



## REQUEST FOR QUOTATIONS

**Title:** Supply and Delivery of One (1) or More Backhoe

**Reference No.:** 1220-040-2016-012

### FOR THE SUPPLY OF GOODS

(General Services)

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## REQUEST FOR QUOTATIONS

### 1. INTRODUCTION

The City of Surrey (the "City") invites contractors to provide a quotation on the form attached as Schedule B to Attachment 1 (the "Quotation") for the supply of the goods described in Schedule A to Attachment 1 (the "Goods"). The description of the Goods sets out the minimum requirements of the City. A person that submits a Quotation (the "Contractor") should prepare a Quotation that meets the minimum requirements, and may as it may choose, in addition, also include goods, or terms that exceed the minimum requirements.

### 2. ADDRESS FOR DELIVERY

A Quotation should be labelled with the Contractor's name, RFQ title and number. A Quotation should be submitted in the form attached to this RFQ as Schedule B – Quotation.

The Contractor may submit a Quotation either by email or in a hard copy, as follows:

(a) Email

If the Contractor chooses to submit by email, the Contractor should submit the Quotation electronically in a single pdf file to the City by email at: [purchasing@surrey.ca](mailto:purchasing@surrey.ca)

PDF emailed Quotations are preferred and the City will confirm receipt of emails. Note that the maximum file size the City can receive is 10Mb. If sending large email attachments, Contractors should phone to confirm receipt. A Contractor bears all risk that the City's equipment functions properly so that the City receives the Quotation.

(b) Hard Copy

If the Contractor chooses NOT to submit by email, the Contractor should submit one original unbound Quotation and one (1) copy (two (2) in total) which should be delivered to the City at the office of:

Name: Richard D. Oppelt  
Purchasing Manager  
at the following location:

Address: Surrey City Hall  
Finance & Technology Department – Purchasing Section  
Reception Counter, 5th Floor West  
13450 – 104th Avenue, Surrey, B.C., Canada, V3T 1V8

### 3. DATE

The City would prefer to receive Quotations on or before **January 21, 2016**. The City's office hours are 8:30 a.m. to 4:00 p.m., Monday to Friday, except statutory holidays.

#### **4. INQUIRIES**

All inquiries related to this Request for Quotations ("RFQ") should be directed in writing to:

Name: Richard D. Oppelt, Purchasing Manager  
Email: purchasing@surrey.ca  
Reference: 1220-040-2016-012

#### **5. ADDENDA**

If the City determines that an amendment is required to this RFQ, the City will issue a written addendum that will form part of this RFQ. Upon submitting a Quotation, Contractors will be deemed to have received notice of all addenda.

#### **6. NO CONTRACT**

This RFQ is simply an invitation for quotations (including prices and terms) for the convenience of all parties. It is not a tender and no obligations of any kind will arise from this RFQ or the submission of Quotations. The City may negotiate changes to any terms of a Quotation, including terms in Attachment 1 and Schedules A and B and including prices, and may negotiate with one or more Contractors or may at any time invite or permit the submission of quotations (including prices and terms) from other parties who have not submitted Quotations.

#### **7. ACCEPTANCE**

A Quotation will be an offer to the City which the City may accept at any time by signing the copy of the Quotation and delivering it to the Contractor. A Quotation is not accepted by the City unless and until both the authorized signatory and the purchasing representative have signed on behalf of the City. Delivery of the signed agreement by the City may be by fax or pdf e-mail. In that event, the contract will be comprised of the documents included in the definition of Agreement in Attachment No. 1 – Quotation Agreement – Goods.

#### **8. CONTRACTOR'S EXPENSES**

Contractors are solely responsible for their own expenses in preparing and submitting Quotations, and for any meetings, negotiations or discussions with the City or its representatives and consultants, relating to or arising from the RFQ. The City will not be liable to any Contractor for any claims, whether for costs, expenses, losses or damages, or loss of anticipated profits, incurred by the Contractor in preparing and submitting a Quotation, or participating in negotiations for a contract, or other activity related to or arising out of this RFQ.

#### **9. CONTRACTOR'S QUALIFICATIONS**

By submitting a Quotation, a Contractor represents that it has the expertise, qualifications, resources, and relevant experience to supply the Goods.

**10. CONFLICT OF INTEREST**

A Contractor must disclose in its Quotation any actual or potential conflicts of interest and existing business relationships it may have with the City, its elected or appointed officials or employees. The City may rely on such disclosure.

**11. SOLICITATION OF COUNCIL MEMBERS AND CITY STAFF**

Contractors and their agents will not contact any member of the City Council and City staff with respect to this RFQ, other than the contact person named in Section 4, at any time prior to the award of a contract or the cancellation of this RFQ.

**12. CONFIDENTIALITY**

All Quotations become the property of the City and will not be returned to the Contractor. All Quotations will be held in confidence by the City unless otherwise required by law. Contractors should be aware the City is a "public body" defined by and subject to the Freedom of Information and Protection of Privacy Act of British Columbia.

**13. SIGNATURE**

The legal name of the person or firm submitting the Quotation should be inserted in the Quotation. The Quotation should be signed by a person authorized to sign on behalf of the Contractor and include the following:

- (a) If the Contractor is a corporation then the full name of the corporation should be included, together with the names of authorized signatories. The Quotation should be executed by all of the authorized signatories or by one or more of them provided that a copy of the corporate resolution authorizing those persons to execute the Quotation on behalf of the corporation is submitted;
- (b) If the Contractor is a partnership or joint venture then the name of the partnership or joint venture and the name of each partner or joint venturer should be included, and each partner or joint venturer should sign personally (or, if one or more person(s) have signing authority for the partnership or joint venture, the partnership or joint venture should provide evidence to the satisfaction of the City that the person(s) signing have signing authority for the partnership or joint venture). If a partner or joint venturer is a corporation then such corporation should sign as indicated in subsection (a) above; or
- (c) If the Contractor is an individual, including a sole proprietorship, the name of the individual should be included.

## Attachment No. 1 – QUOTATION AGREEMENT – GOODS

**Reference RFQ Title:** Supply and Delivery of One (1) or More Backhoe

RFQ No.: 1220-040-2016-012

BETWEEN:

**CITY OF SURREY**  
13450 - 104 Avenue  
Surrey BC V3T 1V8

(the "City")

AND:

(the "Contractor")

WHEREAS the City wishes to engage the Contractor to provide the Goods and the Contractor agrees to provide the Goods.

THEREFORE in consideration of the payment of one (\$1.00) dollar and other good and valuable consideration paid by each of the parties to the other (the receipt and sufficiency of which is hereby acknowledged) the City and the Contractor agree as follows:

### DEFINITIONS AND INTERPRETATION

1. In these General Terms and Conditions:
  - (a) "Agreement" means this agreement and all schedules attached hereto;
  - (b) "City" means the City of Surrey;
  - (c) "Contractor" means a contractor whose Quotation has been accepted by the City and who is supplying the Goods under this Agreement;
  - (d) "Goods" means the equipment or materials that are the subject of this Agreement;
  - (e) "Purchase Price" means the price quoted by the Contractor and accepted by the City, unless otherwise agreed by the parties in writing, and includes all taxes, duties, freight charges and other charges except GST; and
  - (f) "RFQ" means the Request for Quotations.
  
