

NOTICE TO BIDDERS

Purchase of Landfill Compactor with Bulldozer Blade Worcester County, Maryland

The Worcester County Commissioners are currently accepting sealed bids for the purchase of one (1) new Landfill Compactor with Bulldozer Blade and Powershift Transmission for the Solid Waste Division of the Department of Public Works. Bid specification packages and bid forms are available from the Office of the County Commissioners, Room 1103 - Worcester County Government Center, One West Market Street, Snow Hill, Maryland 21863, obtained online under the "Bids" drop-down menu in the lower right hand side of the home page at www.co.worcester.md.us or by calling the Commissioners' Office at 410-632-1194 to request a package by mail. **Sealed bids will be accepted until 1:00 PM, Monday, September 11, 2017** in the Office of the County Commissioners, Room 1103 - Worcester County Government Center, One West Market Street, Snow Hill, Maryland 21863, at which time they will be opened and publicly read aloud. Envelopes shall be marked "**Bid for Landfill Compactor with Bulldozer Blade**" in the lower left-hand corner. After opening, bids will be forwarded to the Public Works Department for tabulation, review and recommendation to the County Commissioners for their consideration at a future meeting. In awarding the bid, the Commissioners reserve the right to reject any and all bids, waive formalities, informalities and technicalities therein, and to take whatever bid they determine to be in the best interest of the County considering lowest or best bid, quality of goods and work, time of delivery or completion, responsibility of bidders being considered, previous experience of bidders with County contracts, or any other factors they deem appropriate. All inquiries shall be directed to Mike Mitchell, Solid Waste Superintendent, at 410-632-3177.

SPECIFICATIONS:

Landfill Compactor with a Hydraulic Bulldozer Blade.

The equipment called for in this specification shall be a **Landfill Compactor w/Bulldozer Blade & Powershift Transmission** to be used by the Worcester County Public Works Dept. – Solid Waste Division. It shall be the standard product of one manufacturer. The selling dealer shall provide the parts and service facilities to properly service the machine and all its components and assure its performance. Any and all parts or attachments not specifically mentioned but necessary to furnish complete equipment shall be furnished by the successful bidder and they shall conform in strength, quality of material and workmanship to what is usually provided by good engineering practice indicated in these specifications. Bulldozer shall be the current model in production at time of bid.

OPERATING WEIGHT

Standard machine operating weight shall be at least 80,000 pounds without ballast, including coolant, lubricates, sound suppressed cab plus ROPS, landfill blade, hydraulic and fuel tank full.

ENGINE

Engine will be diesel, developing not less than 400 horsepower at flywheel rated RPM operating under SAE standard ambient temperature and barometric pressure.

TRANSMISSION

Transmission shall be power shift type with minimum of two (2) forward and two (2) reverse speeds. Must be capable of high-speed directional changes without engine deceleration.

BULLDOZER BLADE

A semi-U landfill blade is required to effectively place material under the landfill compactor wheels.

- Width not less than 168 inches
- Moldboard height – minimum of 40 inches
- Overall height – minimum of 72 inches
- Top trash guard, see through design
- Reversible cutting edges

WHEELS

Wheels to be manufactured by Caron Compactor Company and equipped with high density style:

RECOMMENDED WHEEL SPECIFICATION FOR 83,500 LB. LANDFILL COMPACTOR WITH A 5 ROW – 8 TEETH/ROW ALTERNATING (ATP) PATTERN

Compactor Wheels:

