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| Logo  Description automatically generated with medium confidence | SCHEDULE B – FORM OF QUOTATION |

**RFQ Title: Supply and Delivery of One [or more] Backhoe Loaders**

**RFQ No.: 1220-040-2024-095**

**CONTRACTOR**

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

**Contact Person and Title:**

**Business Address:**

**Business Telephone:**

**Business Fax:**

**Business E-Mail Address:**

TO:

**CITY OF SURREY**

City Representative: Sunny Kaila, Manager, Procurement Services

Email: purchasing@surrey.ca

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

**A. Price:**

Contractors are encouraged to submit pricing based on the most recently available model year. The City will allow pricing adjustments based on price changes from the manufacturer. The Contractor will be expected to provide factory invoices to justify increases.

In accordance with the Contract Documents, which terms and conditions I/we have carefully examined and agree to, the undersigned hereby submits a firm Quotation for the supply and delivery of the Good(s) in accordance with the Specifications for the price(s) as listed below, delivered F.O.B. City of Surrey, Operations Works Yard, Mechanical Division, 6651 – 148th Street, Surrey, B.C. V3S 3C7.

The following price(s) include and covers all duties, taxes, handling and transportation charges and all other charges incidental to and forming a part of this Quotation. The Contractor shall be responsible for customs clearance and payment of any duties and/or taxes owing at time of importation in Canada, as applicable.

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

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| --- | --- | --- | --- |
| **Item No.** | **Particulars** | **Quantity** | **Unit Price****(CDN $)** |
| 1 | Supply and Delivery One [or more] Rubber Tired 4WD Backhoe/Loader as specified within this RFQ: | 1 | $ |
| 2 | Auto Grease Unit: | 1 | $ |
| 3 | Environmental Levy (Battery(ies): | $ |
| 4 | Province of B.C. Advance Disposal Fee (Tires): | $ |
| 5 | Air Conditioning Surcharge (if any): | $ |
| 6 | Other Fees/Levies (please state): |  |
| **CURRENCY: All Pricing in Canadian Dollars.** | Subtotal: | $ |
| GST (5%): | $ |
| PST (7%): | $ |
| **Total Quotation Price:** | **$** |
| ***Pricing is firm until (state date):*** |  |

**B. Supply and Delivery of Goods:**

The Contractor will supply and deliver the Goods that meet the Specifications set out in Schedule A – Specifications of Goods of the Agreement. The Contractor will complete and deliver to the Delivery Point each Good in accordance with the following schedule:

**Completion Date Delivery Date**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**C. Optional Work (Electric Vehicle Goods):**

Please state if there is an all-electric option is available that generally meets the City’s preferred technical and functional specifications, more particularly regarding digging depth, breakout power, dump height, etc. If yes, please provide a price and descriptive literature.

The following Unit Prices are to include all fees, levy’s, and taxes per unit: Province of B.C. ENVIRONMENTAL LEVY (Lead Acid Batteries), Province of B.C. Advance Disposal Fee (Tires), Air Conditioning Surcharge, Other Fees/Levies (please state), GST, and PST.

**D. Payment Terms:**

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

2. 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.

3. In addition to the warranties provided in the Agreement this offer includes the following warranties:

4. I/We have reviewed the RFQ Attachment 1 – Agreement – Goods. If requested by the City, I/we would be prepared to enter into that Agreement, amended by the following departures (list, if any):

**Section Requested Departure(s) / Alternative(s)**

5. The Contractor acknowledges that the departures it has requested in Section 4 of this Quotation will not form part of the Agreement unless and until the City agrees to them in writing by initialing or otherwise specifically consenting in writing to be bound by any of them.

**Technical and Functional Specifications / Requirements Response**

6. I/We have reviewed the RFQ Attachment 1 Schedule A – Specifications of Goods. The Contractor should set out in its Quotation in detail how its proposed functional and technical solution meets the technical and functional specifications/requirements of RFQ Attachment 1, Schedule A – Specifications of Goods. Any variance from those technical and functional specifications/requirements should be clearly pointed out by the Contractor in its Schedule B-1 - Preferred Technical and Functional Specifications and Requirements Response Form, including where conflicts may exist between the Contractor’s proposed solution and the technical and functional specifications/requirements as described herein.

 Contractors should complete and include with their Quotation the City’s Schedule B-1 - Technical and Functional Specifications / Requirements Response Matrix worksheets.

