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## NOTICE TO CANDIDATES

### CITY OF PICAYUNE

#### PEARL RIVER COUNTY, MISSISSIPPI

The City of Picayune is purchasing one truck mounted, self-loader w/ trash body. Specification submittals presented herein will be received until 2:00 PM on Wednesday, January 25, 2023, and then opened and read at Picayune City Hall, 203 Goodyear Boulevard, Picayune, MS 39466.

Candidacy for Reverse Auction invitation will be determined by compliance w/ the specifications posted @ [www.centralbidding.com](http://www.centralbidding.com).

For any questions relating to the specification submittal, please call 225-810-4814.

Additional information and assistance regarding this bid opportunity, can be obtained from the MS Procurement Technical Assistance Program, and local contract procurement center at [www.mspsc.com](http://www.mspsc.com)

By: City of Picayune, MS

Advertise on:

Saturday, January 7, 2023

Saturday, January 14, 2023

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# BID SPECIFICATIONS

## Set Forward Single Axle Chassis

### 2024 YEAR MODEL

	YES	NO	OFFERED
<b>WHEEL BASE / FRAME</b>			
Class 8 Chassis	<input type="text"/>	<input type="text"/>	<input type="text"/>
2024 Year Model Specs	<input type="text"/>	<input type="text"/>	<input type="text"/>
clear frame rails BOC to rear suspension, both rails	<input type="text"/>	<input type="text"/>	<input type="text"/>
FRAME: 8.0 X 82.0 X 281.00 MM	<input type="text"/>	<input type="text"/>	<input type="text"/>
STEEL FRAME RAILS MINIMUM	<input type="text"/>	<input type="text"/>	<input type="text"/>
BUMPER: CHROME BUMPER W/ TOW HOOKS	<input type="text"/>	<input type="text"/>	<input type="text"/>
air ride cab	<input type="text"/>	<input type="text"/>	<input type="text"/>
188 inch CA with a 70 inch AF. Or body builder specs	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ENGINE</b>			
MIN 330 HP, 1000 LB/FT TORQUE - 9 Liter minimum	<input type="text"/>	<input type="text"/>	<input type="text"/>
EXHAUST: horizontal tailpipe	<input type="text"/>	<input type="text"/>	<input type="text"/>
RADIATOR: MINIMUM 1400 SQUARE INCH	<input type="text"/>	<input type="text"/>	<input type="text"/>
ALTERNATOR: 12 VOLT 160 AMP	<input type="text"/>	<input type="text"/>	<input type="text"/>
BATTERIES: 2 MINIMUM 2000 CCA	<input type="text"/>	<input type="text"/>	<input type="text"/>
frame mounted	<input type="text"/>	<input type="text"/>	<input type="text"/>
Positive Load Disconnect in cab	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>TRANSMISSION / Tires</b>			
TRANSMISSION: Allison 3000 RDS Automatic	<input type="text"/>	<input type="text"/>	<input type="text"/>
with PTO Provision	<input type="text"/>	<input type="text"/>	<input type="text"/>
Block Heater 115 volt	<input type="text"/>	<input type="text"/>	<input type="text"/>
11R22.5 Front Tires 14 ply	<input type="text"/>	<input type="text"/>	<input type="text"/>

Power Windows	<input type="text"/>	<input type="text"/>	_____
Power Locks	<input type="text"/>	<input type="text"/>	_____
C-Bar mirrors, heated with LH and RH remote	<input type="text"/>	<input type="text"/>	_____
SPOT MIRRORS: 8" CONVEX MIRRORS LH & RH MOUNTED BELOW PRIMARY MIRRORS	<input type="text"/>	<input type="text"/>	_____ _____
Air Horn	<input type="text"/>	<input type="text"/>	_____

**FUEL TANKS**

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LH 60 GAL ALUMINUM FUEL TANK	<input type="text"/>	<input type="text"/>	_____
DEF TANK: 8 GAL LEFT SIDE MOUNT	<input type="text"/>	<input type="text"/>	_____

**PAINT**

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CAB: WHITE BASE/CLEAR	<input type="text"/>	<input type="text"/>	_____
CHASSIS: BLACK	<input type="text"/>	<input type="text"/>	_____

