Janet Leonard

From: Polly Medcalf
Sent: Monday, August 1, 2022 12:14 PM
To: office@kempercountymessenger.com
Cc: Sherline D.. Watkins; Janet Leonard; Lisa Stovall; Glenn Williams
Subject: 20 YD Rear Loading Garbage Body and Class 7 Chassis - Reverse Auction
Attachments: INVITATION TO SUBMIT REVERSE AUTION BIDS - 20 YD Rear Loading Garbage Body and Class 7 Chassis - Garbage Truck.docx; 20 YD Loading Garbage Body and Class 7 Chassis.pdf

Importance: High

Attached please find the news article for 20 YD Rear Loading Garbage Body and Class 7 Chassis that will need to be put in the Kemper Messenger to run for the following dates:

August 18, 2022
August 25, 2022

Please bill to Kemper County Board of Supervisors

Polly Medcalf
Kemper County Board of Supervisors
Comptroller
Office (601)-743-2002
Cell (601)-416-1603

INVITATION TO SUBMIT REVERSE AUCTION BIDS

The Kemper County Board of Supervisors will receive competitive Reverse Auction Bids to be submitted electronically via the Kemper County website https://bids.kempercounty.org/ from 8:00am to 3:00pm CST on September 2, 2022 for 20 YD Rear Loading Garbage Body and Class 7 Chassis as specified in the Garbage Truck Detailed Specifications. A physical copy for review of the Garbage Truck detailed specifications can be obtained at Kemper County Road & Bridge located at 656 Stennis Industrial Park Road, DeKalb, MS 39328 or by request via email to LStovall@co.kemper.ms.us or by calling 601-743-5941.

20 YD REAR LOADING GARBAGE BODY AND CLASS 7 CHASSIS

Kemper County, MS intends to purchase one (1) or more NEW 20 Cubic Yard Garbage truck(s).

A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. Original brochures of the proposed unit are to be submitted with the proposal-NO EXCEPTIONS.

The specification herein states the requirements of Kemper County. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. Any bid not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable the County to make a reasonable determination of compliance to the specification will be considered "non-responsive" and grounds for rejection.

Inspection Upon Delivery of the specified vehicles and equipment-Kemper County will conduct an in-depth initial visual examination solely for the purpose of identifying gross and obvious damage as well as equipment specifications. The bidding company representative shall be present for the initial examinations. If defects, omissions or any deviations from these specs are discovered during the inspection, the County will refuse acceptance of any/all units.

Any line item not meeting or exceeding the following specs that is marked "NO" automatically disqualifies any bid(s) from being deemed as acceptable for this bid.

BID SHEET
(PLACE THIS SHEET IN FRONT OF SPECIFICATIONS)

COMPANY SUBMITTING BID: _____

BODY MANUFACTURER: _____

BODY SHALL BE MADE IN MISSISSIPPI: YES_____ NO_____

BODY MANUFACTURER SHALL HAVE ON-SITE SERVICE:
YES _____ NO _____

DUE TO SERVICE ABILITY AND DOWNTIME, NO EXCEPTIONS.

DELIVERY: _____ (DAYS FROM RECEIPT OF PO)

BID HONORED FOR: _____ (DAYS)

LOCATION OF WARRANTY WORK THAT IS PERFORMED BY DEALERSHIP:

BODY: _____
DEALERSHIP NAME

_____
ADDRESS

_____
PHONE NUMBER

_____
CONTACT

CHASSIS: _____

_____
DEALERSHIP NAME

_____
ADDRESS

_____
PHONE NUMBER

_____
CONTACT

BIDDER INFORMATION:

NAME: _____
PRINT OR TYPE

ADDRESS: _____

_____

SIGNATURE: _____

TITLE: _____

PHONE: _____

EMAIL: _____

DATE: _____

KEMPER COUNTY BID SHEET

(PLACE THIS SHEET IN FRONT OF SPECIFICATIONS)

20 CUBIC YARD REAR LOADING BODYAND CHASSIS

COMPANY SUBMITTING BID

_____

BODY MANUFACTURER _____

CHASSIS MANUFACTURER _____

TOTAL UNIT PRICE $_____

DELIVERY _____(DAYS - from receipt of PO)

BID HONORED FOR _____(DAYS)

LOCATION OF WARRANTY WORK THAT IS PERFORMED BY DEALERSHIP

BODY: _____

CHASSIS: _____

.....