2. This Agreement may be modified only by express and specific written agreement. In the event of a conflict between the provisions of any documents listed below, then the documents shall govern and take precedence in the following order:
  - (a) this Agreement;
  - (b) the RFQ;
  - (c) the Quotation; and
  - (d) other terms, if any, that are agreed to by the parties in writing.

3. The following attached Schedules are a part of this Agreement:

Schedule A – Specifications of Goods; and

Schedule B – Quotation.

## **GOODS**

4. The Contractor will supply the Goods in accordance with this Agreement. The Goods supplied will meet the specifications set out in Schedule A of this Agreement.
5. The Contractor will deliver the Goods free and clear of all liens and encumbrances in the manner and to the destination stipulated. In the event of the Contractor's failure to meet this condition, the Contractor will, on written notice from the City, forthwith return all monies paid by the City on account of the Goods and in addition the City may by written notice terminate this Agreement without liability, and in such event, in addition to the above, the Contractor will be liable for any and all expenses or losses incurred by the City resulting from such failure.

## **PURCHASE PRICE**

6. The City will pay the Purchase Price to the Contractor in accordance with this Agreement. The Purchase Price shall also include without limitation all costs of boxing, packing, crating, and loading and unloading the Goods at the prescribed destination.
7. Time is of the essence.

## **PAYMENT**

8. Invoices must include the Contractor's name, address and telephone number, the City's purchase order number, the Contractor's invoice number, the Contractor's GST registration number or an indication that it is not applicable if the Contractor is a small trader, the quantity, tax (if any) and the complete Purchase Price calculations, including extensions and discounts.
9. The City will pay the invoice, in the amount as the City determines is correct less any deductions for setoffs or holdbacks permitted by this Agreement including, without limitation, those described in Sections 11, 12 and 13, within 30 days of the receipt of the invoice, unless the parties have agreed in writing to other payment terms. The payment by the City of any invoice will not bind the City with respect to any subsequent payment or final payment and will not mean that the City has accepted that the Goods are in accordance with the requirements of this Agreement, or that the Contractor is in any manner released from its obligation to comply with this Agreement.
10. Unless otherwise provided, all dollar amounts referred to in this Agreement are in lawful money of Canada.

## **SUBMITTING YOUR ELECTRONIC INVOICE**

Please send electronic invoices to the City of Surrey by email to [surreyinvoices@surrey.ca](mailto:surreyinvoices@surrey.ca)

In order to process your payment, the following submission guidelines **must** be met:

- Invoice(s) must be sent as attachments.
- Attachment(s) must be in PDF format.
- PDF attachment(s) must be named: <Company name>\_<Invoice Number>.
- Email(s) must not exceed 2MB.

**Please Note:** failure to meet the guidelines above may result in payment processing delays or in your payment not being processed.

## **SUBMITTING YOUR INVOICE BY HARD COPY**

Please send your hard copy invoices by mail to:

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

## **DEFICIENCIES**

11. The City shall have a reasonable time to inspect and to accept the Goods. The City may reject any Goods not in accordance with this Agreement, whether due to damage resulting from improper packing, loading, unloading or otherwise. The City shall notify the Contractor of rejection of the Goods whereupon the Goods will be held subject to the disposition by the Contractor. Any costs or expenses incurred by the City as a result of the rejection of the Goods are, immediately upon written demand by the City, payable by the Contractor, and may be set off against any payments owing by the City to the Contractor.
12. The City may hold back from payments otherwise due to the Contractor up to 150% of a reasonable estimate, as determined by the City, on account of deficient or defective materials. This holdback may be held, without interest, until replacement Goods are received or such deficiency or defect is remedied.

## **DEFAULT AND TERMINATION**

13. In the event the Contractor does not ship the Goods by the shipping date specified in this Agreement, or does not deliver the Goods by the delivery date specified in this Agreement, or otherwise fails to comply with the requirements of this Agreement, then:
  - (a) the City reserves the right to terminate this Agreement, in whole or in part, and in the event of such termination no payment will be owing by the City on account of this Agreement and the Contractor will be liable for any and all

expenses or loss resulting from such failure or delay and will return all monies paid by the City; or

- (b) if the City does not terminate this Agreement for late shipping or delivery, the City may deduct and setoff from any payments owing to the Contractor all additional costs the City reasonably incurs on account of the late shipping or delivery.
14. The City may by written notice at any time cancel this Agreement with respect to Goods which, as of the date of cancellation, have not been shipped.
15. If the Contractor becomes insolvent or makes an assignment for the benefit of creditors or a receiver or trustee is appointed for the property of the Contractor, then the City may, at its election, and without prejudice to its rights at law or in equity, terminate this Agreement.
16. The City will not accept nor be responsible for any restocking charges for any Goods shipped to the City and then, for whatever reason, returned to the Contractor pursuant to this Agreement. The Contractor is to bear all costs including shipping and handling of returned Goods.

#### **WARRANTIES AND INDEMNITIES**

17. The Contractor warrants that the Goods shall be free from defects in design, materials, workmanship and title, shall conform in all respects to the terms of this Agreement, shall be fit and suitable and perform satisfactorily for the purposes and under the conditions made known to the Contractor by the City or which were reasonably inferable. The Goods shall be at least equal to the higher of national standards or codes (such as, by way of illustration, CSA or ASTM), or standards and codes customarily applicable at the place where the City will use the Goods. The Goods shall be of the best quality, if no quality is specified. This general warranty is independent of and without prejudice to any specific warranty or service guarantee offered by the Contractor or third party manufacturer or supplier of the Goods in connection with the purpose for which the Goods were purchased. The Contractor shall assign to the City any warranty or service guarantee offered by a third party manufacturer or supplier of the Goods. Notwithstanding this assignment, if at any time up to one year from the date of delivery or installation (if applicable) the City determines the Goods or any part do not conform to these warranties, the City shall notify the Contractor within a reasonable time after such discovery, and the Contractor shall then promptly correct such nonconformity at the Contractor's expense. Goods used to correct a nonconformity shall be similarly warranted for one year from the date of installation. The Contractor's liability shall extend to all liabilities, losses, damages, claims and expenses incurred by the City caused by any breach of any of the above warranties.
18. The Contractor warrants and guarantees that Goods delivered under this Agreement do not infringe any valid patent, copyright or trademark, foreign or domestic, owned or controlled by any other corporation, firm or person, and agrees to indemnify and save

harmless the City and all of its elected and appointed officials, officers, employees, servants, representatives and agents (collectively the "Indemnitees"), from and against any and all claims, demands, causes of action, suits, losses, damages and costs, liabilities, expenses and judgments (including all actual legal costs) by reason of any claim, action or litigation arising out of any alleged or actual infringement of any patent, copyright or trademark, foreign or domestic, relating to the Goods supplied under this Agreement.

