

FORM A: BID
(See B7)

1. Contract Title SUPPLY & DELIVERY OF INDUSTRIAL LANDSCAPE FRONT END
WHEEL LOADERS

2. Bidder

Name of Bidder

Street

City

Province

Postal Code

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

The Bidder is:

(Choose one)

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent
the Bidder for purposes of the Bid.

Contact Person

Title

Telephone Number

Facsimile Number

E-mail address

4. Definitions

All capitalized terms used in the Contract shall have the meanings
ascribed to them in the General Conditions and D3.

5. Offer

The Bidder hereby offers to perform the Work in accordance with the
Contract for the price(s), in Canadian funds, set out on Form B: Prices,
appended hereto.

6. Commencement
of the Work

The Bidder agrees that no Work shall commence until he is in receipt of
a notice of award from the Award Authority authorizing the
commencement of the Work.

7. Contract

The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda

The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No.	_____	Dated	_____
	_____		_____
	_____		_____

9. Time

This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures

The Bidder or the Bidder's authorized official or officials have signed this _____ day of _____, 20____.

Signature of Bidder or
Bidder's Authorized Official or Officials

(Print here name and official capacity of individual whose signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
 (See B8)

SUPPLY & DELIVERY OF INDUSTRIAL LANDSCAPE FRONT END WHEEL LOADERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	Industrial Front End Landscaper Wheel Loader	08119	(Each)	(11)	\$ _____	\$ _____
2.	(4 in 1) Multi-purpose Bucket	08119	(Each)	(11)	\$ _____	\$ _____
3.	General Purpose Buckets	08119	(Each)	(8)	\$ _____	\$ _____
4.	Forks for (4 in 1) Multi-purpose Bucket	08119	(Each)	(1)	\$ _____	\$ _____
5.	Box Scraper	08119	(Each)	(8)	\$ _____	\$ _____

TOTAL BID PRICE (GST and MRST extra) (in figures) \$ _____

(in words) _____

 Name of Bidder

**FORM N: DETAILED SPECIFICATIONS 08119
INDUSTRIAL FRONT END LANDSCAPE WHEEL LOADERS**

1.0 DESCRIPTION OF EQUIPMENT AND PERFORMANCE-

- 1.1 These specifications describe the **Supply and Delivery of an Industrial Front End Landscape Wheel Loader** and other equipment and features as specified herein.
- 1.2 Shall be capable of consistent top performance for construction activities, snow removal work and other miscellaneous functions such as ground, boulevard and parkland maintenance during the summer and winter environment, which is normal to the City of Winnipeg.
- 1.3 The **Industrial Front End Landscape Wheel Loaders** and all other items/components shall be the manufacturer's latest models. The wheel loader shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the wheel loader, (including attachments and counterweights) in successful operation shall be furnished as though specifically mentioned in these specifications. The complete wheel loaders and attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.

2.0 OTHER SPECIFICATIONS AND STANDARDS-

- 2.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 2.2 The wheel loaders and all its components and attachments shall comply with the **applicable** regulations:

Highway Traffic Act = <http://web2.gov.mb.ca/laws/statutes/ccsm/h060e.php>

Manitoba Motor Vehicle Act = <http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/menu.htm>

Canadian Motor Vehicle Safety Standards, CMVSS = <http://www.gnb.ca/0062/regs/83-163.htm>

Transport Canada = <http://laws.justice.gc.ca/en/notice/index.html?redirect=%2Fen%2FM-10.01%2F250448.html>

National Safety Mark, NSM = <http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/regulations/mvsrg/001/mvsr3-5.html>

Manitoba/Winnipeg Safety and Health Act = <http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> and <http://www.gov.mb.ca/labour/safety/>

Canadian Standards Association, CSA = <http://www.csa.ca/about/Default.asp?language=english>

Under Writers of Canada, U/L = <http://www.ulc.ca/>

Society of Automotive Engineers, SAE = http://en.wikipedia.org/wiki/Society_of_Automotive_Engineers

- 2.3 It will be the responsibility of the Bidder to inform the City of any deficiencies in these specifications, for under this Contract the Contractor shall be held responsible for the design, performance, reliability and satisfactory operational function of the units.

