



**Tender # LDH-O3**

**FOR THE SUPPLY OF ONE (1) 2003 FOUR-WHEEL  
DRIVE BACKHOE LOADER, EXTENDAHOE**

- The undersigned hereby propose(s) to supply to the Corporation of the Township of Whitewater Region one Backhoe Loader in conformance with the Form of Tender and Specifications, confirmations and descriptive literature attached hereto for the Net Total Price appearing herein.
- The undersigned ensure(s) the tender price to be firm for 90 days from the date of opening of tenders.
- The undersigned further undertake(s) to make delivery of the equipment F.O.B. to the Township of Whitewater Region 's Mineview Patrol Yard ,

2271 Mineview Rd. RR#1 Cobden Ontario K0J-1K0

- The undersigned further undertake(s) to properly and completely service the equipment prior to delivery and to supply a written warranty for the equipment.

-To supply (1) 2003 Four-Wheel Drive Backhoe Loader, Extendahoe  
(NEW OR USED WITH UP TO 500 HOURS ,With warranty)

**MAKE: ----- MODEL: ----- YEAR:-----HOURS:-----**

**TENDER PRICE OF THE UNIT INCLUDING OPTIONS: \$ .....**

**Provincial Sales Tax: \$.....**

**Goods & Service Tax: \$.....**

**TOTAL: \$.....**

**OPTION #1:**

**1 – 48” Heavy duty Ditching Bucket  
To Fit New Backhoe Loader**

**Cost: \$.....**

**Provincial Sales Tax:\$.....**

**Goods & Service Tax:\$.....**

**TOTAL: \$.....**

**OPTION #2:**

**-Quick Attach Tool Carrier (Forks)  
To Fit New Backhoe Loader**

**Cost: \$.....**

**Provincial Sales Tax: \$ .....**

**Goods & Service Tax: \$.....**

**TOTAL:** \$.....

**IMPORTANT:**

Tenders must be received no later than **1:00 p.m.** local time, **Wednesday, October 1<sup>st</sup>, 2003.**

**FIRM NAME:** .....

**ADDRESS:** .....

**AUTHORIZED SIGNATURE:** .....

**PRINT OR TYPE NAME:** .....

**DATE:** .....

**TELEPHONE:** .....

The Township of WhitewaterRegion reserves the right to accept or reject any or all tenders. Besides signing the tender, bidders are asked to **initial each page**, of the document and to **return all such pages intact**.

**\*\* Demonstration of Loader Backhoe minimum 20hr required at no expense to Municipality , to qualify at tender opening. (Model to be tendered)**

**Supplier must be situated within 100 km of Township of Whitewater Region .**

## **SPECIFICATION AND CONFIRMATION**

### **BACKHOE LOADER**

#### **EXTENDABLE STICK - FOUR WHEEL DRIVE**

This specification describes a four wheel drive integral backhoe loader, with extendible stick, to be used in road maintenance work.

Only the major details of a unit are listed. It is the supplier's responsibility to deliver a fully equipped unit, with compatible components, to provide dependable efficient service. Where minimums are given, the unit must meet or exceed the capacity, size, or performance specified.

Makes and models must meet or exceed this specification and must have approval, prior to tendering, of The Public Works Supervisor

Notwithstanding the above approval, the make and models tendered must comply with the following specifications in all aspects. Where specific, components are specified alternate components may be considered for approval by the Public Works Supervisor, prior to tender closing, if they meet our requirements all companies ( persons ) that have picked up tender documents will be advised by fax ,of the approval.

#### **Bids will not be considered if:**

- The demonstration of the loader backhoe requirement has not been satisfied.
- the product on which a price is submitted does not meet all the requirements of the specification, or
- the bidder does not confirm compliance with all items of the confirmation by marking "yes" in the confirmation column for all required items and providing the required information where **"SPECIFY" IS NOTED ON THE CONFIRMATION.**

**SPECIFICATIONS:**

**CONFIRMATION:**

**-Make& Model:**

Specify make and model of unit being tendered.