7. Each Quotation should be accompanied by a set of "Contractor's Specifications” consisting of a detailed description of the Good proposed and to which Good should conform. Computer run-off sheets are not acceptable as descriptive literature. The specifications should indicate size, type, model and make of all component parts and equipment.

**Experience, Reputation and Resources:**

8. Contractor's relevant experience and qualifications in delivering Goods similar to those required by the RFQ:

9. Performance History:

(a) Provide the number of Goods similar to the proposed model in British Columbia: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(b) Provide details of the number Goods as quoted in the RFQ currently operating in the lower mainland, and the number currently operated by Municipalities.

 Lower Mainland: \_\_\_\_\_\_\_\_\_\_\_\_

 Municipalities: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Key Personnel. Contractors should identify and provide the background and experience of all key personnel proposed to provide the Goods.

Preference may be given to a Contractor and proposed personnel that demonstrate knowledge and experience involving the successful design, development and manufacturing goods similar to the Goods. Each Contractor should make clear in its Quotation its relevant knowledge and experience, and that of its proposed key personnel. Without limiting the foregoing, Contractor should provide the number of qualified red seal heavy duty mechanics with the experience to repair and maintain the make and model of equipment being offered in this RFQ.

|  |  |
| --- | --- |
| Name: |  |
| Experience: |  |
| Dates: |  |
| Project Name: |  |
| Responsibility: |  |

11. Contractor should provide the following information on the background and experience of all sub‑contractors proposed to undertake a portion of the work on the Goods (use the spaces provided and/or attach additional pages, if necessary):

|  |  |  |  |
| --- | --- | --- | --- |
| **Description of Work** | **Sub-Contractors Name** | **Years of Working with Sub-Contractor** | **Telephone Number and Email** |
|  |  |  |  |
|  |  |  |  |

12. Contractors should provide references (name and telephone number) (use the spaces provided and/or attach additional pages, if necessary). The City's preference is to have a minimum of three references preferably from municipalities who are currently operating equipment quoted in this RFQ. Previous clients of the Contractor may be contacted at the City’s discretion.

**Training and Support Services, On-Call Support and On-Site Service, and Warranty:**

13. Training and Support Services. Contractor should provide a description of the general approach and methodology that the Contractor would take in the performing the training and support services that may be required.

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14. On-Call Support and On-Site Service:

(a) What technical and engineering support could the Contractor provide to the City? Please include the location where these services will be provided and how the City’s needs will be addressed in critical times. Please include the breadth and depth of this support.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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(b) What technical and engineering support could be provide by original equipment manufacturers (OEM) that support the major components in the Good (e.g., engine, transmission, chassis, wiring)? Please provide assurance from OEM’s, if possible.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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(c) What and how would technical liaison and field services will be supplied to the City by the Contractor?

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(d) How field service team member’s abilities, experience, and qualifications could meet the City’s expectation of a high level of support?

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15. Replacement Parts Support:

Contractor should:

(a) Identify their service location (Please State):

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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(b) Provide details on the size/number of repair/service bays at their facility:

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(c) Identify the location of spare parts (Warehouse) and provide details of their parts supply team member’s abilities, experience and qualifications that would meet the City’s expectation of high level of support.

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(d) Provide details of the number of spare part items (SKU’s) on hand and the estimated value of parts for the make and model of Goods quoted in this RFQ:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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(e) Provide details of the location of parts locations that they can draw from in B.C., Canada or the US, if part are not available from their local parts warehouse location:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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16. Warranty. Contractor should provide information on its ability to meet the warranty terms set forth in the Agreement. Contractor should submit with its Quotation a detailed program for in-house warranty work to be performed by the City’s Engineering Operations mechanical division staff with the Contractor reimbursing the City for all expenses and supply whatever parts, assemblies, systems, etc., that are necessary to complete the repairs. Contractor should include with its Quotation their detailed warranty coverages including any extended warranty coverages and their costs (optional):

17. I/We the undersigned duly authorized representatives of the Contractor, having received and carefully reviewed the RFQ including without limitation the draft Quotation Agreement submit this Quotation in response to the RFQ.

This Quotation is offered by the Contractor this \_\_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_\_\_\_\_\_\_\_, 2024.