19. The Contractor represents and warrants that all Goods delivered under this Agreement shall comply with all applicable codes, statutes, by-laws, rules and regulations, or any federal, provincial, municipal or other competent authority for the time being in force, including any environmental laws and that the Goods are not dangerous to the environment or to person or health.
20. The Contractor will indemnify and save harmless the Indemnitees from and against all claims, demands, causes of action, suits, losses, damages and costs, liabilities expenses and judgments (including all actual legal costs) for damage to or destruction or loss of property, including loss of use, and injury to or death of any person or persons which any of the Indemnitees incur, suffer or are put to arising out of or in connection with any failure, breach or non-performance by the Contractor of any obligation of this Agreement, or any wrongful or negligent act or omission of the Contactor or any employee or agent of the Contractor.

## **CUSTOMS**

21. Documentation for shipments of Goods from outside Canada shall be provided by a Contractor by airmail and shall include all documents as required by law or customary practice. All packages shall be marked as follows:

“Upon arrival, please contact customs broker:  
Livingston International Inc.  
Telephone: 604-685-3555  
Fax: 604-605-8231  
Email: cst19@livingstonintl.com”

## **INSPECTIONS**

22. If this Agreement pertains to the fabrication, assembly or other processing of the Goods, representatives of the City shall be permitted free access at all reasonable times for the purpose of inspection, testing or obtaining information as to the progress of the fabrication, assembly or processing.

## **SAFETY**

23. If this Agreement includes any inspection, installation or other work on the City's premises by the Contractor, or representative or sub-contractor of the Contractor, all

such activity shall be performed and undertaken in strict compliance with all applicable health and safety laws and regulations, including, without limitation, the Workers Compensation Act, the Occupational Health & Safety Regulation and the Hazardous Products Act, and also in strict compliance with any published and issued by the City for use at the City's premises. The Contractor shall provide the City with the Contractor's Workers Compensation Board registration number and a letter from the Workers Compensation Board confirming the Contractor is registered in good standing with the Workers Compensation Board and that all assessments have been paid to the date thereof prior to the City having any obligation to pay monies under this Agreement.

#### **WHMIS/MSDS**

24. The Contractor covenants and agrees to comply with all the Workers Compensation Board Occupational Health and Safety Regulations for hazardous materials and substances, and in particular with the "Workplace Hazardous Materials Information Systems (WHMIS)" Regulations. All "Material Safety Data Sheets (MSDS)" will be shipped along with the Goods and any future MSDS updates will be forwarded.

#### **SHOP DRAWINGS**

25. The City may require that shop drawings be submitted by the Contractor for review prior to the delivery of the Goods. The City may require that a qualified registered professional engineer stamp and approve a shop drawing prior to submission. Any review of shop drawings by the City will not relieve the Contractor from its obligation to deliver Goods in full compliance with all requirements of this Agreement.

#### **WAIVER**

26. Any failure of the City at any time or from time to time to enforce or require the strict keeping or performance of any of the terms and conditions contained in this Agreement shall not constitute a waiver of the terms and conditions and shall not affect or impair the terms or conditions in any way or the City's right at any time to avail itself of any remedies as the City may have for any breach or breaches of the terms and conditions.

#### **APPLICABLE LAW**

27. This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia. The City and the Contractor accept the jurisdiction of the courts of British Columbia and agree that any action under this Agreement shall be brought in such courts.

## **NOTICES**

28. Any notice, report or other document that either party may be required or may wish to give to the other must be in writing, unless otherwise expressly provided for, and will be deemed to be validly given to and received by the addressee:
- (a) by hand, on delivery;
  - (b) by facsimile, on transmission; or
  - (c) by mail, five calendar days after posting.

The addresses for delivery will be as follows:

- (a) The City:  
Attention:
  
- (b) The Contractor:  
Attention:

## **MERGER AND SURVIVAL**

29. The representations, agreements, covenants and obligations set out in this Agreement shall survive the delivery of the Goods and payment of the Purchase Price.

## **ENTIRE AGREEMENT**

30. This Agreement, including any other documents expressly included by reference in this Agreement, contains the entire agreement of the parties regarding the provision of the Goods, and no understandings or agreements, oral or otherwise, exist between the parties except as expressly set out in this Agreement. This Agreement supersedes and cancels all previous agreements between the parties relating to the Goods.
31. In the event that the Contractor issues an invoice, packing slip, sales receipt, or any like document to the City, the City accepts the document on the express condition that any terms and conditions in it which constitute terms and conditions which are in addition to or which establish conflicting terms and conditions to those set out in this Agreement are expressly rejected by the City.

## **SIGNATURE**

32. This Agreement may be executed in one or more counterparts all of which when taken together will constitute one and the same Agreement, and one or more of the counterparts may be delivered by fax transmission or as a pdf file.

**ENUREMENT**

33. This Agreement shall enure to the benefit of and be binding upon the respective successors and permitted assigns of the City and the Contractor.

This Quotation Agreement is executed by the Contractor this \_\_\_\_\_ day of \_\_\_\_\_, 201\_.

**CONTRACTOR**

**I/We have the authority to bind the Contractor.**

\_\_\_\_\_  
(Legal Name of Contractor)

\_\_\_\_\_  
(Signature of Authorized Signatory)

\_\_\_\_\_  
(Signature of Authorized Signatory)

\_\_\_\_\_  
(Print Name and Position of Authorized Signatory)

\_\_\_\_\_  
(Print Name and Position of Authorized Signatory)

This Quotation Agreement is executed by the City of Surrey this \_\_\_\_\_ day of \_\_\_\_\_, 201\_.

**CITY OF SURREY**

by its authorized signatory:

\_\_\_\_\_  
(Signature of Authorized Signatory)

\_\_\_\_\_  
(Print Name and Position of Authorized Signatory)

## **SCHEDULE A – SPECIFICATION OF GOODS**

**PROJECT TITLE:** Supply and Delivery of One (1) or More Backhoe

**PROJECT No.:** 1220-040-2016-012

### **DESCRIPTION OF THE GOODS**

1. The purpose of these specifications is to describe a backhoe. This vehicle must comply with all D.O.T. and British Columbia Motor Vehicle Act regulations.

### **TECHNICAL SPECIFICATIONS**

2. The City is seeking to identify and select a qualified supplier that has the knowledge, technical resources, experience, reputation and capacity to supply, deliver and provide continuous support services.

For detailed specifications, refer to the attached Schedule A-1 – Technical Specifications.

3. The backhoe should be a current production model with all the latest updates including, where requested, all manuals, instructions, training and requested spare parts.

### **DELIVERY**

4. The vehicle(s) shall be delivered F.O.B. Destination, Freight Prepaid to the City of Surrey in first class operating condition. If the Contractor must store, park, or hold the vehicles until such a time that the City, at its sole discretion, requires them, the Contractor will store the vehicles at no additional cost to the City.
5. Title of goods received under a purchase order agreement shall remain with the Contractor until they are delivered to:

City of Surrey  
Engineering Operations,  
6645 148 Street,  
Surrey, BC  
V3S 3C7

Attention: Keith Sharp, Fleet and Garage Manager

6. Once delivered, inspected and accepted, the title will only then pass to the City of Surrey. The Contractor will bear all risks of loss, theft, injury, or destruction or damage of goods and materials ordered herein which occur prior to delivery and acceptance. Such loss, injury, or destruction or damage shall not release the Contractor from any obligations under.
7. Each Contractor should state in their submission the guaranteed delivery date in number of calendar days from the date after receipt of order (ARO).

