



THE CORPORATION OF THE TOWNSHIP OF FARADAY

REQUEST FOR PROPOSAL

One 2017/2018 Model Wheel Loader

REQUEST FOR PROPOSAL #R07-2017

Sealed Proposals plainly marked as to the contents, will be received at the Township of Faraday Municipal Office, 29860A Hwy 28 S., P.O. Box 929 Bancroft, Ontario, K0L 1C0 until:

Wednesday November 29, 2017 at 2:00 p.m.

All items must be submitted on Proposal Forms that have been supplied. Faxed submissions or any other electronic submission are not acceptable.

**For Further Information Please Contact:
Mr. Scott Laundry, Road Supt. (613) 332-1935
Township of Faraday
29860B Hwy 28 S
Bancroft, Ontario K0L 1C0**

WHEEL LOADER

Make _____ **Model:** _____

CATERPILLAR	930 K
JOHN DEERE	544 K
VOLVO	L70

Price for Loader Only \$ _____

Less Trade (if any) \$ _____

Sub Total \$ _____

Plus 8% Provincial Sales Tax \$ _____

Plus 7% G. S. T. \$ _____

TOTAL Proposal price F.O. B. Bancroft \$ _____
For Loader and all Equipment

Indicate Lead Time for Delivery _____

It is the responsibility of the bidding company to inspect the Township's existing loader for pricing purposes on an as is where is basis.

TRADE IN: **Komatsu WA 200 L-5**
 Serial Number 68085
 Hours 5860

DATED AT _____ **THIS** _____ **DAY OF** _____ **2017**

Witness

Signature of Authorized Person

Name of Firm

Position in Firm

SCHEDULE “A” - (PAGE 1 OF 9) - DETAILS AND SPECIFICATIONS

2017/2018 MODEL WHEEL LOADER

These are the known makes and models, which, with the proper equipment, will comply with the following specification.

<u>MAKE:</u>	<u>MODEL:</u>
CATERPILLAR	930K
JOHN DEERE	544K
VOLVO	L70

**Check below all specs included in your Total Price (Provide additional information or additional features at the end of or attached to Schedule “A”)
*If quoting “equivalent” of specification, shall provide details/description of each proposed “equivalent” specification at the end of or attached to Schedule “A”***

<u>SPECIFICATION SUMMARY</u>	<u>CONFIRMATION</u>	
- S.A.E. Heaped Bucket capacity 3.0 cu. yd. (2.3 cu.m)	Yes:	No:
- Operating weight 29,000 lbs. (13,181 kg.) minimum	Yes:	No:
- S.A.E. Operating Load 8,820 Lb (4,000 kg) minimum	Yes:	No:
- Engine, diesel turbocharged 163 Net Peak Power	Yes:	No:
- Transmission – 5F, 3R - torque converter powershift or Hydrostatic transmission.	Yes:	No:
- Front and Rear axles equipped with Automatic Hydraulic Differential Lock	Yes:	No:
- Dump Clearance 45 Deg. Full Height min. 105” (2.66 m) with quick coupler	Yes:	No:

GENERAL SPECIFICATION

This unit shall be supplied with all standard equipment, plus all other equipment required by this specification	Yes:	No:
This loader is to be supplied without wheel weights, hydro-inflation or non-standard counterweights	Yes:	No:
Specification definitions shall be to S.A.E. and ISO standards unless otherwise stated.	Yes:	No:

SCHEDULE “A” - (PAGE 2 OF 9) - DETAILS AND SPECIFICATIONS

DETAILED SPECIFICATION

1. Make and Model

Specify: _____

Make: _____

Model: _____

Year: _____

2. TYPE:

The Loader shall be a manufacturer's standard model (specification sheet to be submitted with bid documents)

Yes: No:

3. ENGINE:

Diesel powered, 167 Net Peak H.P.

