



TENDER NO. TR-2020-07

PURCHASE OF FOUR WHEEL DRIVE LOADER

Prepared by

The City of Selkirk
Operations Department
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Issue Date: September 2020

Tender Notice
Four Wheel Drive Loader
TR-2020-06

Tenders clearly marked "Purchase of Four Wheel Drive Loader" will be received up until 2:00 P.M., Local Time on Thursday, September 24, 2020 by email at dmcdermid@cityofselkirk.com

Specifications and tender documents will be available on the City's website at MySelkirk.ca/tenders or request a copy by email at operations@cityofselkirk.com.

All inquiries related to this Tender should be directed to Mr. Dan McDermid at 204-785-4932.

The lowest or any tender not necessarily accepted.

Mr. Duane Nicol
Chief Administrative Officer
City of Selkirk
200 Eaton Avenue
Selkirk, Manitoba
R1A 0W6

PURCHASE OF FOUR WHEEL DRIVE LOADER

TENDER FORM

SUBMISSION:

The following Tender is hereby submitted to:

THE CITY OF SELKIRK, MANITOBA
(Hereinafter called the "OWNER")

on behalf of:

Supplier

Address

(Hereinafter called the "TENDERER")

Units offered shall be new, standard production 2020 models of the latest design in current production.

Tenderer must submit with their bid the latest printed specifications and advertising literature on the unit they propose to furnish.

Prices quoted shall include all Provincial Sales Tax and Goods and Services Tax.

F.O.B. Selkirk

Tenderer must make available for demonstration purposes, an identical unit as that being tendered with/without same options at no cost to the City of Selkirk upon request.

1.0 OPENING:

Tenders, clearly marked as "Tender for the Purchase of One Four Wheel Drive Loader" will be received by email only and addressed to:

Dan McDermid, Director of Operations dmcdermid@cityofselkirk.com

On the same day, commencing at 2:00 p.m., local time, the Tenders will be opened by a representative of the City. The Tenders will then be analyzed, after which a contract may or may not be let, subject to the discretion of the Owner.

The Tenderer shall indicate here any conditions which may affect the quoted price(s):

Tenderer shall clearly detail any exclusion in warranty:

2.0 VALIDITY OF TENDER:

The Tenderer agrees that this Tender and the prices quoted are valid and open for acceptance by the Owner for a period of sixty (60) calendar days from the date of opening of tenders.

3.0 DELIVERY DATE:

Within sixty (60) days of receiving order.

4.0 OWNER'S RIGHTS:

The Tenderer understands that the City reserves the right to reject any or all tenders, and not necessarily accept the lowest tender, if it does not meet all specifications.

5.0 SUMMARY OF ITEMS AND PRICES:

We, _____, the Tenderer, being fully acquainted with the requirements and intent of the specifications do hereby quote the following sum for the PURCHASE OF ONE FOUR WHEEL DRIVE LOADER.

Brand Name and Model Number:

PRICE F.O.B. SELKIRK	\$ _____
P.S.T.	\$ _____
G.S.T.	\$ _____
TOTAL PRICE	\$ _____
TRADE IN PRICE FOR 2008 CASE 621E Loader	\$ _____
P.S.T.	\$ _____
G.S.T.	\$ _____
TOTAL TRADE IN PRICE	\$ _____
TOTAL TENDERED PRICE	\$ _____

6.0 TRADE IN:

The following will be traded in as part of the Tender:

2008 Case 621E Loader with 11,871 hours (as of August 11, 2020)

This unit can be viewed at City of Selkirk, Department of Operations, 739 Sophia Street, Selkirk, Manitoba, during normal business hours. Please call ahead to arrange viewing.

7.0 FIVE YEAR LIFE CYCLE COSTS:

All anticipated maintenance over a 5 year period with an average of 500 hours for servicing.

Items to be including but not limited to:

Item	Quantity over 5 yrs	Dollar amount Each	Subtotal
Oil Changes		\$	\$
Air Filters		\$	\$
Fuel Filters		\$	\$
Belts		\$	\$
Transmission Oil		\$	\$
Hydraulic Oil		\$	\$
Batteries		\$	\$
Other Describe		\$	\$
		\$	\$

Total Life Cycle Costs \$ _____

Expected Average Fuel Consumption _____ L/ per hour

8.0 WARRANTY:

Warranty shall be a minimum of 12 months complete with parts and labour with unlimited hours.

Dated the ____ day of _____, 2020.

Signature of Tenderer

Signature of Witness

Print

Print

Email Address

Phone No.