**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 (Print Name and Position of Authorized Signatory)

SCHEDULE B-1 – PREFERRED TECHNICAL AND FUNCTIONAL SPECIFICATIONS AND REQUIREMENTS RESPONSE FORM

These Specifications are the preferred Specifications necessary to establish technical and functional requirements. The Goods shall meet or exceed these Specifications. The City is relying on the Contractor to verify suitability and safety of materials, components, equipment, systems and items. Compatibility is of the essence and any modification, accessory, device, material or type of construction which may be necessary shall be considered to be a part of these Specifications whether detailed by item or not.

*(Note: Set out in detail how your technical and functional solution meets the Specifications. Clearly identify any variance with the Specifications including where conflicts or deviations may exist between your proposed solution and the Specifications or substitutions are recommended. If no substitutions, deviations or conflicts are identified, the City will consider that the equipment offered is in strict compliance with these Specifications.)*

Contractors are directed to list complete manufacturers’ details of model proposed in the right-most column under Contractor’s Response Details. *Other than entering data in the spaces provided, or including attachments as necessary, making changes to this form or submitting an alternate format is discouraged.*

| **Preferred Technical and Functional Specifications and Requirements** | **Yes****(Circle)** | **No****(Circle)** | **Manufacturers’ Specifications of Equipment Offered. Contractor to indicate compliance or deviation with specifications below.** |
| --- | --- | --- | --- |
| 1. **MACHINE, MAKE AND MODEL**
 |
| 1. State make and model
 | Y | N |  |
| 1. The machine shall be the current model, and shall be or 2024 model year, or newer, older models or demonstration machines are not acceptable. State year of backhoe.
 | Y | N |  |
| 1. Operating weight with full fuel tank, standard equipment including ROPS cab, 4N1 bucket, extend hoe with 24” bucket, including additional counterweight, will be stated in lbs. The machine operating weight to be no less than 20,000 lb.
 | Y | N |  |
| 1. **ENGINE**
 |
| 1. Four cylinder, turbocharged, isolation mounted diesel engine, should be designed and built by the machine manufacturer.
 | Y | N |  |
| 1. Engine shall be certified to EPA Tier 4 final emissions or better
 | Y | N |  |
| 1. State engine displacement
 | Y | N |  |
| 1. Engine will be rated net peak power should be no less than 110 hp
 | Y | N |  |
| 1. Engine should develop at least 335 lb-ft net torque at 1400 rpm
 | Y | N |  |
| 1. Engine daily check points will be accessible from ground level and shall be grouped in one location on the machine
 | Y | N |  |
| 1. Engine will have a serpentine belt with automatic belt tensioner reducing required maintenance.
 | Y | N |  |
| 1. Under-hood engine air cleaner will be dry type, dual element with evacuator valve, restriction sensor and in-cab warning light.
 | Y | N |  |
| 1. The backhoe should have an under-hood muffler with curved end exhaust stack-end black (not chrome) exhaust stack
 | Y | N |  |
| 1. The backhoe will have a tilt hood for easy engine access
 | Y | N |  |
| 1. Primary fuel filter shall have no more than 15-micron rated primary filter with water separator
 | Y | N |  |
| 1. Secondary fuel filter shall have no more than a 4-micron rated filter
 | Y | N |  |
| 1. Engine will be equipped with a water-in-fuel sensor
 | Y | N |  |
| 1. **COOLING**
 |
| 1. Engine coolant should be rated to -40 degrees (-40C)
 | Y | N |  |
| 1. The backhoe will be equipped with an oil-to-water engine oil cooler
 | Y | N |  |
| 1. Unit will have a coolant recovery tank provided
 | Y | N |  |
| 1. Unit will have an electronically-controlled, variable rate suction-type fan with guard for reduced HP draw, reduced fuel consumption and quieter operation
 | Y | N |  |
| 1. Foldout, hinged cooling system will allow for efficient clean out
 | Y | N |  |
| 1. The AC condenser will be swing-out for faster radiator clean-out. Remote mounted transmission and hydraulic coolers offer better air exchange and fewer stacked cores.
 | Y | N |  |