SPECIFY: \_\_\_\_\_  
MAKE: \_\_\_\_\_  
MODEL: \_\_\_\_\_

**-TYPE:**

The unit shall be designed as an integral backhoe loader, or an integral loader with a backhoe, **but not a tractor fitted with a loader and a backhoe.**

YES:

**-ENGINE:**

The engine shall be a four stroke diesel. Powered 85 Net Flywheel H.P. min. within Governed RPM Range.

YES:  
SPECIFY: \_\_\_\_\_  
MAKE: \_\_\_\_\_  
MODEL: \_\_\_\_\_

Minimum engine displacement shall be 4.0L (243 cu. in.).

SPECIFY: \_\_\_\_\_

The engine shall produce a minimum of 63 KW (85a net flywheel H.P.) within the governed speed range.

YES:  
SPECIFY: \_\_\_\_\_  
H.P. @ R.P.

**-ENGINE EQUIPMENT:**

The engine shall be equipped with the following components.

- Removable element oil filter  
Spin on type.

YES:

- Two-stage, dry air filter with pre cleaner  
and a restriction indicator which is clearly  
visible from the cab

YES:

- 12 volt battery rated at 700 CCA minimum

SPECIFY:  
CAPACITY:\_\_\_\_\_

Tilt hood/side access for easy servicing  
and engine maintenance.

YES:  
SPECIFY:\_\_\_\_\_

- Electric starter.

YES:

- 12 volt alternator of at least 85 ampere  
capacity.

YES:  
SPECIFY:\_\_\_\_\_

- Hand and foot throttle

YES:

- Low noise muffler

YES:

- Anti-freeze to - 45 degree C (-50F)

YES:

**-WEIGHT:**

SAE Operating weight - (17,000 lbs.)  
minimum with ROPS cab and equipment  
specified and must have sufficient counter weight .

SPECIFY:\_\_\_\_\_

**-TRANSMISSION:**

The transmission shall allow operation  
in two wheel drive and four wheel drive.

YES:

The transmission shall be full power shift or fully synchromesh with torque converter and shuttle shift.

SPECIFY: \_\_\_\_\_

The transmission shall have a minimum four forward ranges and four reverse ranges.

SPECIFY: \_\_\_\_\_

Clutchless reversing shall be supplied by means of full power shift and/or torque converter.

SPECIFY: \_\_\_\_\_

The unit shall be equipped with a reverse alarm.

YES:

**-AXLES:**

The front axle shall be mechanically driven and equipped with a differential.

YES:

Front axle load rating (Static), shall be (30,000 lbs) minimum.

SPECIFY: \_\_\_\_\_

Rear axle shall be equipped with a differential lock, or a torque proportioning differential.

YES:

**-STEERING:**

The tractor shall be equipped with power steering, which is shock resistant.

SPECIFY: \_\_\_\_\_

**-BRAKES:**

The rear wheels shall be equipped with foot operated service brakes.

YES:

There shall be separate pedals for the left

YES:

wheel and right wheel brakes, which can be individually or simultaneously operated.

The tractor shall be equipped with a parking brake, YES:  
sufficient enough to hold the tractor stationary , in gear at 1/2 throttle .

**-TIRES:**

The front tire size shall be matched to the rear tires and the drive train gear ratios. YES:

Minimum front tire size shall be 14-17.5,10 ply traction lug pattern. SPECIFY: \_\_\_\_\_

Minimum rear tire size shall be 19.5 L x 24, R 4.10 ply, R4 pattern SPECIFY: \_\_\_\_\_

**-CAB:**

The tractor shall be equipped with the tractor manufacturer's enclosed, weather-proof, factory installed cab. YES:

The cab shall have two side doors YES:

Exit shall be available from either side of the cab with the loader bucket fully raised. YES:

A roll-over protective structure (ROPS) shall be incorporated into the cab as per SAE J231 or SAF J043. YES:  
SPECIFY:  
STANDARD: \_\_\_\_\_

The cab windows shall be of safety glass. YES:

The cab door shall have weatherproof seals. YES:

The cab will be equipped with the following items:

- Suspension cloth bucket seat with fore/aft height, and backrest adjustment. Complete with arm rests and seat belt. YES:
- Cab heater which will provide comfortable conditions for the operator at an ambient temperature of - 45 degrees C (-50F). YES:
- Air conditioning that will provide comfortable conditions to the operator at an ambient temperature of +35 C (+95F). YES:
- Forced air defroster for front window. YES:
- AM/FM radio with speakers installed YES:
- Windshield wipers and washer of sufficient size to provide a clear view of the bucket in all operating positions. YES:
- Two inside rear view mirrors. YES:
- Two outside rear view mirrors YES:
- Face level fan to be provided. YES:
- A minimum 2 lb ABC type fire extinguisher shall be supplied. YES:

**-LOADER OPERATING CAPACITY:**

Loader lift capacity shall be (6,970 lbs.) minimum, to full height. SPECIFY CAPACITY: \_\_\_\_\_ TO FULL HEIGHT: \_\_\_\_\_

Loader breakout force shall be (10,000 lbs) minimum. SPECIFY: \_\_\_\_\_

The minimum dump clearance, measured at the cutting edge when the bucket is dumped at 45 degree, shall be 8' 4". YES: SPECIFY: \_\_\_\_\_

**-LOADER BUCKET:**

The loader bucket shall be Quik attach. manufacturer's heavy duty welded steel front dump type, with bolt-on cutting edges, and shall be quick attach from inside the cab YES:

The bucket nominal heaped capacity shall be a minimum of 1.3 cu. yd. SAE rating. YES: CAPACITY: \_\_\_\_\_

The bucket width shall be adequate to clear the front wheels when working in a stockpile. YES: SPECIFY: \_\_\_\_\_

**-LOADER FRAME AND LIFT ARMS:**

The loader frame and lift arms shall be of heavy welded construction. YES:

**-LOADER CONTROLS:**

The control valves shall be located so that they are easily accessible to the operator when loading or using the backhoe. The controls will not obstruct the operator's view of the bucket. YES:

The bucket control shall include a YES:

"return to dig" feature. Plus a visible level indicator.

Loader lift must have a detent for float position YES:

Auxiliary plumbing to the front bucket YES:

**-BACKHOE OPERATING CAPACITY: (SAE J49)**

The minimum boom cylinder lift capacity at the rated height, measured at the bucket hinge pin, over end, shall be 3,000 lbs. with stick retracted. YES:  
SPECIFY  
CAPACITY: \_\_\_\_\_

The minimum digging force with bucket cylinder shall be 12,500 lbs. SPECIFY: \_\_\_\_\_

The boom swing arc shall be 180 degree minimum. YES:  
SPECIFY: \_\_\_\_\_

Complete Backhoe attachment must have Greasable pins and bushings for extended wear life . YES:

Quick attach hitch included and must except Buckets supplied . YES:

**-BACKHOE OPERATING DIMENSIONS: (SAE J49)**

The minimum digging depth, for a 776 mm (30") flat bottom trench shall be 5370 mm (17'- 8") with the dipper stick extended. SPECIFY: \_\_\_\_\_

The minimum reach from the centre of the swing mast pivot pin to the supporting surface of the bucket teeth at ground shall be 5,860 mm (19') with the stick extended. YES:  
SPECIFY: \_\_\_\_\_

Loading height shall be (10' 0") minimum, with bucket pivot pin centerline to the cutting edge at 60 degree maximum with YES:  
SPECIFY: \_\_\_\_\_

respect to the ground line - stick extended.

**-BACKHOE STABILIZERS:**

Two hydraulically operated outriggers with YES:  
with flip over pads. Normal operating side to  
be rubber,

**-BACKHOF, BUCKET**

30" heavy duty (5 teeth) Trenching bucket YES:  
deep profile shall be supplied.