COMPANY: _____

NAME: _____

Print or Type

ADDRESS: _____

SIGNATURE: _____

TITLE: _____

PHONE: _____

DATE: _____

EMAIL: _____

STATE 3 YEAR BUYBACK OFFER FOR COMPLETE UNIT: $_____

20 Yard Rear Loading Refuse Collection Truck(s)

Mounted on Single Axle Chassis

Bid Specifications

SCOPE: It is the intent of this specification to describe a hydraulically actuated packer body of the rear loading type with the following specifications considered necessary to perform the work assigned. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulic ejection. The body shall not be required to be tilted, lifted, or otherwise displaced from the chassis in order to eject the load.

GENERAL: All equipment furnished under this contract shall be new and unused, and the same as the manufacturers current production model. Accessories not specifically mentioned, but necessary to furnish a complete unit ready for use shall also be included. The equipment furnished shall conform to all ANSI Safety Standards A245.1-1984.

BID SPECIFICATIONS
Bidder Shall Complete the Following
If No, State Specifically the Item being Offered

	YES	NO	OFFERED
A. CAPACITY			
1. The body shall have a minimum capacity excluding hopper of:			
20 Cubic Yards	____	____	_____
2. The body shall have a compaction rate of 1,000 pounds per cubic yard	____	____	_____
B. BODY DIMENSIONS			
1. Maximum overall width not to exceed 96".	____	____	_____
2. Maximum overall length and height (*with tailgate in locked position*) above the chassis frame not to exceed:			

Capacity	Length	Height	CA (cab to axle)	YES	NO	OFFERED
20 Cu./Yd.	244.5"	83"	138"	____	____	_____

State the Heigh of the Body Being Bid: _____

(Continued)

	YES	NO	OFFERED

3. Body weight (exclusive of options) shall not exceed:

Capacity	Weight			
20 Cu./Yd.	11,277 pounds	____	____	_____

C. BODY CONSTRUCTION

1. Body sides, roof shall be curve shell design without the need of side bracing. Continuous operation at maximum loads without harmful deformation or wear. ____ ____ _____

2. The roof shall be constructed of 10 gauge 80,000 PSI steel. ____ ____ _____

3. The body sides shall be constructed of 10 gauge, 100,000 PSI steel. ____ ____ _____

   State body side thickness: _____

4. Sides shall be braced along the bottom 3 1/2" x 12" from tailgate tapered to a point at the front of the body. Braces shall be interconnected with floor gussets and continuously welded. Rear portion of side brace shall connect to a 12" x 16" triangular gussets and all seams continuously welded for maximum strength. ____ ____ _____

5. The body floor shall incorporate a trough design *(flat floors not acceptable)*. NO EXCEPTIONS ____ ____ _____
   Does your body floor have a trough? Circle One- Yes or No

6. The body upper floor sides shall be 10 gauge 80,000 PSI steel. ____ ____ _____

7. The body floor center shall be 1/4" 150,000 PSI high tensile steel. ____ ____ _____

8. The Upper Body Floor shall be 1/4" as well. ____ ____ _____

9. The trough shall be constructed of two 8" channel sills to hold the ejection panel in line under the most extreme load conditions. ____ ____ _____

10. Hopper Floor Back is 3/8". ____ ____ _____

11. Side access door shall be located on the street side of the body sidewall. ____ ____ _____

	YES	NO	OFFERED
13. Side access door shall be equipped with a safety interlock to disengage PTO when door is open.	____	____	_____