**WARRANTY/Service**

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2 Year Engine Warranty	<input type="text"/>	<input type="text"/>	_____
3 year transmission warranty	<input type="text"/>	<input type="text"/>	_____
State Delivery time as this can be used to determine the best bid.	<input type="text"/>	<input type="text"/>	_____

## SPECIFICATIONS

### "KBF-20H-HJ" Series Loader (Tandem Pump)

("H" style outriggers, hydraulic joystick controls)

Truck mounted Knuckle Boom Loader with Trash Body

("KB" series body size; "TKB" - 1820, 1824, 1828, 1925, 2026, 2030)

The unit will be used in collection and loading of bulk trash, limbs, leaves, building materials, and white goods, or other materials of that nature. Unit must be manufactured in an ISO 9001 certified facility. 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.

	LOADER SPECIFICATIONS	VENDOR RESPONSE		
		YES	NO	EXCEPTIONS / COMMENTS
1	<b>Boom</b>			
1.01	Boom length to be 16 ft. with 4 ft. telescoping section to 20 ft.			
1.02	Minimum lift capacity to be 3,300 lbs. at 20 ft, including grapple.			
1.03	Boom pedestal to be constructed of high strength steel, providing a 3:1 safety factor.			
1.04	All hydraulic hoses located at the operator position (Boom Pedestal) must be enclosed in the pedestal base. Access provided by an easily removable steel cover.			

1.05	Boom pivot shall be mounted to the pedestal by means of a slewing ring\bearing that has a minimum capacity of 513,000 lbs. static load and 186,000 Ft-Lbs. moment. Slewing ring shall be 3 1/2" thick and have an O.D. of 25 3/4". Boom pivot shall be constructed with a 9" O.D. safety retaining tube. The Boom Pivot Safety Retaining Tube shall be a minimum of 12" long and confine all hoses which pass through the pedestal/boom pivot assembly.			
1.06	Boom rotation of 270 degrees maximum with mechanical stops for safety. Pedestal stop must have a minimum of three (3) square inches and have a nylon contact with pivot stops.			
1.07	Boom rotation shall be accomplished by a direct hydraulic swing drive through a slewing (bearing) ring& planetary gearbox capable of producing 250,000 inch-pounds torque minimum.			
1.08	Hydraulically operated rotary swing brake integrated into the motor/gearbox assembly, capable of resisting 180,000 inch-pounds of torque at the rack/pinion gears at the top of the pedestal.			
1.09	Entire boom assembly shall be designed with a tensile strength to provide a safety factor of 3 to 1 at the rated load capacity.			
1.1	Main boom shall be constructed of (2) 4"x 8" high strength steel tubing.			
1.11	Tip boom shall be constructed from a 5" x 7" high strength steel tube.			

1.12	Tip boom shall have a 4 foot telescopic extension tip section constructed from 4"x 6" high strength steel tube.			
1.13	Main boom shall be equipped with mechanical stops to prohibit hydraulic cylinders from bottoming out. Extend boom stops must be easily accessible and removable for service.			
1.14	Boom pedestal to be mounted directly to the chassis frame rails. Mounting must include inside frame rail supports at the mounting points.			
1.15	The entire boom must be serviceable down to the component level, e.g., every hydraulic hose, fluid tubes, bracket, pin, etc. Having to replace subassemblies in order to repair a component will not be acceptable.			
1.16	Telescopic tip extension shall be equipped with replaceable nylon bearings on all 3 sides with roller on bottom. Bearings must be easily accessible for replacement and have "auto-hose-slack" take-up.			
1.17	All boom connections requiring pins shall be equipped with replaceable bushings and heat-treated pins.			
1.18	All operating functions shall be hydraulically controlled from the operator station located both on the left and right hand side of the loader.			
1.19	Two stage tandem pump allows for multiple function control of the loader.			