The buckets shall be of heavy welded steel YES:  
construction. (Heavy Duty)

**NOTE: Buckets supplied must fit on quick attach unit supplied on new backhoe.**

**-BACKHOE EQUIPMENT:**

Automatic hydraulic swing brakes or cushioning YES:  
shall be supplied. SPECIFY: \_\_\_\_\_

The backhoe shall be entirely hydraulically YES:  
controlled with separate cylinders to control  
the bucket, boom and stick.

Two (2) Lever stick pattern controls YES:  
to be supplied ( with pilot, remote ,or precision  
controls ) SPECIFY: \_\_\_\_\_

Pattern to be easily changeable YES:

Bucket (s) to be quick attach YES:

**-HYDRAULIC SYSTEM:**

A complete hydraulic system for the loader and the backhoe shall be supplied for efficient operation of the loader and the backhoe. YES:

**Type:** Closed centre, load sensing, flow sharing SPECIFY: \_\_\_\_\_

**Hydraulic Pump:** SPECIFY TYPE: \_\_\_\_\_

System Pressure: 3300 psi maximum. Loader And backhoe to run at the same system pressure. SPECIFY: \_\_\_\_\_

Hydraulic Reservoir: Separate oil reservoir not Shared with other systems. YES:

Hydraulic Hoses: Abrasion protection of valve To boom hoses. Hoses to have burst pressure at 4X working pressure and protected sheathing at major pivot joints. SPECIFY: \_\_\_\_\_

Hydraulic manifold to have separate manifold Sections for each individual hydraulic function. SPECIFY: \_\_\_\_\_

Minimum hydraulic pump(s) capacity shall be 150 L/min. at 2200 rpm. PUMP CAPACITY: \_\_\_\_\_

Shall be equipped with hydraulic ride control switch activated. YES:

Operation of quick attach shall be from inside the cab for the loader. YES:

**-VANDALISM PROTECTION:**

A lock or locked cover shall be provided to protect: fuel cap, cab doors, engine side panels, hydraulic oil reservoir cap, and the YES:

radiator cap.

A maximum of 1 key shall be required YES:  
to open all locks. Minimum 4 sets of keys  
to be supplied.

**-PAINT:**

The manufacturer's standard yellow paint SPECIFY: \_\_\_\_\_  
scheme will be acceptable. If the  
manufacturer's standard paint is not yellow,  
the unit shall be painted to Dupont #B9044K  
or equivalent.

**-LIGHTS:**

The following lights are required:

- Two head lights/ two front work lights YES:
- Four rear, work light YES:
- Two red tail lights YES:
- Instrument panel lights YES:
- Cab dome light with a separate switch YES:
- Turn signals YES:
- Amber strobe double flashing YES:  
light with switch and separate blue  
lens Grote #77073 or equivalent.  
Visible from the rear and front of the machine

**-MANUALS:**

Operators, maintenance, and parts manual YES:  
shall be supplied with each unit.

**-WARRANTY:**

All supplied and mounted equipment shall be covered by the manufacturer's standard factory warranty, commencing from the in service date. 12 months full machine warranty with additional extended 24 months on power train to make power train coverage a total of 36 months.

SPECIFY: \_\_\_\_\_

The manufacturer shall submit a warranty statement with the tender documents.

YES

**-ONTARIO AGENT:**

The vendor shall designate an Ontario grant(s) authorized to represent the vendor in Ontario for the purpose of equipment delivery, warranty, equipment repairs and parts supply. The agent must operate a full service facility.

YES:

**SPECIFY:** (for additional space attach document)

**AGENT COMPANY NAME:** .....

**ADDRESS:** .....

.....

**CONTACT PERSON:** .....

**TELEPHONE NUMBER:** .....

**Signature of Bidder:** .....

**Date Signed:** .....

**Estimated date of Delivery**.....