| 1. The hydraulic and transmission circuits will be water cooled
 | Y | N |  |
| 1. **POWER TRAIN**
 |
| 1. The transmission shall be powershift type with torque converter; clutch free; fully synchronized with minimum four forward and four reverse speeds
 | Y | N |  |
| 1. The axle will be a powershift type mechanical, front wheel drive with traction control, limited slip differential with electric on/off control.
 | Y | N |  |
| 1. The axles will be sealed to protect against contamination.
 | Y | N |  |
| 1. 4WD can be engaged “on the go” by the way of an electric switch
 | Y | N |  |
| 1. Machine will automatically engage MFWD when brakes are applied for four-wheel braking
 | Y | N |  |
| 1. The driveshafts will have a factory installed full guards.
 | Y | N |  |
| 1. The transmission should be isolation mounted to the mainframe to minimize shock load stress
 | Y | N |  |
| 1. The rear axle will be 100% hydraulically locking.
 | Y | N |  |
| 1. The single electric Transmission Control Lever will have gear selection fully integrated in the lever
 | Y | N |  |
| 1. Transmission oil cooler will be provided as standard equipment
 | Y | N |  |
| 1. The backhoe shall have hydrostatic power steering with emergency manual mode
 | Y | N |  |
| 1. 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 |  |
| 1. The final drives will be heavy-duty outboard planetary distributing loads over four gears sealed in cooling oil bath
 | Y | N |  |
| 1. The front axle will have remote grease bank for front axle for easy access.
 | Y | N |  |
| 1. The rear axle bearings will be self-lubricating and shall not need to be greased
 | Y | N |  |
| 1. The service brakes should be in or out board, wet multiple disk, self adjusting, self equalizing and hydraulically actuated for a long and trouble-free life, sealed from water, mud and dust contamination.
 | Y | N |  |
| 1. Brakes to be serviced without removing axles
 | Y | N |  |
| 1. The parking brake will be independent of service brakes, spring applied, hydraulically released, wet multi-disk and sealed from water, mud and dust contamination.
 | Y | N |  |
| 1. **HYDRAULIC SYSTEM**
 |
| 1. Closed centre loader hydraulics
 | Y | N |  |
| 1. Hydraulic cooler will have an independent reservoir for continuous running of attachments at high ambient outside temperatures.
 | Y | N |  |
| 1. The hydraulic fittings shall have "O"-ring face seal connectors to secure a tight, leak-free seal
 | Y | N |  |
| 1. Hydraulic pump flow to be 42 gpm.
 | Y | N |  |
| 1. The hydraulic filter shall be no more than 7 micron and will be vertically mounted, spin on design for ease of installation and leak-free replacement.
 | Y | N |  |
| 1. Machine shall be equipped with auto idle to lower rpm when hydraulics are not engaged
 | Y | N |  |
| 1. Machine will be equipped with Economy Mode that can be activated, to provide the maximum productivity and maximum fuel efficiency in 1st & 2nd gears
 | Y | N |  |
| 1. An automatic bucket return-to-dig control will be standard
 | Y | N |  |
| 1. Hydraulic pump shall be an axial piston pump, pressure compensating, load sensing
 | Y | N |  |
| 1. Machine shall be supplied with piping and flat faced hydraulic quick couplers for connecting a hoe pack – hoe back to be easily controlled by the operator along with the hydraulic “Pin Grabber”
 | Y | N |  |
| 1. **ELECTRICAL**
 |
| 1. The backhoe should be 12 volts negative earth with a minimum of a 160-amp alternator
 | Y | N |  |
| 1. Two 850 CCA batteries with remote jump start terminals
 | Y | N |  |
| 1. The machine should have blade type, multi-fused circuits
 | Y | N |  |
| 1. The starter should have a bypass start safety cover
 | Y | N |  |
| 1. Cab will be pre-wired for a LED rotating beacon light and 2-way radio-ready. The beacon will have its own power supply and be switched. That exact location of the beacon will be discussed with the successful Contractor. Preferred Whelen Mini Liberty II IT9AAAAP LED beacon (roof mounted) light head.
 | Y | N |  |
| 1. Unit shall be supplied with 10 LED driving/working lights, (4) front driving/working; (4) rear; (2) side lights. The front lights shall be adjustable. Halogen lights are not acceptable.
 | Y | N |  |
| 1. Unit will be equipped with a Telematics system that can provide fleet management, logistics and remote diagnostics capabilities. Provide information and ongoing cost of system.