9.0 SPECIFICATIONS:

**CITY OF SELKIRK
FOUR WHEEL DRIVE LOADER
SPECIFICATIONS**

Operational Requirements	Yes	No	Comment
Four Wheel Drive Loader shall be equipped with a minimum 160 HP @ 1,800 RPM diesel engine. Comes with Craig Quik Key Coupler and Craig 2.5 yard (4 in 1 Clam) Multipurpose Bucket			
Minimum of 19,700 pound tipping load at full turn			
Dump clearance at full height will be a minimum of 9'6"			
Minimum hinge pin height at full lift will be 12'5"			
Minimum operating weight 26,000 lbs			
Fuel consumption rating - Specify			
Engine	Yes	No	Comment
The wheel loader shall have a 6-cylinder, turbocharged diesel engine with a minimum 160 net horsepower at 1,800 RPM			
The engine shall provide a minimum SAE net torque rating of 500 ft-lbs at 1,000 RPM			
Engine must meet latest minimum Tier 4 Final certified Federal Emissions Standards			
Engine not to be equipped for biodiesel fuel			
Engine can be set to operate at 3 different selectable power curves			
High Pressure Common Rail (HPCR) fuel injection			
Integral water pump			
Dual stage air cleaner with restriction indicator			
Hydraulic driven fan that can be reversed for cleaning			
Shall be equipped with engine block heater			
Transmission/Powertrain	Yes	No	Comment
Electronic controlled transmission that can be calibrated through the machine console			
Minimum four forward speeds			
Minimum three reverse speeds			
Maximum forward travel speed of 45 KPH			
Electronic forward/reverse shuttle shift			
Single lever for directional and gear changes			
Transmission clutch disconnect			
Transmission oil cooler			
Auto shift transmission			
Steering	Yes	No	Comment
Full hydraulic articulated frame steering with frame lock			
Steer cylinders chrome-plated double acting and capable of 40 degrees articulation right or left			
Loader clearance turning circle shall not exceed 20 feet			
Shall be equipped with adjustable tilt steering wheel			

Axles	Yes	No	Comment
Outboard planetary gear drive to each wheel			
Limited slip differentials (front and rear)			
Total rear axle oscillation of 13 degrees minimum			
Hydraulic System	Yes	No	Comment
Shall be equipped with a third spool valve for Craig Quik Key Coupler c/w hydraulic valves and fittings and boom arm piping for operation of Craig Multipurpose 4 in 1 clam bucket			
The wheel loader shall have a hydraulic system with a variable displacement pump that provides a minimum flow of 45.0 gallons per minute			
Hydraulic system filtered by a minimum 10 micron full flow cartridge filter			
Pilot-operated controls for the lift, tilt and auxiliary hydraulics with electromagnetic detents			
Loader shall feature hydraulic lift, lower, dump, roll-back and float			
Joystick control for hydraulic functions			
Brakes	Yes	No	Comment
The wheel loader outboard wet disc service brakes shall be fully hydraulic			
Independent brake lines for front and rear service brakes			
Brakes must be sealed and fully enclosed to allow operation in water, mud, snow and other adverse conditions without encountering brake fade			
Service brakes can be operated by one or two brake pedals			
Caliper disk parking brake located on the transmission output shaft			
Parking/secondary brake shall be spring applied independent of service brakes and shall be equipped with a warning light or buzzer and be of sufficient design to hold weight of empty machine on 25% slope, hydraulically released (SAHR)			
Parking brake that is switch operated			
Parking brake to apply when engine power is lost			
Loader and Linkage Features	Yes	No	Comment
Single bucket cylinder – standard Z-bar or equivalent			
Dual bucket cylinder – parallel lift configuration or equivalent			
Flame-cut design for loader arms			
Factory installed Ride Control with adjustable speed setting			
Loader to be equipped with return-to-dig, return-to-travel, automatic height control as standard equipment			
Ability to mount to Craig Quik Key Coupler System			
Tires	Yes	No	Comment
All tires shall be Michelin, or equivalent tubeless radial steel cord - 20.5 R 25L2 Radial with one piece rim			
Matching spare tire and one piece rim to be included			
Cooling System	Yes	No	Comment
Pressurized liquid cooling system with thermostat. Radiator shall be fitted with manufacturer's approved anti-freeze solution that provides protection to at least -40 degrees C.			