8. The item(s) specified are to be delivered with packing slips/delivery slips and/or other required documents.
9. The Contractor should notify Keith Sharp, Fleet and Garage Manager, not less than three (3) working days prior to expected delivery / arrival to permit inspection scheduling. An authorized representative of the Contractor should supervise delivery to the City. The City will not assume any liability for vehicle/equipment delivered to an unauthorized location.
10. Each unit is to be delivered clean and shall be complete with all equipment operable. The unit(s) will be inspected by the City before delivery to determine compliance with the specifications and/or to test its ability to perform its intended use.
11. The Contractor will be responsible for securing any and all inspections required by law, including B.C. Provincial Inspection stickers. Any fee charged for these inspections will be the responsibility of the Contractor.

#### **UNSUITABLE EQUIPMENT**

12. Quotations will not be considered for equipment that have previously failed to perform satisfactorily or from Contractors who have a history of performance problems with the City.

#### **BRAND NAMES**

13. Wherever the specifications state a brand name, make, name of manufacturer, trade name, or vendor catalogue number, it is for the purpose of establishing a grade or standard. It is not intended to rule out competition of equal brands or makes. If a product other than that specified is offered, it is the Contractor's responsibility to provide information in its Quotation that enables the City to confirm equivalency and acceptance.

Except as stated otherwise, the specifications describe what is considered necessary to meet the performance requirements of the City and Contractors should consider this in their Quotation or, if the Contractor cannot meet specifications, the Contractor may identify and offer an alternative which it believes to be an equal or better alternative.

Contractors shall clearly indicate any variances from the City's specifications or conditions and attach descriptive literature.

The City is not obligated to accept any alternatives. The City will determine what constitutes acceptable deviations and best overall value.

#### **DEALERSHIP EMBLEMS/LOGOS**

14. The Contractor will not install on the backhoe, any logos, nameplates or stickers denoting the name of the company or equipment supplier that may be considered as advertising. Failure to comply with this requirement will result in the equipment supplier being given the option to remove same, or reimburse the City for removal and restoration, if needed.

## **ENVIRONMENTAL CONSIDERATIONS**

15. The City is committed to preserving the environment. Contractors should provide environmentally sensitive goods and services wherever possible.

Where there is a requirement within the specifications that require the Contractor to supply materials such as oils, lubricants, paints or other fluid materials and where such materials may cause adverse effects, Contractors should indicate the nature of the hazard in its Quotation.

The Contractor agrees to advise the City of any known alternative or substitute for such materials that would mitigate the effects of any adverse conditions on the environment.

## **NEW EQUIPMENT/VEHICLE**

16. Equipment/vehicles are to be new and unused and not previously titled.

## **FACTORY INSTALLATION**

17. Items that are available from the factory must be factory installed. If factory installation of an item is not available to the dealer and the dealer is making a dealer modification in order to meet the specification, it must be clearly noted in your response.

## **PRE-DELIVERY SERVICES**

18. The equipment shall be delivered clean and shall be complete with all equipment required to be operable.

## **PRE-DELIVERY INSPECTION**

19. A road performance test and general operation inspection is to be performed prior to delivery.

## **INSPECTION**

20. All materials or equipment shall be subject to inspection or test and shall meet the approval of the City and his decision shall be final and binding upon all parties. Such inspection, at the option of the City, may be carried out at the place of business of the Contractor and the Contractor shall assist the City, or his designate in the performance of his duties.
21. Should materials or equipment be defective in quality of workmanship or otherwise fail to conform to the specifications set forth, the City shall have the right to reject them or require their immediate correction.
22. Materials or equipment requiring correction shall be removed for correction or corrected in place as requested by the City at no expense to the City. Unavoidable expense encountered by the City shall be chargeable to the Contractor and deducted from any monies owing the Contractor by the City.

23. If the Contractor fails to take proper action promptly when requested by the City, the City may replace or correct materials as necessary and charge the cost of such replacement to the Contractor or the City may terminate the Agreement as provided for herein.

#### **DOCUMENTATION AT TIME OF DELIVERY**

24. The Contractor is to provide the following documentation upon delivery:
- Keys – Four (4) full sets
  - Parts and Service manuals (1 each)
  - Manufacturer's Certificate of Origin
  - Warranty documents and certification
  - One set of as-built electrical wiring schematics to cover any and all wiring not installed by chassis manufacturer. This diagram should include part numbers and brand names.
  - Complete list of all belts, hoses, filters; including part numbers, manufacturer and change frequency.
  - All fluid capacities in litres.

#### **TITLE, RISK OF LOSS**

25. Title of goods received shall remain with the Contractor until they are delivered to Engineering Operations located at 6645 148 Street, Surrey, B.C., at which time title passes to the City of Surrey.

The Contractor agrees to bear all risks of loss, theft, injury, or destruction or damage of goods and materials ordered herein which occur prior to delivery and acceptance.

#### **RECALL NOTICE**

26. In the event of any recall notices, technical bulletin, or other important notification affecting a unit purchased under this agreement, a notice shall be immediately sent to the City. It shall be the responsibility of the Contractor to ensure that all recall notices are sent directly to the City's Fleet and Garage Manager.

## SCHEDULE A-1 –TECHNICAL SPECIFICATIONS

### TECHNICAL SPECIFICATIONS

The specifications herein states the preferred requirements of the City of Surrey.

#### ONE (1) OR MORE NEW BACKHOE

<b>Preferred Specifications</b>
<b>1. Engine</b>
Four Cylinder, turbocharged, isolation mounted diesel engine
Engine shall be certified to EPA Tier 4 Final
Engine shall have a individually replaceable, wet-sleeve cylinder liner design
Engine displacement shall be no less than 4.5 liters
Engine rated net peak power (ISO9249) shall be no less than (80 kW) @ 2000 rpm
Engine shall develop at least 317 lb-ft (430 Nm) net torque at 1400 rpm
Daily check points shall be accessible from the right side of the engine and shall be done from ground level
Engine shall have a serpentine belt with automatic belt tensioner
Under-hood engine air cleaner shall be dry type, dual element with evacuator valve, restriction sensor and in-cab restriction warning light
The backhoe shall have an underhood aftertreatment device (DOC/DPF) with curved-end black (not chrome) exhaust stack
The backhoe shall have a tilt hood for easy engine access
Primary fuel filter shall have no more than 30-micron rated primary filter with water separator
Secondary fuel filter shall have no more than a 2-micron rated filter
Engine will be equipped with a water-in-fuel sensor
<b>2. Cooling</b>
Engine coolant shall be rated to -40 degrees (-40C)
The backhoe shall be equipped with an oil-to-water engine oil cooler
Unit shall have a coolant recovery tank provided
Unit shall have an electronically-controlled, variable rate suction-type fan with guard for reduced HP draw, reduced fuel consumption and quieter operation
Foldout, hinged cooling system will allow for efficient clean out
The hydraulic and transmission circuits will be water cooled
<b>3. Power Train</b>
The transmission shall be powershift with torque converter with maximum transport speed of 40km/h; clutch-free; fully synchronized five forward (automatically shifts between 4th and 5th gears), minimum of three reverse speeds
Machines with an option of having an Autoshift Transmission available from the factory will be considered
The front axle will be mechanical-front-wheel-drive (MFWD) with traction control limited-slip differential with electric on/off control
The clutch engaged MFWD can be engaged on the fly during operation.
The machine will disengage MFWD in at road speeds of approximately 20 km/h to allow for longer life of tires and drive train and reduced fuel consumption
Machine will automatically engage MFWD when brakes are applied for four wheel braking
The axle will be sealed with no breather to protect against contamination
The transmission shall be isolation mounted to the mainframe to minimize shock load stress