- Must have Caron 7" DURAMEGA® (Pin-On®) Teeth with a minimum of 40 teeth per wheel.
- Outer drums must be a minimum of 1" in thickness.
- The four wheels shall be a maximum of 47.25" wide, and shall be the same size to permit rotation and to maximize tip wear life.
- Wheels must be self-cleaning without the use of cleaner bars.
- Teeth shall be a combination of two distinct shapes, one designed for traction and compaction, the other for demolition and lateral stability.
- Each tooth must be a two-piece design with field replaceable wear tips attached to protected bases by a double pin and coiled stainless steel spring type retainer system.
- One piece cleats or tips that are welded directly to the wheel surface without the capability of field replaceable wear caps will not be accepted. Two piece weld-on white iron teeth that can separate on the wheel do to dissimilar metals in the manufacturing process will not be accepted. Mechanical clip-on with spring steel clips will not be accepted. Bolt-on designs (with threaded retention) including those that require periodic re-torque to maintain tip retention will not be accepted.
- The tooth bases welded to the drum surface must be suitable for reuse with multiple sets of replacement caps.
- Wheels shall have five (5) wear bars welded to the inside cone of each wheel for added protection of the cone surface.
- The inner drum of each wheel shall be one continual drum including an extension adaptable to the close tolerance standard axle guard as furnished by the tractor manufacturer.
- Each drum extension shall have five (5) wear bars welded to the outside surface area. The drum extensions with wear bars must be compatible with CAT Axle Guards.

Wheels shall have Hardfacing, 1" in width multiple pass, applied to inner and outer drum edges for extended service life.

The manufacturer must provide written warranty that provides for a limited 10,000 hour tip wear life and a 20,000 hour wheel assembly with pin-on base guarantee.

CARON WHEELS WITH PATENTED 7" DURAMEGA EXTENDED WEAR PIN-ON TEETH WITH LOCK ARE SPECIFIED. NO SUBSTITUTES WILL BE ACCEPTABLE.

COVERS AND GUARDS:

This machine shall be equipped with the following covers and guards for protection against solid waste disposal environment:

- Locks on all filler caps.
- Engine compartment completely enclosed with perforated hood and side panels with easy access doors.
- Hinged radiator guard for maintenance access and cleaning.
- All crankcase and chassis guards.
- All seal guards and pivot shaft seal guards.
- Hydraulic and fuel tank guards.
- Front and rear operating light guards.
- Axle guards, front and rear.
- Front window guards
- Rear fan & grill guard

CAB ENCLOSURE:

The machine shall have a fully enclosed roll-over protection structure, including air pressurized cab, air filters, key locks, front and rear windshield wipers and washers, heater, defroster, air-conditioned, foot operated decelerator, AM-FM radio and a 12 volt converter or supply source for a two-way radio system. The cab shall be equipped with an Air suspension seat, seat belts and all requirements to meet OSHA and MOSHA regulations.

ACCESSORIES:

The machine shall be equipped with the following accessories in addition to any that may be listed as standard in the manufacturer's data sheets:

- Hour Meter
- Back-up alarm to meet OSHA regulations.

- Trash core design radiator
- Flexaire fan engine control system or equivalent to reverse fan pitch at preset intervals to purge debris from the radiator and engine compartment.
- Turbine air precleaner
- Rear rigid draw bar
- Light, warning, strobe light
- Toolbox, locking, waterproof
- Mirrors, interior and exterior mounted
- 100 Amp Alternator with heavy-duty batteries
- Front and rear operating lights
- Heavy-duty steps and handles
- Air horn

FIRE PROTECTION:

AFEX or equal dry chemical fire extinguisher system automatic and with manual actuation from cab to engine compartment and fuel system.

OPTIONS:

- Rear View Camera for reverse operation.
- No Spin Differentials – front & rear.
- Machine must be wired for Computer aided earth moving system (GPS) for compaction purposes.
- Seller must supply a complete Trimble Compaction System, all hardware, software, and training to operators

SERVICE REQUIREMENTS:

The successful bidder shall provide field service every 250 hours according to the manufacturer's recommended service schedule. This service shall include all labor, travel time, oils, fluids, all required filters, minor mechanical adjustments and an oil analysis. A follow through written report shall be submitted to the County per service visit. The service facilities must be within a 60-radius of Newark, MD. The vendor shall indicate the location of his service facility on the bid form.

PAINT:

Paint shall be standard manufacturer's color.

MANUALS

The vendor shall supply the County with one copy each of the following manuals upon delivery:

- Operator's Manual
- Parts Manual
- Shop Repair Manual

SERVICE:

Machine shall be designed to simplify and minimize requirement for routine maintenance. Bidders shall be required to prepare an estimate of hourly lubrication and maintenance and demonstrate relative ease of performing manufacturer's recommended routine maintenance requirements.