D. TAILGATE DIMENSIONS

1. Hopper opening width shall not be less than 74".	____	____	_____
2. Hopper capacity of shall not be less than 3.0 cubic yards as calculated by WASTEC DWRP03 No. 1 method	____	____	_____
3. Hopper cycle time with the standard PTO and pump Shall be 20 seconds minimum.	____	____	_____

E. TAILGATE CONSTRUCTION

1. Tailgate sides shall be constructed of a minimum of 7 gauge high tensile sheet steel, and the upper sides shall be constructed of a minimum of 10 gauge 1/4" high tensile sheet steel	____	____	_____
2. Tailgate sides shall be reinforced by 1 3/4" x 4" bracing constructed of 7 gauge formed steel and fully welded in a horizontal position for maximum support.	____	____	_____
3. The slide panel guide track shall be constructed of 1/2" x 2 1/2" AR450 steel reinforced by formed 1/4" high tensile steel. *(Free floating design is not acceptable).*	____	____	_____
4. The tailgate shall be equipped with an automatic hydraulic locking system with a pilot check valve to ensure constant pressure for a tight seal.	____	____	_____
5. The tailgate shall be unlocked raised by two double acting cylinders equipped with clevis ends and restrictors to prevent precipitous tailgate decent in the event of a broken hydraulic line. (4" bore cylinder)	____	____	_____
6. The tailgate perimeter edge shall be reinforced by 2" x 2" structural tube steel.	____	____	_____

7. Tailgate shall be equipped with a chemically inert seal to provide a watertight seal. (24" high) ____ ____ _____

(Continued)

	YES	NO	OFFERED
8. Hopper floor shall remain stationary during the packing cycle and shall be equipped with a 2" drain plug.	____	____	_____
9. Hopper floor shall be a minimum of 1/4" high tensile sheet adequately braced to withstand maximum pressures imposed upon it. Hopper back 1/4" T-1 steel.	____	____	_____
10. The hopper load sill shall be constructed from a 3/8" plate and be even with the chassis frame height	____	____	_____
11. Self cleaning grip bolt on strut steps and grab handles shall be required on both sides of the tailgate.	____	____	_____
12. Auto locking tailgate (No turn buckles).	____	____	_____

F. PACKING MECHANISM CONSTRUCTION

1. The sweep panel shall be of the backhoe packing type, and designed to have a minimum clearance to thoroughly clean the hopper bottom during cycling.	____	____	_____
2. The sweep panel face plate shall be constructed of 1/4" high tensile sheet steel and shall be reinforced with (4) integral braces made from 1" steel plate.	____	____	_____
3. The sweep panel shall be powered by two 5" x 16" double acting cylinders equipped with bronze bushings.	____	____	_____
4. The slide panel face plate shall be constructed of 3/8"" high strength sheet steel.	____	____	_____
5. The slide panel shall be powered by two (4.5" bore x 43" stroke) double Acting cylinders.	____	____	_____

6. The linear slide movement of the panel shall be accomplished on two 4 1/2" x 2 1/4" x 24" high density UHMW guide bearing blocks. ____ ____ _____

7. The pivotal rotation of the sweep panel shall be accomplished through the sweep panel pivot which shall consist of two 3" diameter stress proof pivot pins with bronze bushings. ____ ____ _____

8. Both ends of the pivot shaft shall be equipped with bronze bushings. ____ ____ _____

(Continued)

	YES	NO	OFFERED

G. EJECTION PANEL CONSTRUCTION

1. Ejection blade shall form the front of the body and be hydraulically operated and designed to have a minimum clearance too thoroughly clean the body during cycling. ____ ____ _____

2. The load shall be discharged by means of a positive ejection system. A double acting, telescopic cylinder shall extend and retract the full length of the body. ____ ____ _____

3. The ejection panel face plate shall be constructed of 1/4" 7 gauge 100,000 PSI sheet steel and reinforced with trapezoidal cross members of high 3" x 3" and 4" x 4" structural tube. ____ ____ _____