Specify: _____

minimum, within governed R.P.M. range

Make: _____

Model: _____

H.P.: _____

Net torque rise shall be 38% minimum

Specify: _____

Displacement – 6.8 litre minimum,

Specify: _____

Minimum Tier 3 Emission Certified engine minimum

Yes: No:

Specify: _____

4 stroke wet sleeve engine

Yes: No:

Cylinder sleeves shall be removable

Yes: No:

Turbocharged and charge air cooled

Yes: No:

4. ENGINE EQUIPMENT:

Two stage dry air filter with a dirt ejector and restriction indicator visible from the cab shall be supplied.

Yes: No:

Minimum engine oil drain interval of 500 hours

Specify: _____

SCHEDULE “A” - (PAGE 3 OF 9) - DETAILS AND SPECIFICATIONS

Battery - two 12 volt batteries with minimum reserve capacity of 200 minutes, and 950 CCA each. Rating: _____

Alternator 100 amp. minimum. Yes: No:
Specify: _____
Amp: _____

Fuel Filter and water separator - shall be supplied. Yes: No:

Engine coolant temperature gauge. Yes: No:

Transmission oil temperature gauge. Yes: No:

Hydraulic Oil temperature gauge. Yes: No:

Engine Oil pressure gauge. Yes: No:

Speedometer. Yes: No:

Tachometer. Yes: No:

Odometer. Yes: No:

Hour meter. Yes: No:

Monitor system with audible and visual warnings for all other functions. Yes: No:

Heavy-duty trash resistant radiator and high ambient Cooling package. Yes: No:

Fan Drive to de Hydraulically driven with Automatic Reversing Fan. Yes: No:

Proportionally controlled, hydraulically driven swing out fan with safety guard. Yes: No:

Engine compartment shall be completely separated from the cooling compartment. Yes: No:

Unit will have 2-sided access to all coolers. Yes: No:

Ether cold weather starting aid. Yes: No:

SCHEDULE “A” – (PAGE 4 OF 9) - DETAILS AND SPECIFICATIONS

Pressurized liquid cooling system with thermostat and coolant recovery bottle. Anti-freeze -35 degrees F shall be supplied. Yes: No:

Engine Coolant heater to be supplied. Yes: No:

5. WEIGHT:

SAE Operating weight – 29,000 lbs. (13,181 kg.) minimum with ROPS cab and equipment specified. (with standard counterweight and without ballast in tires or loader bucket). Specify: _____

6. TRANSMISSION:

The transmission shall have five speeds forward and three reverse speeds minimum. Yes: No:
Specify: _____

Transmission shall be a power shift unit and shall incorporate a torque converter. Specify: _____

Transmission oil cooler as standard equipment. Yes: No:

Machine shall have a forward/neutral/reverse switch standard on the loader control joystick. Yes: No:

Transmission shall have an autoshift mode. Yes: No:

Quick shift button on loader joystick with two selectable modes. Yes: No:

Transmission Clutch Disconnect feature with three selectable modes. Yes: No:

7. AXLES:

Front and Rear shall have a hydraulically actuated locking differentials. Specify: _____

Axle lock actuation shall be manual and automatic selectable from the cab. Yes: No:

Final Drives shall be heavy-duty inboard planetary Yes: No:
Specify: _____

Rear axle shall not have less than 24 degrees of total oscillation, stop to stop when equipped with 20.5-25 tires. Yes: No:
Specify: _____

SCHEDULE “A” – (PAGE 5 OF 9) - DETAILS AND SPECIFICATIONS

Front and Rear Axle cooling to be supplied. Yes: No:

8. HYDRAULIC SYSTEM

Shall be a Pressure Compensating Load Sensing hydraulic system. Yes: No:

Shall have adjustable automatic boom height kickout, return to carry and return to dig. Yes: No:

Machine shall have an electronic pilot shut off that disables implement functions. Yes: No:

Hydraulic fittings shall be O-ring face seal type. Yes: No:

Machine shall be equipped with a heavy-duty hydraulic oil cooler. Yes: No:

Hydraulic pump or pumps shall have a combined rating of not less than 50GPM (189 L/m) for continuous operation. Yes: No:

Auxiliary hydraulic functions shall be provided. A separate lever for the 3rd function to be located next to and to the right of the joystick loader control lever. Yes: No:

9. STEERING:

Full shock resistant power steering. Yes: No:

Bucket clearance circle of 40' (12.2 m) maximum. Yes: No:

Specify: _____

Steering articulation angle shall be no less than 40 degrees in each direction. Yes: No:

Specify: _____

Tilt steering wheel shall be provided. Yes: No:

10. BRAKES:

All hydraulic inboard wet multi-disc service brakes, self adjusting and self equalizing shall be supplied. Yes: No:

Parking brake supplied, shall be independent of service brakes, engage automatically when engine shuts down and neutralize the transmission. Yes: No:

SCHEDULE “A” - (PAGE 6 OF 9) - DETAILS AND SPECIFICATIONS

	Parking brake shall be multi-wet disc.	Yes:	No:
	Parking/secondary brake shall be of sufficient design to hold the weight of the machine on a slope.	Yes:	No:
	Parking brake shall have indicator light and audible warning when engaged.	Yes:	No:
	All brakes must conform to ISO 3450 specification.	Yes:	No:
11.	<u>TIRES:</u>		
	Unit shall be equipped with 20.5 R 25 Michelene L3 radial tires with multi-piece rims.	Yes:	No
	Full coverage Front and Rear Fenders to be provided.	Yes:	No:
12.	<u>FRAME:</u>		
	Loader frame shall be of a 4-vertical plate design with plates extending from boom pivot pins reaching to the front axle to distribute boom loads on the axle.	Yes:	No:
	Machine shall be equipped with an exterior mounted ground level storage compartment.	Yes:	No:
13.	<u>CAB:</u>		
	An enclosed weather-proof deluxe steel cab with side openings for easy access to the driver’s seat shall be provided.	Yes:	No:
	All windows shall be tinted safety glass.	Yes:	No:
	Sound suppression with maximum rating of 71 dBa.	Yes:	No:
		Specify:	_____
	Fire Extinguisher.	Yes:	No:
	A certified roll over protective structure shall be incorporated into the cab.	Yes:	No:
	Seat shall be a deluxe cloth, fully adjustable, air suspension type with lumbar support and adjustable arm rests, and heated.	Yes:	No:
	3” retractable seat belt shall be supplied.	Yes:	No:

SCHEDULE “A”- (PAGE 7 OF 9) - DETAILS AND SPECIFICATIONS

Horn with push button in centre of steering wheel.	Yes:	No:
Heater - a cab heater, pressurizer.	Yes:	No:
24 Volt to 12 Volt – 10 AMP Converter to be supplied	Yes:	No:
Factory installed Air Conditioning.	Yes:	No:
Cab intake air shall be filtered.	Yes:	No:
Cab interior re-circulation air shall be filtered.	Yes:	No:
Front and rear intermittent wipers + washers shall be supplied.	Yes:	No:
AM/FM radio.	Yes:	No:
Large rear-view mirror mounted internally.	Yes:	No:
Large R.H + L.H. Heated Mirrors shall be supplied.	Yes:	No:
Grab bars – unit shall have 3-point contact at all times at the front and rear of the loader and around the roof line.	Yes:	No:
The cab shall have continuous and unobstructed glass from roof line to floor for forward visibility in tight quarters.	Yes:	No:
Cab shall have cup holder, personal cooler holder, storage, compartment for operator's manual, and rubber floor mat.	Yes:	No:
Cab shall incorporate solid state electronic power distribution system	Yes:	No:
14. <u>LOADER BUCKET:</u>		
3.0 cubic yard quick coupler general purpose bucket with a bolt on replaceable edge.	Yes:	No:
Attachment coupler, hydraulic (quick attach) designed and built by the loader manufacturer.	Specify: _____	
Bucket shall have built in replaceable heel wear plates for extended bucket life.	Yes:	No:
Bucket width shall be adequate to clear the front tires for stock piling.	Yes:	No:

SCHEDULE “A” – (PAGE 8 OF 9) - DETAILS AND SPECIFICATIONS

15. LOADER OPERATING CAPACITY:

The SAE 40 degree full turn tipping load shall be a minimum of 18,500 lbs. (8,391 kg) with the equipment specified. Yes: No: Specify: _____ lbs.