<b>Preferred Specifications</b>
The rear axle shall have a differential lock, electric foot-actuated as standard equipment
The operator can enable a differential lock protection in the monitor, which will not allow the differential lock to be engaged above 1000 rpm to prevent damage to components
The single electric Transmission Control Lever will have gear selection fully integrated in the lever
Transmission oil cooler shall be provided as standard equipment
The backhoe shall have hydrostatic power steering with emergency manual mode
The machine will have a dial throttle that will allow the operator to road the machine on cruise control. Upon engagement of the brake pedal, the engine RPMs return to idle
The final drives shall be heavy-duty outboard planetary distributing loads over four gears sealed in cooling oil bath
The front axle shall have remote grease bank for front axle for easy access.
The rear axle bearings shall be self-lubricating and shall not need to be greased
The service brakes shall be inboard, wet-multiple disk, self-adjusting and self equalizing and hydraulically actuated for a long and trouble-free life, sealed from water, mud and dust contamination
The parking brake shall be independent of service brakes, spring applied, hydraulically released, wet multi-disk, and sealed from water, mud and dust contamination.
Park brake will automatically apply when engine is shut off
<b>4. Hydraulic System</b>
The hydraulic fittings shall have "O"-ring face seal connectors to secure a tight, leak-free seal
Hydraulic cooler will have an independent reservoir
The hydraulic filter shall be no more than 6 micron and will be vertically mounted, spin on design for ease of installation and leak-free replacement.
Machine shall be equipped with Auto Idle to lower rpm when hydraulics are not engaged
Machine shall be equipped with Economy Mode that can be activated, to provide the maximum productivity and maximum fuel efficiency in 1st & 2nd gears
An automatic bucket return-to-dig control will be standard
Hydraulic pump shall be an axial piston pump, pressure compensating, load sensing
Machine shall be supplied with piping and hydraulic quick couplers for connecting a hoe pack – hoe back to be controlled by foot control, and hydraulic "Pin Grabber"
<b>5. Electrical</b>
The backhoe shall be 12 volts with a minimum 120 amp alternator
Single battery, 12 volt, 950 CCA, 190-min. rated reserve
The machine shall have blade type, multi-fused circuits
The starter shall have a bypass start safety cover
Cab will be pre-wired for rotating beacon and 2 way radio-ready. The beacon shall have its own power supply and be switched.
Unit shall be equipped with 10 halogen driving/working lights, (4) front driving/working; (4) rear; (2) side docking lights. The front lights shall be adjustable.
Unit shall be equipped with a Telematics systems that can provide fleet management, logistics and remote diagnostics capabilities. Provide information and ongoing cost of system
Unit shall be equipped with two front and two rear turn signal/flashing and two rear stop and tail lights and two rear reflectors
<b>6. Cab</b>
Unit shall be equipped with isolation mounted modular design ROPS/FOPS cab and molded roof
Access to the cab shall be from both sides of the machine, with wide, rigid, self-cleaning steps and handles
3" retractable seat belt shall be provided – not 2"
Coat hook, built-in beverage holder, and two 12 volt outlets shall be provided

<b>Preferred Specifications</b>
Unit shall be equipped with illuminated electronic gauges with audible warning for: engine coolant temperature, transmission oil temperature and fuel level.
The monitor system shall have audible and visual warnings: engine air restriction, low alternator voltage, engine oil pressure and temperature, hydraulic filter restriction, parking break on/off, aftertreatment temperature, transmission oil temperature, fuel, hour meter and low brake pressure. The seat belt will have a digital warning.
Machine will be equipped with a Sealed Switch Module for easy location of controls
There shall be a digital monitor for diagnostics (including diagnostic messages and fault code readings), calibrations and machine information.
Machine shall be enabled with Machine Security, enabled through the monitor.
Unit shall have digital display for: engine rpm, engine hours, system voltage.
The machine will have a cab air conditioner available from the factory.
Machine will have lockable storage inside of the cab
The seat shall be suspension vinyl swivel, with fully adjustable armrests and lumbar support. A cloth suspension seat option if available shall be offered,
The machine shall have one internal mirror and two external mounted mirrors (one either side)
<b>7. General Specifications</b>
Vandal protection shall cover the instrument panel. Engine hood, toolbox, hydraulic reservoir, and fuel filler shall be lockable.
The tilt hood shall have two service positions for easy operation
An easy to read periodic maintenance and grease chart shall be posted at eye level prominently displayed on the frame.
Fuel tank capacity shall be sufficient to meet operational requirements and shall be accessible from the ground. Please state capacity in litres
Operating weight with full fuel tank, standard equipment including ROPS cab, 4N1 bucket, extendahoe with 24" bucket, including counter weight, shall be stated in kgs. Excessive weight causes excess wear on transport and towing vehicles and can cause problems in soft ground conditions.
Fluid levels should be easily checked by sight gauges, dipsticks or overflow tank
Factory installed fluid sampling valves will be available from the factory
Auto greasing system to all grease points shall be provided – provide separate pricing
Unit shall have four built-in vehicle tiedowns, two in front and two in rear for safe transport between jobs
The side plate thickness on the loader boom, backhoe boom and mainframe shall be 4.5 mm or greater
Machine shall be equipped with an exterior mounted, ground level accessed and lockable storage compartment
Optional, replaceable, bolt-on rubber bumpers will be available to protect the grille frame for severe loading applications – please include cost
<b>8. Backhoe</b>
The backhoe with extendable dipperarm (retracted) shall have a digging depth of approximately 4.85 m
SAE digging depth with optional extendable dipperstick extended shall be no less than (6.1 m)
Optional extendible dipperstick shall extend no less than 1.22 m
Lift capacity at ground level with standard dipperstick shall be no less than 1420 kg
The lift capacity at full height with standard dipperstick shall be no less than 1560 kg
There shall be a swing lock pin
The stabilizers will be equipped with anti-drift in both directions
The stabilizer shall have reversible pads