WARRANTY:

The vendor shall supply the county with two (2) copies of the Manufacturer's warranty at the time of delivery. Warranty shall be full machine warranty for five (5) years, or 12,500 hours on total machine, including travel & mileage and a list shall be supplied by seller of components covered. If machine is inoperable for more than 2 days, successful bidder must supply the county with a machine of equal specifications until repairs are made to county machine.

ADJUSTED COST AND FIVE YEAR REPURCHASE PROGRAM

The County will determine an adjusted bid by considering depreciation when analyzing bids.

Accordingly, an award of contract under these specifications may be made on basis of the lowest adjusted bid to be determined as follows:

Each bidder shall submit a price bid for equipment proposed pursuant to these specifications, together with the price at which he will agree to buy back said equipment at any time within a period of five (5) years from the date of delivery. Such repurchase shall be deducted from the price for the equipment and the result will be the adjusted price.

The County reserves the right to sell the equipment back to the contractor at any time during the five (5) year period at the purchase price stated in the bid, or to make no resale whatsoever.

The County warrants the equipment sold back to the contractor will be in operating condition at time of repurchase.

The contractor shall be excluded from performance under the contract only if prevented directly or indirectly by fire, flood, strike, act of God, war, or act of Government.

The price or prices quoted shall include all transportation charges fully prepaid to Department of Public Works – Solid Waste Division – 7091 Central Site Lane, Newark, MD 21841.

Purchaser desires delivery to be completed within 90 days from date of award. Bidder certifies delivery will be completed in 120 days from date of award.

Awards will be made on the best value offered. Clauses requiring specific guarantees to cover parts delivery, total repairs and resale value may be included. The quality of the articles to be supplied, their conformity with the specifications, their suitability to requirements, delivery terms and guarantee clauses shall be taken into consideration.

The purchaser reserves the right to reject any or all bids, waive any informality in bids and accept in whole or in such bid or bids as may be deemed in the best interest of the purchaser.

APPROVED EQUALS

In all specifications where a material or article is defined by describing a proprietary product or by using the name of a vendor or manufacturer, it can be assumed that an equal can be substituted. The use of a named product is an attempt to set a particular standard of quality and type that is familiar to the County. Such references are not tended to be restrictive. However, the County shall decide if a product does in fact meet or exceed the quality of the specifications listed in the solicitation. It shall be the responsibility of the vendor that claims his product is an equal to provide documentation to support such a claim.

GENERAL REQUIREMENTS:

1. The bidder must submit with the bid a complete set of specifications on the unit proposed. Copies of standard and extended warranties shall be submitted with bid.
2. The unit must meet all emission, sound and safety controls required by Federal, O.S.H.A and M.O.S.H.A regulations.
3. Prior to delivery, the unit shall be:
 - a. Complete with all accessories and equipment properly installed and operational.
 - b. Cleaned, lubricated and ready for immediate use.

Bid Form

I have reviewed the specifications and provisions for furnishing
One (1) Landfill Compactor w/Bulldozer Blade & Powershift Transmission.
and understand the said requirements.

I hereby propose to furnish this unit as follows:

One (1) Landfill Compactor w/Bulldozer Blade & Powershift Transmission

Make: _____ Model: _____

Delivered to: Department of Public Works - Solid Waste Division
7091 Central Site Lane, Newark, Maryland, 21841

Purchase with Guaranteed Buy Back at end of Five (5) Years; Five (5) Year, Full Machine
Warranty with 12,500 hrs. and Five (5) Year Parts Availability Warranty.

Acquisition Cost	\$ _____
Less Guaranteed Buy Back at end of Five (5) Years	
\$ _____	
Net Adjusted Price	\$ _____
Monthly Payment for Sixty mo. - Lease Purchase Option	
\$ _____	
Interest Rate	\$ _____

Described unit will be delivered within _____ calendar days from receipt of written
order.

Successful bidder must supply County with equal machine until new machine is delivered and
be responsible for all services and repairs to said machine.

BID MUST BE SIGNED TO BE VALID.

Date: _____ Signature: _____
Typed Name: _____
Title: _____
Firm: _____
Address: _____
Phone: _____