SAE J732C breakout force shall be 19,500 lbs. (8,845 kg) minimum with specified coupler and bucket. Yes: No: Specify: _____ lbs.

Dump clearance, 45 Deg. Full Height min. 105” (2.66m). Yes: No: Specify: _____

Height to Hinge Pin, Fully Raised, min. 12’.6” (3.81m). Yes: No: Specify: _____

Dump reach at Full Height shall be min. 3’-1” (0.93m). Yes: No: Specify: _____

Machine shall be equipped with automatic ride control including monitor adjustable speed settings. Yes: No:

16. LOADER CONTROLS:

Machine shall be equipped with one lever / Joystick for the Loader controls plus one separate lever for the 3rd function auxiliary control. Including plumbing, electrical and mounting of broom. Yes: No:

Detent for the 3rd function is to be provided. Yes: No:

An automatic bucket leveler, return to dig and float position shall be supplied. Yes: No:

Unit shall be equipped with selectable ‘return to carry’ and boom height kickout modes. Yes: No:

18. BACK UP ALARM:

To operate automatically when machine is operated in reverse. Yes: No:

SCHEDULE “A” - (PAGE 9 OF 9) - DETAILS AND SPECIFICATIONS**19. OPERATING INSTRUCTION:**

An operator’s manual shall be supplied with each unit. Yes: No:

Provision for storage of operator's manual inside the cab. Yes: No:

20. LIGHTS:

Two LED driving lights with guards. Yes: No:

Six LED work lights, four front and two rear. Yes: No:

Two rear stop and tail lights. Yes: No:

Two front and two rear turn signal LED lights, two rear Reflectors. Yes: No:

Star A200 amber strobe to be mounted on a fold down bracket. Highest possible mounting to ensure visibility from front and rear while loading. Yes: No:

21. ATTACHMENTS:

Groenvelde Automatic Greasing System or approved equal. Yes: No:
Specify: _____

Adjustable Pallet Forks with 54” tines on a 60” Rack to be provided, compatible quick attach to loader attachment bracket. Yes: No:

Dealer to convert townships existing sweepster broom to mount on new loader, quick coupler Yes: No:

Stucchi hydraulic quick coupler fittings to be supplied Township will transport loader, including bucket, broom forks to supplier dealership for conversion of broom mounting prior to delivery. Yes: No:

22. PRODUCT SUPPORT:

Parts list and operators manual shall be supplied. Yes: No:

Dealer must have service location within 200 kilometres of the Town of Bancroft. Yes: No:

The Machine shall arrive with a full tank of Fuel, PDI completed, fully functional and ready for work. Yes: No:

Dealer to provide operator familiarization on delivery for a minimum of four operators. Yes: No:

SCHEDULE “B”

ARTICULATED FOUR WHEEL DRIVE FRONT END LOADER 2017/18 MODEL YEAR

1. WARRANTY

The equipment shall include the standard manufacturer’s warranty, a signed copy of which shall be included

Yes: _____ No:
TERMS:_____

The option for additional Full Machine Warranty for 60 month/5000 Hour coverage are to be provided.

Yes: _____ No:
TERMS: To Be Attached

2. EQUIPMENT FOR TRADE-IN

It is the responsibility of the bidding company to inspect the Township’s existing loader for pricing purposes on an as is where is bases.

Price:_____

2006 Komatsu WA 200 L-5
Serial #68085
Hours 5860