end-of-cycle switch.</li><li>14.1.16 The automatic greasing system tank must be installed on the left side of the equipment.</li><li>14.1.17 The system must provide a visual or audible alert when a duct is clogged.</li><li>14.1.18 The system must provide a visual or audible alert when the grease level in the tank is low.</li><li>14.1.19 A set of separate parts (adapters, hoses, etc.) must be furnished in a case so that minor repairs can be done.</li><li>14.1.20 System installation must not affect the structural integrity of the equipment's components.</li></ul>
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Solicitation No. - N° de l'invitation  
K2C94-200392/B  
Client Ref. No. - N° de réf. du client  
K2C94-200392

Amd. No. - N° de la modif.  
001  
File No. - N° du dossier  
MTA-9-42152

Buyer ID - Id de l'acheteur  
MAT625  
CCC No./N° CCC - FMS No./N° VME

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## **AMENDMENT #15**

### **Section 35 – Tank**

**Question:** Is a 55 L hydraulic tank accepted? An oil tank that is too large takes much longer to heat up.

Delete Section 35 and insert the following:

<b>35</b>	<b>TANK</b>
	<p>35.1 Tank capacity <math>\geq</math> 50 l.</p> <p>35.2 Oil level gauge.</p> <p>35.3 With a device for tempering the oil during storage. Connector in a NEMA 5-15P metal housing near the other connectors of the block heater (water and oil).</p>

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.**