

RE: NEW TRUCK BID – BENTON COUNTY SANITATION DEPARTMENT

Upon motion by Supervisor Lowry, duly seconded by Supervisor Fortner, and thence receiving the unanimous vote of all members present and voting, the Board approved the following Notice for Bids, for the Benton County Sanitation Department.

Notice is hereby given that the Board of Supervisors of Benton County, MS will receive written sealed bids until 10:00 A.M. on September 27, 2017, for the purchase and/or lease purchase of One (1) or more new 2018 Model Year 8 Cubic Yard Rear Loader Body.

Instructions to Bidders:

1. No responsibility will be attached to any person employed by the Board of Supervisors of Benton County, MS, for the premature opening of any bid not properly addressed and identified as stipulated below:

**BID FOR: New 8 Cubic Yard Rear Loader Body
OPENING DATE / TIME: September 27, 2017 -10:00 a.m.**

2. All equipment / trucks offered in the bid must be new and in unused condition. Only 2018 year models will be considered
3. Any exceptions to the specifications must be listed in the Bidders bid with justification. Failure to do so will disqualify the bid.
4. Price bid shall be for F.O.B. Benton County, MS, and must include any pre-delivery and/or setup charges, title fees and inspection fees.
5. The Bidder shall complete the unit price bid with no further calculations required in order to determine the firm unit price.
6. Bid must be signed and dated by the Bidders Authorized Agent.
7. All bids must state Manufacturer Warranty.
8. All bids must state approximate delivery time.

9. Locations for parts and service must be included in the bid and will be a factor in determining the best bid.
10. All Bidders must secure a bid sheet along with specifications. Bid sheet must be completed in entirety before submission as a formal bid.
11. All Bidders must offer a guaranteed residual at the end of the term specified on "Bidders Sheet". All terms, conditions, and/or limitations specific to the equipment at time of turn in must be clearly stated.
12. It shall be incumbent upon each Bidder to understand the specifications on the bid form and to obtain clarification when necessary. It is not the intent of the specifications to limit the bidding process to any make or manufacturer, but to fill a specific need and to perform a specific task.
13. The Board of Supervisors of Benton County, MS reserves the right to determine which is the lowest and best bid and to accept or reject any or all bids based on that determination.
14. Questions per the above should be directed to:

District 1 Supervisor Chris Shoup – 662-224-5007

And/Or:

Chancery Clerk- Marlene McKenzie – 662-224-6300

Specifications on File in the Office of the Chancery Clerk:

P.O. Box 218

190 Ripley Avenue

Ashland, MS 38603

SPECIFICATION **For "RL" Rear Loader** ***Truck-mounted, 8 cubic yard rear loader body.***

The unit will be used in collection and loading of residential or commercial refuse. This specification describes a hydraulically actuated packer body of the rear loading type with the following minimum specifications necessary to perform the work assigned.

UNIT MUST BE MANUFACTURED IN AN ISO 9001:2000 CERTIFIED FACILITY.

The body shall conform to the latest ANSI Z245 specification as well as the Federal Motor Vehicle Safety Standard FMVSS-108 at the time of manufacture.

All bidders must fill in **all** information. If meeting or exceeding specifications put **YES**, and if exceptions are taken put **NO**. Any exceptions must be explained in writing. All proposals include delivery, training of operators and service personnel.

Yes/No Offered

CAPACITY

1. The minimum capacity of the body shall be 8 cubic yards exclusive of the hopper.

2. The minimum capacity of the hopper shall be 1.0 cubic yards without the use of a hopper loading sill extension.

3. The body shall be designed to allow high density compaction of up to 1000 lbs. per cubic yard of household refuse.

Yes/No Offered

BODY DIMENSIONS

1. The maximum overall width shall be 88 ¾ inches.

2. The maximum overall length shall be 186 inches.

3. The maximum height above the chassis frame shall be 70" inches.

4. The inside width of the body shall

be 74 inches at the widest point.

5. The inside height of the body shall be 56 inches at the highest point.

6. The minimum weight of the body and the tailgate (less special options) shall be 7,700 lbs.

Yes/No Offered

BODY CONSTRUCTION

1. The body shall have a smooth floor without a trough. No cylinders, valves or other hydraulic components shall be exposed to refuse packed into the body. Floors with trough or depression are not acceptable.