3. The ejection panel shall slide in an 8" channel sill on four high density UHMW slide bearing blocks. ____ ____ _____

4. Ejection panel bearing blocks must be able to be replaced without removing ejection panel. ____ ____ _____

5. The telescopic cylinder shall be horizontally positioned & consist of the following dimensional characteristics:

Capacity	Stage	Bore			
f. 20 Cu./Yd.	4 Stage	6.5"	____	____	_____

State the bore size of the Ejection Cylinder: _____

7. No clamping cylinder or clamping mechanism shall be required. ____ ____ _____

H. CONTROLS

1. The ejector panel and tailgate raise control shall be mounted inside the front left hand side of the body. Controls are accessed through opening located in access door. Controls will not come into contact with any refuse and are protected from outside elements. _____ _____ _____

2. An electrical device shall be supplied to automatically raise the engine speed to the proper RPM during the packing cycle. _____ _____ _____

3. An additional throttle advance switch shall be mounted at the front left hand side of the body near the tailgate raise control handle and at the rear right hand side near the packing blade control._____ _____ _____

4. A Back Pack Valve shall be required to automatically advance the ejector panel when packing against it. _____ _____ _____

(Continued)

	YES	NO	OFFERED
5. The packing panel control shall be designed to accomplish the normal packing cycle in two steps and shall be reversible or stopped at any time during the cycle.	_____	_____	_____
6. The packing panel control shall be a two handle design and located at the rear of the tailgate on the curbside.	_____	_____	_____

I. HYDRAULIC SYSTEM

1. A power takeoff/pump combination shall be used to power the hydraulic system.	_____	_____	_____
2. All hydraulic valve shall be mechanically operated and use direct link controls.	_____	_____	_____
3. The hydraulic pump shall provide a delivery of 29 GPM at 1400 to 1500 RPM min.	_____	_____	_____
4. Normal maximum operating pressures shall not exceed 2000 PSI.	_____	_____	_____
5. The hydraulic system shall incorporate a relief valve and a hydraulic pressure gauge to protect all components from excess pressures.	_____	_____	_____
6. All hydraulic hoses shall conform to S.A.E. Standards. No flat spots in hoses will be acceptable.	_____	_____	_____

7. Hydraulic tank shall not be less than 50 gallons and must be equipped with a sight and temperature gauge. The tank shall be located inside the body. ____ ____ _____

8. A replaceable 10 micron absolute in tank immersed filter with by-pass valve and visual indicator shall be furnished in the return line of the hydraulic system. ____ ____ _____

9. A shut-off valve shall be mounted on the suction line near the oil tank. ____ ____ _____

10. All cylinder rods shall be chrome plated. ____ ____ _____

11. Sweep and slide cylinder rods induction hardened. ____ ____ _____

J. ELECTRICAL

1. All body wiring shall be color coded and hot stamped every 4" in factory harness with sealed connectors. ____ ____ _____

(Continued)

	YES	NO	OFFERED
2. Body to chassis wiring shall be in sealed junction box at front of body with sealed connectors.			
3. The body shall be equipped with approved LED clearance, warning, tail, license, stop and turn signals in compliance with the national safety standards.			
4. The body shall be equipped with an external audio back up alarm activated when the chassis is in reverse.			
5. Driver alert buzzer and safety stop shall be installed at the rear of the tailgate located by the packing controls.			
6. A light shall illuminate in the cab when the tailgate is open and an audible alarm will sound when the vehicle is placed in reverse while the tailgate is open.			
7. It shall include a rear 7" Safety Vision camera,			

K. PAINT

1. The body shall be properly cleaned of all dirt, oil, and welding slag.

Gray DuPont Epoxy primer with rust inhibitors shall be applied. ____ ____ _____

2. DuPont Imron 5000 paint shall be applied. ____ ____ _____

3. Body shall be primed on the inside. NO EXCEPTIONS ____ ____ _____

Specify paint color: WHITE TO MATCH CAB

L. MOUNTING

1. Body shall be mounted in accordance to industry standards. No welding shall be performed on the chassis frame in the mounting process. ____ ____ _____