<b>Preferred Specifications</b>
The backhoe boom design shall be a power curve for loading into the center of the truck bed.
The backhoe boom shall be an hourglass shape for maximum strength and optimized visibility to the work tool.
Digging force with standard backhoe, bucket cylinder shall be at least 14,801 lb (65.8 kN)
The backhoe shall be equipped with a rubber bumper/linkage style boom locks to keep the backhoe from vibrating on the swing frame
Unit shall be equipped with two lever mechanical (ISO) backhoe controls.
The machine will be available with factory installed pilot backhoe controls with pattern-selection feature
The swing casting shall have dual yokes: on top and on the bottom
Machine to be supplied with, 1- 42" clean up bucket, 1 – 24" digging bucket, c/w cutting edge that fits to bucket teeth
All buckets shall be hard surface welded
All buckets to have lifting hooks fitted for 3/8" chain
Buckets to come with provision for "Pin Grabber" quick coupler
The machine shall be supplied with hydraulically operated "Pin Grabber" quick coupler
<b>9. Loader</b>
Lift Capacity with 1.0 m <sup>3</sup> bucket at full height shall be at least 3200 kg
Dump Clearance with bucket at 45 deg. shall be no less than 2.6 m
Bucket breakout force shall be no less than 10,300 lb (45.8 kN)
The loader shall have hydraulic self-leveling and bucket-level indicator.
The loader shall have divergent loader arms for excellent visibility to the bucket
A single lever with integrated proportional electrohydraulic control of auxiliary loader operation shall be available from the factory when machine is equipped with auxiliary hydraulics. Lever is also equipped with clutch disconnect, momentary MFWD and MFWD on/off.
The loader shall have a non-removable, hinged loader boom service lock.
The 4N1 bucket shall have bolt on cutting edges on the three edges that engage with the ground
The 4N1 bucket shall have three grab hooks welded to the top edge of the bucket
Bucket shall be hard surface welded
<b>10. Warranty</b>
Proponent to provide details standard warranty coverage
Proponent to provide details and cost of extended machine warranty, including engine and emission systems
<b>11. Safety</b>
Machine shall be supplied with, 1- 2 lb fire extinguisher, 1 – No. 1 first aid kit, audible back up alarm 98 dbh, Orange LED strobe light wired with its own switch, Slow moving vehicle triangle
<b>12. Motor Vehicle Regulations</b>
Backhoe must comply with government regulations and requirements which allow it to operate on roads and highways.
<ul style="list-style-type: none"> <li>• Federal Government Motor Vehicle Standards</li> <li>• BC Motor Vehicle Act and Regulations</li> <li>• BC Workers' Compensation Board Regulations</li> <li>• BC Emissions Standards</li> </ul>



**QUOTATION**  
SCHEDULE B

RFQ Title: Supply and Delivery of One (1) or More Backhoe

RFQ No: 1220-040-2016-012

**CONTRACTOR**

Legal Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

**CITY OF SURREY**

TO:

City Representative: Richard D. Oppelt  
Purchasing Manager

Address: Courier/Hand Deliver:  
Surrey City Hall  
Finance & Technology Department – Purchasing Section  
Reception Counter 5<sup>th</sup> Floor West  
13450 – 104<sup>th</sup> Avenue, Surrey, BC, V3T 1V8

Telephone: 604-590-7274

Email: [purchasing@surrey.ca](mailto:purchasing@surrey.ca)

1. The Contractor offers to supply to the City of Surrey the Goods for the prices plus applicable taxes as follows:

Year, Make & Model: \_\_\_\_\_

All costs to meet the minimum specifications shall be included in the following delivered prices.

UNIT PRICE: \$ \_\_\_\_\_ X 1 \$ \_\_\_\_\_

ENVIRONMENTAL LEVIES:  
BATTERY: \$ \_\_\_\_\_ X 1 \$ \_\_\_\_\_

TIRE STEWARDSHIP B.C. (TSBC): \$ \_\_\_\_\_ X 1 \$ \_\_\_\_\_

ADVANCED DISPOSAL FEE (ADF): \$ \_\_\_\_\_ X 1 \$ \_\_\_\_\_

AIR CONDITIONING : \$ \_\_\_\_\_ X 1 \$ \_\_\_\_\_

ANY OTHER LEVIES OR FEES: \$ \_\_\_\_\_ X 1 \$ \_\_\_\_\_

SUB-TOTAL: \$ \_\_\_\_\_

GST 5% on \$ \_\_\_\_\_ :

PST 7% on \$ \_\_\_\_\_ :

**TOTAL QUOTED PRICE:** \$ \_\_\_\_\_

F.O.B. Surrey Works Yard 6645 148 Street, Surrey, BC V3S 3C7 \_\_\_\_\_

Payment Terms:

A cash discount of \_\_\_\_\_ % will be allowed if the invoices are paid within \_\_\_\_\_ days, or the \_\_\_\_ day of the month following, or net 30 days, on a best effort basis.

The lowest price of any Quotation will not necessarily be accepted but will be analyzed to determine best overall value.

**The completed unit shall be delivered within \_\_\_\_\_ days after receipt of purchase order.**

Complete Vehicle: State Warranty (no less than one (1) year) \_\_\_\_\_

Extended Warranty Options: \_\_\_\_\_

Warranty repairs shall be performed at \_\_\_\_\_

Please complete if applicable: British Columbia Certified

**Service/Parts Location**

Service Centre	Name: _____ Address: _____ _____ Telephone: _____
Parts Distribution Centre	Name: _____ Address: _____ _____ Telephone: _____

2. If this offer is accepted by the City, such offer and acceptance will create a contract as described in:
  - (a) the RFQ;
  - (b) the specifications set out above and in Schedule A of the RFQ;
  - (c) the General Terms and Conditions; and
  - (d) this Quotation; and
  - (e) other terms, if any, that are agreed to by the parties in writing.
  
3. Capitalized terms used and not defined in this Quotation will have the meanings given to them in the RFQ. Except as specifically modified by this Quotation, all terms, conditions, representations, warranties and covenants as set out in the RFQ will remain in full force and effect.

**- END OF PAGE -**

4. I/We the undersigned duly authorized representatives of the Contractor, having received and carefully reviewed the RFQ including without limitation the Specifications and the General Terms and Conditions, submit this Quotation in response to the RFQ.

This Quotation is offered by the Contractor this \_\_\_\_\_ day of \_\_\_\_\_, 201\_.

**CONTRACTOR**

**I/We have the authority to bind the Contractor**

\_\_\_\_\_  
(Legal Name of Contractor)

\_\_\_\_\_  
(Signature of Authorized Signatory)

\_\_\_\_\_  
(Signature of Authorized Signatory)

\_\_\_\_\_  
(Print Name and Position of Authorized Signatory)

\_\_\_\_\_  
(Print Name and Position of Authorized Signatory)

This Quotation is accepted by the City this \_\_\_\_\_ day of \_\_\_\_\_, 201\_.

**CITY OF SURREY**

\_\_\_\_\_  
(Signature of Authorized Signatory)

\_\_\_\_\_  
(Signature of Purchasing Representative)

\_\_\_\_\_  
(Print Name and Position of Authorized Signatory)

\_\_\_\_\_  
(Print Name of Purchasing Representative)

\_\_\_\_\_  
(Signature of Authorized Signatory)

\_\_\_\_\_  
(Print Name and Position of Authorized Signatory)

Revision January 31, 2014

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## SCHEDULE B – ATTACHMENT NO. 1 – PREFERRED SPECIFICATIONS

### PREFERRED SPECIFICATIONS FOR: ONE (1) OR MORE NEW BACKHOE

Contractor should list complete manufacturer's details in the right column opposite to the preferred listed requirement.