2. The body floor, sides and roof shall be designed and constructed to withstand maximum imposed force of residential refuse without structural damage or excessive wear.

3. The body sides shall be fabricated from 10 gauge hi-tensile steel and be of a curved one piece design.

4. The body roof shall be fabricated from 10 gauge hi-tensile steel and shall be of a curved design.

5. A 20" x 26" body side door shall be located on the drivers side. The door shall be held shut by a spring-loaded latch.

6. The body floor shall be fabricated from a single sheet of 7 gauge hi-tensile steel, with no depression or trough.

7. The body longitudinal shall be 8" tall fabricated from 3/16" hi-tensile steel.

8. The floor cross members shall be

tapered from the long sill outboard to the body side sheet.

9. The floor cross members shall be fabricated from 7 gauge hi-tensile steel.

Yes/No Offered

TAILGATE DIMENSIONS

1. The hopper opening shall be 66" wide and 48" high to permit unobstructed loading of the tailgate hopper.

2. The top of the loading sill shall be 2 inches above the top of chassis frame to facilitate easy loading.

3. The overall height above the chassis frame with tailgate raised shall be 118 inches.

4. The length of the tailgate shall be 53 1/2".

Yes/No Offered

TAILGATE CONSTRUCTION

1. The lower tailgate sides shall be fabricated from 3/16" thick abrasion and impact resistant steel w/ minimum hardness of 321 BHN.

2. The hopper floor and chute shall be fabricated from 1/4" abrasion and impact resistant steel w/ minimum hardness of 321 BHN.

3. The tailgate sides shall be reinforced with hi-tensile steel channels interlaced and fully welded to the side sheets.

4. The hopper and chute floor shall be reinforced with hi-tensile steel channels.

5. The tailgate shall be secured to the body with tailgate lock bars made of 3/4" hi-tensile steel. The tailgate locks shall operate automatically when the tailgate is moved.

6. The tailgate seal shall extend a minimum 14 inches up the body side.
7. Two grab handles shall be located on each side of the tailgate.
8. The rear steps shall be fabricated from open grip material with a minimum standing surface of 330 square inches per step. The steps shall comply with A.N.S.I. standards. Steps shall be of a bolt-on design

PACKING MECHANISM

1. The packing cycle shall be controlled by a two-lever control that allows the operator to start, stop and reverse the direction of any function at any point during the packing cycle.
2. The tailgate control valve shall be located within the tailgate. It shall be a sectional valve.
3. The packing mechanism shall consist of two primary components: the slide and the packer (sweep) blade

A. The packing mechanism shall be mounted on four wear shoe assemblies utilizing UHMW poly wear shoes. The shoe assemblies shall be replaceable without removing the slide assembly from the tailgate.

The packer and slide shall be attached by two 2 1/4" diameter AISI 4140 alloy steel pins. These pins shall also support the (2) lower wear block assemblies.

B. The slide face shall be constructed from 3/16" hi-tensile steel plate.

The packer blade shall be fabricated from hi-tensile steel plate, of varying thickness from 10 ga. to 1 1/2"

The face sheet shall be 3/16" high strength steel w/ minimum hardness of 235 BHN..

5. The slide and packer cylinders shall have hardened, chrome plated, 2" diameter rods. Each cylinder shall have replaceable heat treated bushings.

7. The compaction cycle shall interrupt above the hopper sill.

9. The packer blade (sweep) assembly shall be protected by a secondary relief valve that is integral to the tailgate mounted control valve.

EJECTION SYSTEM

1. The load shall be ejected by a double acting, telescopic hydraulic cylinder that shall extend and retract the ejector panel the full length of the body without the use of clamp bars or related hardware.

2. The ejector cylinder shall have replaceable heat treated bushings. The cylinder shall have the following dimensions:

Body size	Bore	Stroke	Stages
8 cu. yd.	4.5	69	2

3. The ejector panel shall have a 10 gauge hi-tensile steel face sheet that is reinforced by structural steel tubing and formed channels of high tensile steel.