 | Y | N |  |
| 1. Unit will be equipped with LED lights, two front and two rear turn signal/flashing, two rear stop/tail lights and two rear reflectors.
 | Y | N |  |
| 1. **CAB**
 |
| 1. Unit shall be equipped with isolation mounted modular design ROPS/FOPS cab and molded roof
 | Y | N |  |
| 1. Access to the cab shall be from the right and left side with protected, wide, rigid, self-cleaning steps and ergonomically located hand-holds.
 | Y | N |  |
| 1. Coat hook, built in beverage holder, operator manual storage compartment, interior rearview mirror and two 12 volt outlets should be provided.
 | Y | N |  |
| 1. AM/FM/AUX player with Bluetooth
 | Y | N |  |
| 1. Unit shall be equipped with illuminated electronic gauges with audible warning for: engine coolant temperature, transmission oil temperature and fuel level.
 | Y | N |  |
| 1. The monitor system shall have audible and visual warnings: engine air restriction, low voltage, engine oil pressure and temperature, hydraulic filter restriction, parking brake on/off, after treatment temperature, transmission oil temperature, fuel, hour meter and low brake pressure. The seat belt will have a digital warning.
 | Y | N |  |
| 1. Machine will be equipped with a Sealed Switch Module for easy location of controls on the right-hand console and increased durability
 | Y | N |  |
| 1. The monitor will have an English digital monitor for diagnostics (including diagnostic messages and fault code readings), and machine information.
 | Y | N |  |
| 1. Machine will be enabled with Machine Security, enabled through the monitor and night switch
 | Y | N |  |
| 1. Unit will have digital display for: engine rpm, engine hours, system voltage and hydraulic oil temperature.
 | Y | N |  |
| 1. The machine will have a cab air conditioner available from the factory.
 | Y | N |  |
| 1. Machine will have lockable storage inside of the cab
 | Y | N |  |
| 1. The seat will be suspension vinyl swivel, with fully adjustable armrests and lumbar support. A cloth suspension seat option if available can be offered,
 | Y | N |  |
| 1. 3" retractable seat belt shall be provided – not 2”
 | Y | N |  |
| 1. **GENERAL SPECIFICATIONS**
 |
| 1. Vandal protection shall cover the instrument panel. Engine hood, toolbox, hydraulic reservoir, and fuel filler shall be lockable.
 | Y | N |  |
| 1. The hood will tilt forward for ease of service operations
 | Y | N |  |
| 1. An easy-to-read periodic maintenance and grease chart shall be posted at eye level prominently displayed on the frame.
 | Y | N |  |
| 1. Fuel tank capacity should be no less than 130 litres and shall be accessible from the ground.
 | Y | N |  |
| 1. Fluid levels should be easily checked by sight gauges, dipsticks, or overflow tank
 | Y | N |  |
| 1. The machine shall be supplied with a Groeneveld Twin EP1 auto grease unit system to all grease points – provide separate pricing
 | Y | N |  |
| 1. Unit shall have four built-in vehicle tiedowns, two in front and two in rear for safe transport between jobs
 | Y | N |  |
| 1. Machine will be equipped with an exterior mounted, ground level accessed and lockable storage compartment
 | Y | N |  |
| 1. Optional, replaceable, bolt-on rubber bumpers will be available to protect the grille frame for severe loading applications – please include cost
 | Y | N |  |
| 1. The machine shall be supplied with Nokian TRI 2 tires in all positions, The tires may have to be supplied as a replacement to the manufacture’s standard tires which the Contractor will need to include into their Quotation price. The Contractor will ensure tires meet the rolling circumference requirements and meets the machine manufactures specifications gear ratio’s.
 | Y | N |  |
| 1. **BACKHOE**
 |
| 1. The backhoe with extendable dipper arm (retracted) will have a digging depth of 16 ft
 | Y | N |  |
| 1. Digging depth with extendable dipper stick extended will be no less than 20 ft.
 | Y | N |  |
| 1. Extendible dipper stick will extend no less than 48 inches
 | Y | N |  |
| 1. The boom lift capacity at 2 feet with extendable dipper stick retracted will be no less than 3,950 lb.
 | Y | N |  |
| 1. The boom lift capacity at full height with extendable dipper stick extended will be no less than 2,700 lb.