3.0 QUALIFICATIONS OF MANUFACTURER / BIDDER-

- 3.1 Manufacturers of wheel loaders must have a **minimum of three (3) continuous years** of experience manufacturing wheel loaders equipment of the type being offered.
- 3.2 The Bidder shall be an authorized distributor/supplier of the wheel loader equipment being bid.

4.0 SERVICE FACILITY-

- 4.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

5.0 MAKE-

- 5.1 State make: _____

6.0 BIDDER'S MODEL-

- 6.1 State model being bid: _____

7.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS-

- 7.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.
- 7.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.
- 7.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID.**

8.0 WEIGHT & DIMENSIONS-

- 8.1 Operating weight – State operating weight- _____
- 8.2 Overall width over tires, less bucket – State- _____
- 8.3 Overall height (to top of cab, not including warning beacon) – State- _____
- 8.4 Ground clearance – State- _____
- 8.5 Overall length, bucket on ground – State- _____

9.0 ENGINE-

- 9.1 Type –**Tier III compliant** -diesel, liquid cooled and turbo charged. (SCR- Selective Catalytic Reduction not acceptable). Engines shall be warranted to use biodiesel at a B10 blend level (10% biodiesel to 90% ultra low sulphur diesel), where the biodiesel will meet product specification ASTM D 6751 to ensure fuel quality, state-

- 9.2 Net horsepower as per SAE J1349 approx 84-85 H.P. State net horsepower and kW power-

- 9.3 Fuel shut-off - electric solenoid type.

- 9.4 Fuel filter - spin-on type.

- 9.4.1 Fuel system water separator - required.

- 9.5 Oil filter - full flow, spin-on type.

- 9.6 Air cleaner - dry two-stage with restriction indicator and pre-cleaner.

- 9.7 Exhaust - vertical pipe complete with muffler. Vertical discharge with bend and 40° cut-off.

- 9.8 **Coolant:**

- 9.8.1 Ethylene glycol based, protected to (-50°C).

- 9.8.2 Extended lifelong coolant.

- 9.8.3 Engine coolant heater - immersion type, 1,000 watts, with covered recessed male plug.

- 9.9 Engine protection system - shall provide visual and audible warning of principal machine systems including engine oil pressure and coolant temperature.

- 9.9.1 Engine shutdown protection - low oil pressure and high water temperature shutdown.

- a) State make and model of shut down system being offered.

- b) State details of shutdown system

- 10.0 DRIVE TRAIN-**
- 10.1 **Transmission:**
- 10.1.1 Shall be four (4) wheel-drive

- 10.1.2 Shall have the capability of allowing the operator to engage (4) wheel drive either stop or moving. (4) wheel drive indicator light preferred, state-

- 10.1.3 Shall have the capability of full power shift with torque converter.

10.1.4 Shift control - single lever. _____

10.1.5 Forward gears – State number of speeds- _____

10.1.6 Reverse gears – State number of speeds- _____

10.2 Differentials:

10.2.1 Rear Axle- limited slip or hydraulic locking
Differential, state- _____

10.2.3 Differential drain plugs - magnetic type. _____

11.0 BRAKES, STEERING & TIRES-

11.1 Service brakes – State- _____

11.2 Parking Brake - Required _____

11.3 Two Control Pedals: _____

11.3.1 Accelerator pedal _____

11.3.2 All-wheel braking system preferred- _____

11.4 Tires and Rims:

11.4.1 Tires

a) Radial _____

b) State size & ply front & rear _____

c) Tires shall have a sure grip design. _____

d) Michelin or Bridgestone preferred, state- _____

12.0 FRONT END LOADER-

Must have factory quick coupler with additional
Hydraulic valve capability to operate hydraulic attachments, state quantity- _____