M. SAFETY

1. Access door to body to be equipped with an interlock switch to disable the hydraulic system when the door is open. ____ ____ _____

	YES	NO	OFFERED
2. Safety Shut Down switch to be provided on both the curb and street side of the tailgate.	____	____	_____
3. Driver alert switch to be provided at the right rear of the truck on both street and curbside.	____	____	_____
4. 20 lb. Fire extinguisher mounted on body or truck frame.	____	____	_____
5. Triangle reflector kit located in cab.	____	____	_____

N. WARRANTY

1. Manufacturer's limited warranty shall apply for a period of one year for body and 3 years for cylinders after date of acceptance of the unit. ____ ____ _____

O. ADDITIONAL INCLUDED EQUIPMENT

1. **Strobe Light** A strobe light shall be mounted on the upper half (offset street-side of the tailgate).The light shall be activated by a switch located inside the cab of the chassis. ____ ____ _____

2. Hopper Lights- Two LED Lights shall be mounted on the upper half of the tailgate. The lights shall be capable of illuminating the hopper of the tailgate. The lights will be activated by a switch in the cab of the chassis. ____ ____ _____

4. Strobe Light Package (Integrated Strobe System) (2) round lights mounted upper tailgate. ____ ____ _____

5. Strobe Light Package (Integrated Strobe System) (2) round lights mounted lower tailgate. ____ ____ _____

6. Strobe Light Package (Integrated Strobe System) (2) round lights mounted upper front bulkhead. ____ ____ _____

7. LED Mid Body Back-up Lights (2). ____ ____ _____

8. Shall include a Hopper Floor Back Extension to limit fall back into Hopper. ____ ____ _____

9. Full Body Weld Inside of Body vs. Stitched ____ ____ _____

10. Shall be equipped with In Cab Air Controls for Tailgate and Eject. ____ ____ _____

11. Electronic Filter By-Pass Indicator in Cab. ____ ____ _____

CHASSIS

	YES	NO	OFFERED
2023 Year Model Chassis	____	____	_____
Set back axle	____	____	_____
Conventional cab	____	____	_____
300 HP Engine	____	____	_____
Exhaust/ Engine Brake	____	____	_____
DR12V 160 AMP 28-SI Quadra mount PAD Alternator with remote battery volt sense or equal	____	____	_____
Min. 2 maintenance free stud batteries	____	____	_____
18.7 CFM air compressor	____	____	_____
Allison 3000 RDS with PTO provision	____	____	_____
Minimum 10,000 lb front axle	____	____	_____
Meritor 16.5X5 front brakes	____	____	_____
23,000 lb rear axle	____	____	_____
5.63 rear axle ratio (subject to change)	____	____	_____
Meritor 16.5X7 cam rear brakes	____	____	_____
30,000 lb flat leaf spring rear suspension	____	____	_____
Air brake package	____	____	_____
Wabsco 4S/4M ABS or equal	____	____	_____
Air dryer	____	____	_____
207-inch wheelbase (subject to change based on body requirements)	____	____	_____
138" CA	____	____	_____
Minimum 70-gallon Diesel Fuel Tank	____	____	_____

Air cab mounts	____	____	_____
Air horn electric	____	____	_____
Dual west coast heated mirrors	____	____	_____
Door mounted heated mirrors	____	____	_____
Heavy-duty air compressor	____	____	_____
High back air driver seat with arm rest	____	____	_____
2-man toolbox passenger seat	____	____	_____
Electric cruise control	____	____	_____
AM/FM Radio	____	____	_____
Engine Block Heater w/ plug in by driver's side door	____	____	_____
3 year/ 150,000-mile engine warranty	____	____	_____
3 year/ 150,000 miles after treatment warranty	____	____	_____
3 year/ Unlimited mile transmission warranty	____	____	_____
3 year/Engine towing warranty	____	____	_____

Chassis and body manufacturer are responsible for working together on the compatibility of the chassis and the body to make sure the complete unit is good functioning order.