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers' Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers' Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
<b>1. ENGINE</b>			
1.1 Four Cylinder, turbocharged, isolation mounted diesel engine	Y	N	
1.2 Engine shall be certified to EPA Tier 4 Final emissions or better	Y	N	
1.3 Engine shall have a individually replaceable, wet-sleeve cylinder liner.	Y	N	
1.4 Engine displacement shall be no less than 4.5 liters	Y	N	
1.5 Engine rated net peak power (ISO9249) shall be no less than (80 kW) @ 2000 rpm	Y	N	
1.6 Engine shall develop at least 317 lb-ft (430 Nm) net torque at 1400 rpm	Y	N	
1.7 Daily check points shall be accessible from the right side of the engine and shall be done from ground level	Y	N	
1.8 Engine shall have a serpentine belt with automatic belt tensioner	Y	N	
1.9 Under-hood engine air cleaner shall be dry type, dual element with evacuator valve, restriction sensor and in-cab restriction warning light	Y	N	
1.10 The backhoe shall have an underhood aftertreatment device (DOC/DPF) with curved-end black (not chrome) exhaust stack	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers' Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers' Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
1.11 The backhoe shall have a tilt hood for easy engine access	Y	N	
1.12 Primary fuel filter shall have no more than 30-micron rated primary filter with water separator	Y	N	
1.13 Secondary fuel filter shall have no more than a 2-micron rated filter	Y	N	
<b>2. Cooling</b>			
2.1 Engine coolant shall be rated to -40 degrees (-40C)	Y	N	
2.2 The backhoe shall be equipped with an oil-to-water engine oil cooler	Y	N	
2.3 Unit shall have a coolant recovery tank provided	Y	N	
2.4 Unit shall have an electronically- controlled, variable rate suction- type fan with guard for reduced hp draw, reduced fuel consumption and quieter operation	Y	N	
2.5 Foldout, hinged cooling system will allow for efficient clean out.	Y	N	
2.6 The hydraulic and transmission circuits will be water cooled	Y	N	
<b>3. Power Train</b>			
3.1 The transmission shall be powershift with torque converter with road speed of 40km/h; clutch- free; fully synchronized five forward speeds (automatically shifts between 4th and 5th gears), mimimum of three reverse speeds	Y	N	
3.2 Machines with an option of having an Autoshift Transmission available from the factory will be considered	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers' Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers' Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
3.3 The front axle will be mechanical-front-wheel-drive (MFWD) with traction control limited-slip differential with electric on/off control	Y	N	
3.4 The clutch engaged MFWD can be engaged on the fly during operation.	Y	N	
3.5 The machine will disengage MFWD in at road speeds of approximately 20 km/h to allow for longer life of tires and drive train, and reduced fuel consumption	Y	N	
3.6 Machine will automatically engage MFWD when brakes are applied for four wheel braking	Y	N	
3.7 The axle will be sealed to protect against contamination			
3.8 The transmission shall be isolation mounted to the mainframe to minimize shock load stress	Y	N	
3.9 The rear axle shall have a differential lock, electric foot-actuated as standard equipment	Y	N	
3.10 The operator can enable a differential lock protection in the monitor, which will not allow the differential lock to be engaged above 1000 rpm to prevent damage to components	Y	N	
3.11 The single electric Transmission Control Lever will have gear selection fully integrated in the lever	Y	N	
3.12 Transmission oil cooler shall be provided as standard equipment	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers' Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers' Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
3.13 The backhoe shall have hydrostatic power steering with emergency manual mode	Y	N	
3.14 The machine will have a dial throttle that will allow the operator to road the machine on cruise control. Upon engagement of the brake pedal, the engine RPMs return to idle	Y	N	
3.15 The final drives shall be heavy-duty outboard planetary distributing loads over four gears sealed in cooling oil bath	Y	N	
3.16 The front axle shall have remote grease bank for front axle for easy access.	Y	N	
3.17 The rear axle bearings shall be self-lubricating and shall not need to be greased	Y	N	
3.18 The service brakes shall be inboard, wet-multiple disk, self-adjusting and self equalizing and hydraulically actuated for a long and trouble-free life, sealed from water, mud and dust contamination	Y	N	
3.19 The parking brake shall be independent of service brakes, spring applied, hydraulically released, wet multi-disk, and sealed from water, mud and dust contamination.	Y	N	
3.20 Park brake will automatically apply when engine is shut off	Y	N	
<b>4. Hydraulic System</b>			
4.1 The hydraulic fittings shall have "O"-ring face seal connectors to secure a tight, leak-free seal	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers' Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers' Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
4.2 Hydraulic cooler will have an independent reservoir	Y	N	
4.3 The hydraulic filter shall be no more than 6 micron and will be vertically mounted, spin on design for ease of installation	Y	N	
4.4 Machine shall be equipped with Auto Idle to lower rpm when hydraulics are not active	Y	N	
4.5 Machine shall be equipped with Economy Mode that can be, to provide the maximum productivity and maximum fuel efficiency in 1st & 2nd gears	Y	N	
4.6 An automatic bucket return-to-dig control will be standard	Y	N	
4.7 Hydraulic pump shall be an axial piston pump, pressure compensating, load sensing	Y	N	
4.8 Machine shall be supplied with piping and hydraulic quick couplers for connecting a hoe pack – hoe back to be controlled by foot control	Y	N	
<b>5. Electrical</b>			
5.1 The backhoe shall be 12 volts with minimum 120 amp alternator	Y	N	
5.2 Single battery, 12 volt, 950 CCA, 190-min. rated reserve	Y	N	
5.3 The machine shall have blade type, multi-fused circuits	Y	N	
5.4 The starter shall have a bypass start safety cover	Y	N	
5.5 Cab will be pre-wired for rotating beacon and 2 way radio-ready. The beacon shall have its own power supply and be switched.	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers' Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers' Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
5.6 Unit shall be equipped with 10 halogen driving/working lights, (4) front driving/working; (4) rear; (2) side docking lights. The front lights shall be adjustable.	Y	N	
5.7 Unit shall be equipped with a Telematics systems that can provide fleet management, logistics and remote diagnostics capabilities. Provide information and ongoing cost of system	Y	N	
5.8 Unit shall be equipped with two front and two rear turn signal/flashing and two rear stop and tail lights and two rear reflectors	Y	N	
<b>6. Cab</b>			
6.1 Unit shall be equipped with isolation mounted modular design ROPS/FOPS cab and molded roof	Y	N	
6.2 Access to the cab shall be from both sides of the machine, with wide, rigid, self-cleaning steps, handles	Y	N	
6.3 3" retractable seat belt shall be provided – not 2"	Y	N	
6.4 Coat hook, built-in beverage holder, and two 12 volt outlets shall be provided	Y	N	
6.5 Unit shall be equipped with illuminated electronic gauges with audible warning for: engine coolant temperature, transmission oil temperature and fuel level.	Y	N	

