



THE CORPORATION OF THE CITY OF NIAGARA FALLS

REQUEST FOR TENDER - SUPPLY

**RFT18-2019 - SUPPLY & DELIVERY OF ONE (1)
HAUL-ALL COLLECTOR TRUCK**

SPECIFICATIONS

NAME OF COMPANY (DEALER): _____

ITEM/CATEGORY	CITY REQUIREMENTS	BIDDER TO STATE SPECIFICATIONS
Make		
Year	New	
Model	550 Series or equivalent	
Cab	Regular	
Engine	V8 Gas, V10 acceptable.	
Transmission	Automatic / with Over drive	
Suspension	HD suspension	

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ITEM/CATEGORY	CITY REQUIREMENTS	BIDDER STATE SPECIFICATIONS
Steering	Power Steering	
Oil Filter	Spin On	
Air Filter		
Tires	All Season Radials	
Brakes	Power ABS	
Electrical System	HD Alternator	
Windshield Wipers	Intermittent	
Windows & Mirrors	Mirror must see past debris body	
Heater & Air Conditioning	Factory Installed	
Trailer wiring	Must be equipped with factory Trailer package with 7 prong plug to rear of vehicle and built in Trailer Brake Control	
Lights	As per MTO, with LED emergency lights	
Dimensions	Overall length of unit shall be 287" Width of unit with bucket raised shall be 102" maximum Width of unit with bucket lowered shall be 139" maximum Height of unit shall be approximately 83" Height of unit shall be approx. 120" to 126" when mounted on chassis	

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<p>Body</p>	<p>Body volumes shall be 16 cu. Yd. minimum Net body weight shall be 4,600 lb. maximum Loading bucket lip shall be (Right side) and no more than 2" above chassis frame rail in the loading position. Loading bucket capacity shall be 1,000 lb minimum. Loading bucket volume shall be 1 cu. yd. minimum and supplied with protective liner to resist wear. Loading opening on Right side shall be minimum 34 square feet Loading opening shall be 98" minimum Loading bucket shall be integral part of the compaction process The upper body to be constructed of high tensile 16 gauge steel Side panel opposite loading bucket shall be lined with top quality #1, 1/2" plywood Floor shall be constructed of 10 gauge steel minimum Frame shall be constructed of 10 gauge steel tube The main rocker shaft shall be torsion stressed heavy-duty steel Load & pack cycle shall not exceed 15 seconds @1600 engine RPM's Rear door shall be bubble design and powered hydraulically for dumping and closing. Door shall be lined with protective coating to resist wear Body shall be equipped with poly fender inserts over rear wheels. Safety bar shall be supplied to prevent the body from dropping while performing service.</p>	

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Hydraulics	<p>Hoist shall be double acting cylinder Dumping angle shall be 45 degrees Hoist capacity shall be 5 tons minimum Pump shall be gear type Pump output shall be 10 US GPM @1600 Engine R.P.M. minimum Pump drive shall be PTO driven off the transmission with an electric clutch disconnect. A mechanism shall be utilized to prevent the clutch from engaging while in forward or reverse. Hydraulic valves shall be proportional control One valve shall control the dump cycle and one valve will control the compaction cycle. Valves will be located behind chassis and under the Haul-All body with easily accessible for maintenance. System pressure shall be 2400 PSI maximum. An inline 33 micron pressure filter with 15 US GPM capacity shall be installed on the return line.</p>	
Utility Cabinet	<p>Unit shall require an additional 24" CA for maximum of 84" CA total for body and cabinet. Width shall be 20" minimum Depth shall be 69" maximum Height of cabinet shall be 33" maximum. Volume of cabinet shall be minimum 24 cu. Ft. Weight of cabinet shall not exceed 240 lb. Cabinet sides and doors shall be constructed with 16 gauge steel Cabinet frame shall be 10 gauge formed and welded steel ¾" plywood shelves shall be supplied All latches and hinges shall be stainless steel N.B.- It shall be possible to mount the pressure wash system in the cabinet without alterations to existing truck at a later date.</p>	

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ITEM/CATEGORY	CITY REQUIREMENTS	BIDDER STATE SPECIFICATIONS
<p>High Pressure Washing System</p>	<p>Pump shall be hydraulically driven at 4 GPM @ 1500 PSI 39 gallon water tanks shall be supplied and mounted Pressure hose shall be 50 feet in length, 3/8" rated at 1000 PSI A hose reel shall be supplied and be of sufficient size as to accommodate entire length of hose. One spray gun with 36" extension & 35 degree nozzle shall be supplied Liquid soap dispenser shall be supplied Engine exciter switch shall be supplied and connected to the circuit Entire system shall be powered via the truck hydraulic circuit</p>	
<p>Vacuum System</p>	<p>Unit shall be 46" wide Unit height shall be 56" Depth shall not exceed 30" Weight with side boom shall be 690 lb Frame construction shall be 10 ga. steel minimum Door panels shall be constructed of 16 ga. steel minimum Body shall be supplied with vent and seal kit to accommodate litter loaders air flow into body Housing shall be 12 ga. steel minimum Turret shall be 12 ga. steel minimum Suction nozzle shall be high grade aluminum w/ heavy duty steel handle Intake hose shall be minimum 12" cm with heavy duty wire support Wandering hose shall be 15' length minimum Impeller shall be minimum 1/4"/.630 mm steel plate with 3 dynamically balanced vanes. Unit shall be powered by a direct drive hydraulic motor powered by the units main hydraulic pump, no auxiliary engine shall be used to power the vacuum</p>	

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Barrel Dumper	<p>Barrel dumper apparatus shall be left hand side mounted capable of lifting and unloading 45 gallon barrels</p> <p>The barrel dumper must have a minimum lifting capability of 400 lb.</p> <p>The barrel dumper shall have a complete lifting, dumping and return cycle of not more than 15 seconds</p> <p>The barrel dumper shall have a dumping angle of 45 degrees and shall extend the cart sufficiently enough to empty refuse into the center of the refuse body with limited spillage.</p> <p>The barrel dumper shall operate in conjunction with the compaction cycle of the refuse body.</p>	
Cart Collection	<p>Integrate with Semi-automated cart collection apparatus..</p>	
Chipper Tailgate	<p>Rear hydraulic tailgate shall have an independent door 38" wide by 24" high centrally located at the top side of the tailgate to accept a power chipper chute.</p>	
Tow Hitch Pintle	<p>The pintle shall be mounted directly under the chipper opening in the tailgate.</p>	
Access Loading Door	<p>Side access door shall be 28" x 28" and mounted on the forward side of the body an on the opposite side to the loading and compaction bucket</p>	
Mfg.'s Corrosion Warranty		
Paint	<p>The body shall be sandblasted and all welds properly cleaned prior to painting</p> <p>Two coats of quality primer shall be applied to entire body structure</p> <p>Two coats of high grade finish paint to original manufacturers specifications shall be applied, colour white.</p>	
Warranty	<p>Please state warranty on body</p> <p>Please state warranty on cab and chassis</p>	

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ITEM/CATEGORY	CITY REQUIREMENTS	BIDDER STATE SPECIFICATIONS
Manuals	Complete Service Manuals for Operating Components	
Manuals	Service Manuals for Truck	
Delivery		
License	By City of Niagara Falls	