1.2	Boom functions controlled by means of hydraulic joysticks located on both sides of the loader (two per side, three functions per joystick).			
1.21	A safety feature shall be provided to allow only one side of controls to function at a time. Joysticks shall function only from one side at a time. Joysticks shall not require any lubrication thereby eliminating any frequent maintenance.			
1.22	Outriggers controlled by individual levers located conveniently in the center of the operator's platform. Body dumping is controlled by a single lever at the center of the operator's platform separate from any other control. Proper enclosures shall be provided to protect operator from hydraulic fluid and components. All controls shall be clearly identified as to function.			
1.23	Main boom and tip boom cylinders must incorporate integral holding valves. Externally mounted holding valves are not acceptable. The tip boom cylinder provides hydraulic cushioning/deceleration when fully stroking in either direction to reduce the mechanical impact on the boom structure.			
1.24	Boom-Up Sensor/Alarm – as per ANSI Z245 1-2017, a visual and/or audible warning signal shall be provided in the cab to indicate when the boom is extended above the overhead clearance requirement or create a hazardous driving condition during transit.			
2	<b>Trash Grapple / Bucket</b>			
2.01	Bucket shall have a 360 degree continuous rotating grapple with a replaceable hydraulic swivel. Swivel shall not be welded or be an integral part of the grapple.			

2.02	Bucket is to be opened and closed by (2) hydraulic cylinders with a closing force "bite" of 3,600 lbs.			
2.03	Bucket is to be 4' long and capable of opening to 60 inches from lip to lip.			
2.04	Bucket shall be fabricated with a bolt on replaceable H.S.H.C. steel cutting edge.			
2.05	Bucket cylinders and hoses shall be enclosed by a removable steel cover.			
3	<b>Hydraulics</b>			
3.01	Reservoir shall be a minimum of 45 gallons. It shall have a dual level/oil temperature gauge on side of tank. An in-tank suction strainer is included.			
3.02	Filter shall be a 10-micron, return line replaceable filter mounted on inside of reservoir.			
3.03	Cut-off valves are to be provided for suction line only.			
3.04	Main boom, tip boom and outrigger hydraulic cylinders shall contain pilot operated check valves as an integral part of each cylinder to prevent boom movement in the event of hydraulic hose failure. Bolt on pilot operated check valves will not be permissible.			
3.05	All hoses shall be rated at 4,000 PSI working pressure.			



3.06	Port tubing through the main boom shall be zinc plated.			
3.07	Control valves shall have a 20 gpm rating.			
3.08	Hydraulic oil cooler shall be installed to prevent overheating of the hydraulic system.			
3.09	Successful bidder must provide a computer printout at time of delivery showing particle testing of the hydraulic oil done just prior to the unit being shipped in order to illustrate cleanliness of Hydraulic System.			
4	<b>Power Source</b>			
4.01	Unit to be mounted on any chassis that meets the manufactures recommended specification with a heavy – duty clutch style (Hot Shift) PTO and a heavy – duty bi-rotational tandem hydraulic pump.			
5	<b>Throttle Control</b>			
5.01	Unit to have an electric operated throttle control to maintain proper engine speed when loader is operated under load. Switch for throttle control to be mounted on operator's platform for operator's convenience.			
5.02	Throttle speed-up shall operate only when the transmission in the neutral position.			
6	<b>Outriggers</b>			
6.01	Outriggers shall be extendable to a distance that will resist loads equal to 85% of the tipping moment under maximum rated load.			

6.02	The outriggers are to be equipped with smooth pads to cause minimum damage to contacted surface.			
6.03	Outriggers shall telescope horizontally in and out; and vertically up and down and operate independently by means of individual controls.			
6.04	Outrigger cylinders for stabilizing loader shall be mounted inside telescoping legs.			
6.05	Outriggers shall retract to within the maximum highway width and will extend to a maximum width to resist the design load moment.			
6.06	Outriggers cylinders shall contain holding valves on extend and retract functions to prevent outrigger leak down.			
7	<b>Lights and Reflectors</b>			
7.01	Shall conform to current state and federal standards.			
8	<b>Paint</b>			
8.01	Loader shall receive (1) coat of high- grade primer and (2) coats of high-grade enamel paint (manufacturer's standard colors).			
9	<b>Warranty</b>			
9.01	Bidder must provide all warranties required below. Failure to provide such warranties may result in your bid being deemed non-responsive.			

9.02	Entire unit to have a 1 year parts and labor warranty, a 3 year warranty on gear box and slewing ring, and a 3 year structural warranty.			
10	<b>Delivery</b>			
10.01	Indicate number of days the product shall be delivered after the receipt of chassis at manufacture's facility.			