12.1 Breakout force – State- _____

12.2 Tipping Loads:

12.2.1 Static straight – State- _____

12.2.2 Full turn – State- _____

12.3 Hinge pin height, fully raised – State- _____

12.4 Loader Controls:

- 12.4.1 One dual function lever that provides lift and curl of the bucket. _____
- 12.4.2 Bucket leveller - automatic with position indicator. _____
- 12.4.3 Automatic "Return to dig" option. _____
- 12.4.4 Boom height control (kick-out) - automatic, adjustable. _____
- 12.5 Ride control system (accumulator) required to attenuate machine bounce during travel. Shall be OEM system. (Aftermarket system unacceptable) _____
- 12.5.1 The ride control system shall be of the type that automatically engages or disengages, dependent on the machines ground speed. _____
- 12.6 **Loader buckets:**
- 12.6.1 **-Multi-purpose buckets** (4 in 1) with fork provisions-
- a) Bucket capacity, SAE – 1.3 yd³, state- _____
- General purpose buckets**
- b) Bucket capacity SAE – 1.0 yd³, state- _____
- 12.6.2 Bucket width to exceed machine width at tires. _____
- 12.6.3 Cutting edge - bolt-on, heat treated steel, 1, 2 or 3 piece reversible blade acceptable, full width of bucket x 12 inch deep, state make and model being bid. State make and model of blade supplied- _____
- 12.6.4 Bottom wear plates - required to prevent bucket heel from rubbing on ground. _____
- 12.6.5 Side wear plates – state type- _____
- 12.7 OEM or Engineer approved Loader safety prop bar - required. _____
- 12.7 Hydraulic fluid level indicator / shutdown - required. _____
- 13.0 OPERATOR COMPARTMENT-**
- 13.1 Type – ROPS- Roll Over Protective Structure complete with pressurized cab, OSHA certified or equal.
- "Roll-over protective in relation to a machine, means a structure that protects every structure (ROPS) operator of the machine who is wearing a restraining device from being crushed if the machine rolls over."** _____
- 13.2 Insulation - required for sound suppression. _____

- 13.3 Seat - cushioned, adjustable high back bucket type with cloth upholstery, air suspension, armrests and retractable seat belt. _____
- 13.4 Windows - Tinted safety glass with appropriate markings for all panes. _____
- 13.5 Sun visor - fold-down type. _____
- 13.6 Door - lockable with keyed lock. Door/window shall latch in fully opened position. _____
- 13.7 Exterior breakaway rear view mirrors - one (1) each side. _____
- 13.7.1 Interior rear view mirror. _____
- 13.8 Windshield wipers - two speed, front and rear. _____
- 13.8.1 Windshield washers - front and rear. _____
- 13.9 Heater/defroster/ - heavy duty, hot water type with multi-speed fan and filtered air intake. _____
- 13.9.1 Must have interior cab heater capable of sustaining cab temperature to 20°C at an outside ambient air temperature of - 40°C _____
- 13.9.2 Defroster - capable of keeping all windows clear at - 40°C. _____
- 13.10 Air conditioning - required. _____
- 13.11 Radio - AM/FM/CD _____
- 13.12 Steering wheel - tilt type. _____
- 13.13 Rubber floor covering - required throughout. _____
- 13.14 **Instrumentation:**
- 13.14.1 Shall be as follows but not limited to:
- a) Engine coolant temperature gauge and alarm. _____
 - b) Engine oil pressure gauge and alarm. _____
 - c) Transmission oil temperature gauge _____
 - d) Hour-meter- required. Non-resettable. _____
 - e) Ammeter, voltmeter- state. _____
 - f) Fuel gauge- required. _____
 - g) Tachometer- state. _____
- 13.14.2 Gauges shall be mounted in the control panel (dashboard), or in a location that is easily

observed by the operator from the seat.

13.15 Noise level, interior - 77 dB (A), state noise level.

13.16 Interior window fan required. Exact location to be determined upon a Pre-production meet.

14.0 ELECTRICAL & LIGHTING-

14.1 Type - 24 volt, negative ground electrical system.

14.2 Electric starter - required.

14.2.1 Electric starter — thermally and over spin protected.

14.3 Starter switch - key type.

14.3.1 Three (3) sets of keys required.

14.4 Batteries - two (2), 880 CCA capacities each.

14.4.1 Battery disconnect switch - required.

a) Battery disconnect switch, protected from the elements.

14.5 Alternator -,state output.

14.6 LED, Combination stop and tail lights - two (2), protected from damage.

14.7 LED, Signal lights with warning flashers - two (2), visible front and rear.

14.8 Halogen Headlights - two (2), mounted immediately below cab roof.

14.9 Work lights:

14.9.1 Halogen work lights required.

14.9.2 Front - two (2), adjustable, mounted near top pivot of loader lift arms.

14.9.3 Rear - two (2). Must be fully adjustable.

14.9.4 Independent on/off switch for each pair of work lights.(front and rear)

a) Dash mounted, wired through ignition.