<b>Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers’ Compensation Board of British Columbia regulations.</b>	<b>Yes (Circle)</b>	<b>No (Circle)</b>	<b>Manufacturers’ Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.</b>
6.6 The monitor system shall have audible and visual warnings: engine air restriction, low alternator voltage, engine oil pressure and temperature, hydraulic filter restriction, parking break on/off, aftertreatment temperature, transmission oil temperature, fuel, hour meter and low brake pressure. The seat belt will have a digital warning.	Y	N	
6.7 Machine will be equipped with a Sealed Switch Module for easy location of controls on the right hand console and increased durability	Y	N	
6.8 There shall be a digital monitor for diagnostics (including diagnostic messages and fault code readings), calibrations and machine information.	Y	N	
6.9 Machine shall be enabled with Machine Security, enabled through the monitor.	Y	N	
6.10 Unit shall have digital display for: engine rpm, engine hours, system voltage.	Y	N	
6.11 The machine will have a cab air conditioner available from the factory.	Y	N	
6.12 Machine will have lockable storage inside of the cab	Y	N	
6.13 The seat shall be suspension vinyl swivel, with fully adjustable armrests and lumbar support. A cloth suspension seat option if available shall be offered	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers' Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers' Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
6.14 The machine shall one internal mirror and two external mounted mirrors (one either side)	Y	N	
<b>7. General Specifications</b>			
7.1 Vandal protection shall cover the instrument panel. Engine hood, toolbox, hydraulic reservoir, and fuel filler shall be lockable.	Y	N	
7.2 The tilt hood shall have two service positions for easy operation	Y	N	
7.3 An easy to read periodic maintenance and grease chart shall be posted at eye level prominently displayed on the frame.	Y	N	
7.4 Fuel tank capacity shall be sufficient to meet operational requirements and shall be accessible from the ground. Please state capacity in litres	Y	N	
7.5 Operating weight with full fuel tank, standard equipment including ROPS cab, 4N1 bucket, extendahoe with 24" bucket, including counter weight, shall be stated in kgs. Excessive weight causes excess wear on transport and towing vehicles and can cause problems in soft ground conditions.	Y	N	
7.6 Fluid levels should be easily checked by sight gauges, dipsticks or overflow tank	Y	N	
7.7 Factory installed fluid sampling valves will be available from the factory	Y	N	
7.8 Auto greasing system to all grease points shall be provided – provide separate pricing	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers' Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers' Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
7.9 Unit shall have four built-in vehicle tiedowns, two in front and two in rear for safe transport between jobs	Y	N	
7.10 The side plate thickness on the loader boom, backhoe boom and mainframe shall be 4.5 mm or greater	Y	N	
7.11 Machine shall be equipped with an exterior mounted, ground level accessed and lockable storage compartment	Y	N	
7.12 Optional, replaceable, bolt-on rubber bumpers will be available to protect the grille frame for severe loading applications – please include cost	Y	N	
<b>8. Backhoe</b>			
8.1 The backhoe with extendable dipperarm (retracted) shall have a digging depth of approximately 4.85 m	Y	N	
8.2 SAE digging depth with optional extendable dipperstick extended shall be no less than (6.1 m)	Y	N	
8.3 Optional extendible dipperstick shall extend no less than 1.22 m	Y	N	
8.4 Lift capacity at ground level with standard dipperstick shall be no less than 1420 kg	Y	N	
8.5 The lift capacity at full height with standard dipperstick shall be no less than 1560 kg	Y	N	
8.6 There shall be swing lock pin	Y	N	
8.7 The stabilizers will be equipped with anti-drift in both directions	Y	N	
8.8 The stabilizer shall have reversible pads	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers’ Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers’ Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
8.9 The backhoe boom design shall be a power curve for loading into the center of the truck bed.	Y	N	
8.10 The backhoe boom shall be an hourglass shape for maximum strength and optimized visibility to the work tool.	Y	N	
8.11 Digging force with standard backhoe, bucket cylinder shall be at least 14,801 lb (65.8 kN)	Y	N	
8.12 The backhoe shall be equipped with a rubber bumper/linkage style boom locks to keep the backhoe from vibrating on the swing frame	Y	N	
8.13 Unit shall be equipped with two lever mechanical (ISO) backhoe controls.	Y	N	
8.14 The machine will be available with factory installed pilot backhoe controls with pattern-selection feature	Y	N	
8.15 The swing casting shall have dual yokes: on top and on the bottom	Y	N	
8.16 Machine to be supplied with: <ul style="list-style-type: none"> <li>• 1- 42” clean up bucket,</li> <li>• 1 – 24” digging bucket, c/w cutting that fits to bucket teeth</li> </ul>	Y	N	
8.17 All buckets to be hard surface welded	Y	N	
8.18 All buckets to have lifting hooks fitted for 3/8” chain	Y	N	
8.19 Buckets to come with provision for “Pin Grabber” quick coupler	Y	N	
8.20 Machine shall be supplied with hydraulically operated “Pin Grabber” quick coupler	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers’ Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers’ Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
<b>9. Loader</b>			
9.1 Lift Capacity with 1.0 m <sup>3</sup> bucket at full height shall be at least 3200 kg	Y	N	
9.2 Dump Clearance with bucket at 45 deg. shall be no less than 2.6 m	Y	N	
9.3 Bucket breakout force shall be no less than 10,300 lb (45.8 kN)	Y	N	
9.4 The loader shall have hydraulic self-leveling and bucket-level indicator.	Y	N	
9.5 The loader shall have divergent loader arms for excellent visibility to the bucket	Y	N	
9.6 A single lever with integrated proportional electrohydraulic control of auxiliary loader operation shall be available from the factory when machine is equipped with auxiliary hydraulics. Lever is also equipped with clutch disconnect, momentary MFWD and MFWD on/off.	Y	N	
9.7 The loader shall have a non- removable, hinged loader boom service lock.	Y	N	
9.8 The 4N1 bucket shall have bolt on cutting edges on the three edges that engage with the ground	Y	N	
9.9 The 4N1 bucket shall have three grab hooks welded to the top edge of the bucket	Y	N	
9.10 Buckets to be hard surface welded	Y	N	
<b>10. Warranty</b>			
10.1 Proponent to provide details standard warranty coverage	Y	N	

Preferred Specifications Note: Vehicle is to comply with Government regulations and requirements – federal government Motor Vehicle Safety Act, B.C. Motor Vehicle Act, and Workers' Compensation Board of British Columbia regulations.	Yes (Circle)	No (Circle)	Manufacturers' Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.
10.2 Proponent to provide details and cost of extended machine warranty, including engine and emission systems	Y	N	
<b>11. Safety</b>			
11.1 Machine shall be supplied with: <ul style="list-style-type: none"> <li>• 1- 2 lb fire extinguisher,</li> <li>• 1 – No. 1 first aid kit,</li> <li>• Audible back up alarm 98 dbh,</li> <li>• Orange LED strobe light wired with its own switch and power supply</li> <li>• Slow moving vehicle triangle</li> </ul>	Y	N	
<b>12. Motor Vehicle Regulations</b>			
12.1 Backhoe must comply with government regulations and requirements which allow it to operate on roads and highways: <ul style="list-style-type: none"> <li>• Federal Government Motor Vehicle Standards</li> <li>• BC Motor Vehicle Act and Regulations</li> <li>• BC Workers' Compensation Board Regulations</li> <li>• BC Emissions Standards</li> </ul>	Y	N	