4. The ejector panel shall be mounted on 2 high-density polyethylene wear shoes that shall be replaceable without removing the ejector panel from the body. Metallic type shoes are not acceptable.

5. The ejector panel shall be guided in the body by two guide tracks located on the body side 5" above the body floor. The tracks shall be 4" deep, fabricated from hi-tensile steel and fully welded to the body sides.

6. The ejector cylinder shall be mounted angularly to the body floor and not require a trough or depression in the floor.

Yes/No Offered

CONTROLS

1. The ejector and tailgate lift controls shall be mounted at the

[illegible]

Yes/No Offered

6. Hydraulic hoses are to have a 4:1 burst to working pressure safety factor.

7. The hydraulic oil reservoir shall have a minimum capacity of 30 gallons. The reservoir shall be equipped with filler, breather cap, sight glass, clean out cover, 100 mesh suction filter, magnetic tank drain plug and gate valve at the suction outlet. The hydraulic reservoir shall not be a structural member of the body or the mount for the ejector cylinder.

8. A 10 micron Inline Return line filter shall be located on the hydraulic tank and be equipped with a condition indicator.

9. A suction screen filter of 100 mesh (141 micron) shall strain all the oil leaving the tank. Suction filter shall be equipped with a 5 P.S.I. bypass valve.

10. All hydraulic valves shall be sectional that would allow replacement of defective sections without replacement of the entire valve.

11. All cylinders and valves shall have SAE O-ring boss ports.

12. Hydraulic system shall met an ISO cleanliness standard of 20/18/13

13. Manufacturer shall provide printed ISO hydraulic cleanliness record.

HYDRAULIC CYLINDERS

1. All cylinders shall have a working pressure rating of 3000 psi.

protected with its own fuse block.

6. All fuses shall be ATO type.

7. All limit switches shall be water proof to prevent damage from the elements and pressure washing.

8. All lighting shall comply with F.M.V.S.S. #108, with an additional set of two stop, tail and turn lights mounted above the hopper on a light bar.

9. Clearance, backup, stop and directional lights shall be rubber grommet mounted with sealed light housings, lexan lenses, vibration resistant filaments, and unitize sealed quick change connections.

10. A 112 Db backup alarm conforming to current standards must be provided. The alarm must also sound when the tailgate is open.

11. Conspicuity tape shall be applied per ANSI Z245 requirements.

PAINTING

1. All burrs and rough areas are to be ground smooth and all welds cleaned to remove slag.

2. Prior to application of any coating, all surfaces shall be thoroughly cleaned and conditioned with a phosphate solution.

3. The body shall then be coated with two (2) coats of a self etching epoxy primer.

4. Two finish coats of polyurethane enamel shall be applied to produce a high gloss finish.

Yes/No Offered

5. Body floor shall be undercoated with an automotive grade petroleum based undercoating for a durable, corrosion resistant finish.

CHASSIS SPECIFICATION - 19,500 GVWR CABOVER CHASSIS

- Engine- Turbo charged and intercooled, diesel 4 cycle, 4 cylinder, Inline water cooled; max output 210 hp @ 2500 rpm; max torque 440lb.ft @ 1500 rpm
Yes () No ()
- Exhaust Brake, Electric - pneumatic with valve and exhaust pipe. Yes () No ()
- Minimum 12 volt 130 Amp Alternator Yes () No ()
- Heater/ Defroster and Air Conditioning Yes () No ()
- 6 speed Automatic Transmission heavy duty with PTO provision Yes () No ()
- Electronically controlled throttle engine controller Yes () No ()
- 7,275 lb front axle this heavy duty shock absorbers Yes () No ()
- Minimum 13,500 lb rear axle Yes () No ()
- Hydraulic system with disc brakes, hydraulic assist with dual circuit. Yes () No ()
- Wheelbase 108" cab to axle Yes () No ()
- Front tow hooks Yes () No ()
- 33 gallon tank (side frame location) Yes () No ()
- Exterior heated mirrors Yes () No ()
- Heavy duty split bench seats Yes () No ()
- AM/FM radio Yes () No ()

- Must have a Dealer for parts/warranty/service within 125 miles Yes () No ()
- Must provide owner's manuals printed in American English with unit. Yes ()
No ()