	Yes	No	Comment
Loader			
Minimum operating weight 26,000 lbs			
Shall be equipped with OEM (Original Equipment Manufacturer) ride control system			
Minimum ISO (International Organization for Standardization) breakout force of 25,000 pounds force (2.5 yd ³ bucket)			
Minimum ISO (International Organization for Standardization) straight tipping load of 22,000 pounds (2.5 yd ³ bucket)			
Minimum ISO (International Organization for Standardization) full turn 40 degree tipping load of 19,000 pounds(2.5 yd ³ bucket)			
Minimum dump clearance at full height and 45 degree dump angle of 112 inches (2.5 yd ³ bucket)			
Minimum hinge pin height of 150 inches (2.5 yd ³ bucket)			
Minimum dig depth below ground of 2.9 inches (2.5 yd ³ bucket)			
Maximum bucket lowering time of 4.7 seconds			
Maximum bucket raise time of 6.3 seconds			
Maximum bucket dumping time with rated bucket load of 1.3 seconds			
Tractor Dimension (Standard Z-Bar)	Yes	No	Comment
Minimum wheel base of 114 inches			
Maximum overall transport length of 285 inches			
Maximum height to top of cab of 134 inches			
Minimum 40 degree articulation			
Electrical	Yes	No	Comment
24 volt electrical system with master disconnect outside of the operator station			
Heavy duty alternator for air conditioning min. 65 amp			
Dual 12 volt 700 CCA batteries			
24 to 12 volt converter accessories package outlet wirin			
Neutral start feature			
Equipped with back up alarm			
Lighting	Yes	No	Comment
Two (2) front led driving lights with high and low beams			
Parking lights			
Two (2) rear LED combination stop and tail lights			
Turn signals with hazard warning flashers			
Two (2) front and two (2) rear led work lights on separate switches			
Low profile LED strobe light installed on top of cab c/w blue spare lens, high intensity with separate switch			
Operator Station	Yes	No	Comment
Unit shall have a fully enclosed steel sound-suppressed cab meeting the latest ROPS (Rollover Protective Standards) and FOPS (Falling Object Protective Structure)			
Heater/defroster/pressurizer with minimum 3-speed fan and minimum 37,500 BTU (British Therma Unit) output, c/w air conditioning			

Interior sound level at governed engine speed per SAE J919 will not exceed 73 decibels			
Rear Back-up camera			
Tinted safety glass, intermittent front and rear windshield washer/wipers			
Sun visor and floor mats			
Floor-mounted accelerator			
Transmission shift lever within easy reach of the operator			
Side windows that fully open 180° and secure to the rear of the cab			
Side windows that can be secured when partially opened			
Door that opens to the rear of the cab			
Operator's seat shall be fabric deluxe air suspension type that is adjustable for operator height, weight, leg reach and back angle preference with a retractable seat belt and adjustable arm rests			
Emergency exit, access steps and handrails			
Interior dome light			
AM/FM radio			
One interior rear view mirror			
Two exterior rear view mirrors			
Audible operator warning system that sounds when the transmission is engaged and the parking brake is applied			
Instrumentation located in front of the operator			
On/off device to control activation of return-to-dig			
On/off device to control activation of height control			
On/off device to control activation of float control			
On/off device to control activation of return-to-travel			
On/off device to control activation of de-clutch			
On/off device to control activation of ride control			
Ride control that de-activates when travelling below 3.2 MPH (2.0 KPH) and re-activates when travelling above 3.2 MPH (2.0 KPH) or can be operated with ride control on all the time			
Cab Instrumentation	Yes	No	Comment
Shall include dash-mounted gauges			
Transmission oil temperature			
Transmission oil pressure			
Fuel			
Engine coolant temperature			
Engine oil pressure			
Electric hour meter			
Electric voltage			
Engine RPM			
Miscellaneous	Yes	No	Comment
Front and rear fenders			
Winter cover package			
Rear mounted drawbar or pull hook			
Counterweights for multi-purpose bucket			
Tie-down and lift hooks			
Skid plates to protect underside of loader			
Fire extinguisher that mounted outside cab			

Serviceability	Yes	No	Comment
One parts book – paper and electronic copy			
One operating manual – paper and electronic copy			
One service manual – paper and electronic copy			
All vertically-mounted filters			
Ground level ganged lube points on grease fittings not easily accessible			
Grouped remote drain points for engine oil, engine coolant and hydraulic oil			
Sight gauge for hydraulic oil level			
Sight gauge for transmission oil level			
Hydraulic filter with a minimum 10 micron rating			
Minimum 65 gallon fuel tank			
On board diagnostics that require no special tools for engine, transmission and other critical machine functions. Comes with necessary software			