 | Y | N |  |
| 1. There shall be a swing lock pin provided
 | Y | N |  |
| 1. The stabilizer valve will be two directional, anti-drift. 5 function flow with valve on backhoe.
 | Y | N |  |
| 1. The stabilizer should have reversible pads
 | Y | N |  |
| 1. State backhoe boom design
 | Y | N |  |
| 1. Digging force with standard backhoe, bucket cylinder will be at least 15,500 lb.
 | Y | N |  |
| 1. 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 |  |
| 1. Unit will be equipped with two lever mechanical (ISO) backhoe controls.
 | Y | N |  |
| 1. The machine will be available with factory installed pilot backhoe controls with pattern-selection feature
 | Y | N |  |
| 1. The swing casting will have dual yokes: on top and on the bottom
 | Y | N |  |
| 1. Machine to be supplied with, 1- 42” clean up bucket, 1 – 24” digging bucket, c/w bolt-on cutting edge
 | Y | N |  |
| 1. All buckets shall be hard surface welded
 | Y | N |  |
| 1. Buckets to come with provision for “Pin Grabber” quick coupler
 | Y | N |  |
| 1. The machine shall be supplied with hydraulically operated “Pin Grabber” quick coupler
 | Y | N |  |
| 1. The “Pin Grabber” shall have rated lifting hook with safety latch (G80 or similar) rated not less than the lifting capacity of the machine fixed to the pin grabber
 | Y | N |  |
| 1. **LOADER**
 |
| 1. Lift Capacity with 4N1 bucket at full height will be at least 7,800 lbs.
 | Y | N |  |
| 1. Dump Clearance with bucket at 45 deg. will be no less than 9 ft
 | Y | N |  |
| 1. Bucket breakout force with 4N1 bucket will be no less than 11,200 lbs.
 | Y | N |  |
| 1. The loader shall have hydraulic self-leveling and bucket-level indicator.
 | Y | N |  |
| 1. The loader will have divergent loader arms for excellent visibility to the bucket
 | Y | N |  |
| 1. A single lever with integrated proportional electrohydraulic control of auxiliary loader operation will 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 |  |
| 1. The loader shall have a non-removable, hinged loader boom service lock.
 | Y | N |  |
| 1. The 4N1 bucket shall have bolt on cutting edges on the three edges that engage with the ground, with struck capacity of not less than 1.0yd**3**
 | Y | N |  |
| 1. Bucket will be hard surface welded
 | Y | N |  |
| 1. The bucket shall have three - 3-ton weld on lifting hooks with safety latches (G80) evenly spread on the top edge of the bucket
 | Y | N |  |
| 1. **Warranty**
 |
| 1. Contractor to provide details on standard warranty coverage
 | Y | N |  |
| 1. Contractor to provide details and cost of extended machine warranty, including engine and emission systems
 | Y | N |  |
| 1. **Safety**
 |
| 1. Machine shall be supplied with,
	* 1- 2 lb. fire extinguisher,
	* 1 – Basic first aid kit,
	* audible back up alarm 98 dB,
	* Orange LED strobe light wired with its own switch and power supply,
	* and slow-moving vehicle triangle
 | Y | N |  |
| 1. **Motor Vehicle Regulations**
 |
| 1. Backhoe must comply with government regulations and requirements which allow it to operate on roads and highways.
* Federal Government Motor Vehicle Standards
* BC Motor Vehicle Act and Regulations
* BC Workers’ Compensation Board Regulations
* BC Emissions Standards
 | Y | N |  |
| 1. **Miscellaneous**
 |
| 1. 3 full sets of keys shall be provided
 | Y | N |  |
| 1. Manufacturer’s Certificate of Origin shall be provided
 | Y | N |  |
| 1. The Contractor shall deliver the vehicles, registered, insured, and plated as per the City’s insurance requirements through the City’s insurance broker.
 | Y | N |  |
| 1. One complete Service Manual will be provided
 | Y | N |  |
| 1. One complete Parts Manual will be provided
 | Y | N |  |
| 1. A complete parts list will be provided for, belts, filters, and hoses
 | Y | N |  |
| 1. Fluid capacities in litres, and oil types (specifications)
 | Y | N |  |

|  |
| --- |
| **Optional ALL ELECTRIC MODEL:** |
| **Make / Model** | **Details** |
| 1. Please provide details regarding “Digging Depth”, “**Breakout** Power”, “Dump Height”, etc. | Y | N |  |
|  2. Provide:* + Full machine specifications
	+ Operational runtime on a full battery charge
	+ Charge time from 10% to 100%
	+ What charging infrastructure is required to change the backhoe.
 | Y | N |  |
| 3. Demonstration Model Available | Y | N |  |