14.10 Full set of Manitoba Highways provincially approved highway lights, (wigwag lights).

14.10.1 Shall be independently controlled through a separate switch.

14.10.2 Highway lights not to extend past cab. _____

14.11 Cab interior (dome) light. _____

14.12 Horn. _____

14.13 Warning Beacons:

14.13.1 Blue/Amber with Clear Lens L360 Series Super LED Beacon: **L31HABF**
Branch Guard: **L360BGB**

14.13.2 Shall have two light settings low and bright _____

14.13.3 Roof mounted with ramped, bolt-on metal guard, _____

14.13.4 Complete with dash mounted on/off switch wired through ignition. _____

a) Beacon to be independently switched. _____

14.14 Back-up alarm – 97 dB (A), mounted at rear of unit, located to be protected from damage, state location- _____

14.15 Radio installation provision - 12 volt, 20-amp circuit available at a spare circuit breaker, suitable for installation of a 2-way mobile radio. _____

14.15.1 Radio to be wired on an independent circuit. _____

14.16 Wiring:

14.16.1 All electrical functions (except warning flashers, and 2-way radio circuit) shall be wired through the ignition. _____

14.16.2 Wiring for all locally installed equipment shall be colour coded, loomed and properly secured. _____

14.16.3 All joining of wires and electrical connectors shall be soldered and sealed with heat shrink tubing or with sealed weather tight connectors _____

14.16.4 No splices shall be made into OEM or after market wiring harnesses. _____

14.16.5 All additional circuits are to be run from a power distribution box. _____

14.16.6 All fuses, relay's and circuit breakers to be made easily accessible. _____

15.0 MISCELLANEOUS-

15.1 OEM Counterweight(s) - supplied as required to

provide specified tipping load capacity, state weight of counterweight (lbs.) and location-

Note: Tire ballasts not acceptable.

15.2 Fenders - required front and rear with anti-skid tape on step surfaces where applicable, state type-

15.3 Engine side covers - hinged (if lockable, all locks must keyed alike).

15.4 3 point hitch, with landscape box scraper

15.5 Operator access point with non-skid step surfaces.

15.6 Grab handles - supplied as required, state locations-

15.7 Toolbox - lockable, state location-

15.8 Slow moving vehicle emblem.

15.9 Automated Greasing System:

15.9.1 Groeneveld Twin Automatic Greasing System, state quantity of grease points-

15.9.2 Activated by release of the parking brake or daytime running lights.

15.9.3 Reservoir capacity – The reservoir capacity shall be sufficient as to allow the machine to run for 250 hours before being refilled

15.10 Flare kit- Three (3) triangular reflectors, CVSA approved

15.11 Fire extinguisher- 10 lb. ABC type, required in cab with mounting bracket

15.12 First Aid Kit- Required, mounted and secured in cab

15.13 Vandalism protection system, state type-

15.14 Box Scraper required, to be operated by in cab joystick controls, state dimensions-

16.0 TRAINING-

16.1 The Contractor shall be required to provide training

(at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel. The training shall be conducted in separate or combined sessions for each group of personnel.

The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator.

The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Contract Administrator.

The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.

Pricing should be based on four (4) business days for maintenance personnel and four (4) business days for operating personnel.

Note: The first payment of the contract on the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator.

16.2 Training Aides:

16.2.1 Training aids to be included.

a) On the type of equipment being offered, state if VHS videotape or CD Rom training aides are available-

16.2.2 State if other training aides are available and state type.

16.3 What is the recommended minimum training duration for:

Primary unit:

For major attachments (if applicable):

16.4 State what other training aids are available (videos, CDs).

For the primary unit:

For major attachments (if applicable):

16.5 Training Materials and applicable manuals or on-line training material information must be provided to the

Operator Training Branch of Public Works at the earliest possible opportunity, no later than (4) weeks prior to delivery, when supplying vehicles, equipment and related attachments. Send these materials, preferably in both electronic format and hard copy (training videos are to be supplied on either CD or DVD) to:

**Public Works Safety and Operator Training Division
Operator Training Branch
2nd Floor, Building "B", 1500 Plessis Road
R2C 5G6**

E-mail: pwd-opertrain@winnipeg.ca

Attn: Equipment Training Coordinator - Pending Equipment Delivery

16.6 State acknowledgement of item 16.5- _____

16.7 State manufacturer's accreditation or certification for training _____

17.0 WARRANTY-

17.1 Upon request, complete details of warranties shall be made available within twenty-four (24) hours of the request of the Contract Administrator. _____

17.2 The Contractor shall warrant all equipment and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within **two (2) years** from the date the equipment is put into service by the City of Winnipeg. _____

17.2.1 Notwithstanding 17.2 above, the Contractor shall warrant all major components including, but not limited to, engine, transmission, final drives, all wheel drive system (and all components thereof), pumps and motors, axle assemblies, tandem drives, etc. against any defects of workmanship, construction and materials, and agrees to repair or replace without cost to the City, articles that have become defective and not proven to have been caused by negligence on the part of the user within **five (5) years or 7500 hours** from the date the equipment is put into service by the City of Winnipeg. _____

17.2.2 Notwithstanding 17.2 above, the Contractor shall warrant all attachments, and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within **one (1) year** from the date the equipment is put into service by the City of Winnipeg. _____

17.3 The warranty shall not include regular maintenance items or any item deemed as a consumable that is subject to everyday wear and tear, during the regular operation of

the unit. _____

17.3.1 Examples of items not covered under warranty:

- a) Ground engaging tools such as bolt cutting edges or bucket teeth.
- b) Maintenance items such as filters, oils, belts etc
- c) Miscellaneous items such as wiper blades, lights.

17.3.2 If the equipment provided by the Contractor contains any part manufactured by an outside source, that falls under the description in any one of the Clauses 17.3.1 above, and has a standard manufacture's warranty, the term's contained in the manufacture's warranty shall apply.

- a) In the event of contradiction, the requirements of specification 17.3.2 shall take precedence over those of specification 17.3.1. _____

17.4 The following shall be covered under manufacture's warranty:

- a) Batteries.
- b) Tires. _____

17.5 All incidental warranty related costs (including, but not limited to, Contractor's travel, mileage, deductibles, towing costs etc.) in executing any part of the warranty shall be the sole responsibility of the Contractor. _____

17.6 All warranty work performed by the contractor is be accompanied with a priced warranty invoice showing a zero balance minus any deductibles. _____

18.0 ONLINE DEALER SUPPORT-

The following information shall be available web based on line at the time of delivery of the equipment and shall be included in bid price. On-line dealer support shall be for a (9) year life cycle. _____

18.1 Operational (Operator manual) information _____

18.2 Parts/technical/service/repair information _____

18.3 Preventative maintenance schedules _____

18.4 State Website address- _____

18.5 Website subscriptions that is necessary in providing delivery of the information shall be included in the cost. _____

18.6 The information contained in the website must be deemed acceptable by the City's equipment inspector. In the

event that the City inspector finds the that the information contained on the website.

- Does not provide enough detail,
- Is too difficult to navigate

At the inspectors discretion, the Contractor shall instead, supply the required manuals/CD's/paper bound copies.

19.0 LITERATURE-

19.1 Bidders shall submit within twenty-four (24) hours upon request of the Contract Administrator, current descriptive, detailed literature on the equipment being bid.

18.0 FULL MAINTENANCE QUOTATION-

18.1 Please provide quotation on a guaranteed maintenance contract as per manufactures maintenance guidelines for the following:

- 18.2 (7) years full maintenance- \$\$ _____
- 18.3 (8) years full maintenance- \$\$ _____
- 18.4 (9) years full maintenance- \$\$ _____

21.0 DELIVERY-

21.1 Delivery Point- The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.I.V.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB.

21.2 Delivery Time- Within **twenty (20) calendar weeks** from the date of official notification of award of contract. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days.

21.3 Delivery Contact- The Contractor shall contact the Contract Administrator prior to delivery of the equipment.

21.4 P.D.I- A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list

22.0 REPAIR TIMES-

22.1 SRT Times- Please provide Standard Repair Times (SRT), of the nature of equipment being bid.
