

**AUTHORITY TO ADVERTISE
USDA RURAL DEVELOPMENT COMMUNITY FACILITIES GRANT
DISTRICT # 4**

Chad Bridges made a motion, seconded by **Columbus Hankins** to approve the following advertisement:

"PUBLIC NOTICE TO EQUIPMENT DEALERS"

The Grenada County Board of Supervisors will receive and open bids for **One or more New Backhoe Loader for Grenada County District # 4**, at 10:00 A.M. September 5, 2017 in the Board Room in the Grenada County Courthouse as follows: specifications or equivalent.

Bidder's Instructions for the purchase of One or more New Equal Size Class Backhoe Loader for use in Grenada County.

The conditions and specifications listed are not intended to prohibit qualified vendors from submitting a bid on an equal or larger in size class model. The specifications related to operating weight and net flywheel horsepower describe a minimum acceptable size class to meet Grenada County requirements. A bidder shall include an attachment "Exceptions to Bid Conditions & Specifications" sheet listing any variations or exception to the conditions or technical (non size class) or operation feature specifications for the machine model offered. Bidders will be responsible for establishing equality and offering only its manufacturer's model that is equal to or larger in size class. Each non-size class exception must be listed on separate page titled Exceptions and will be evaluated and accepted or declined individually. Grenada County may refer to a manufacturer's internet site to confirm that the model being bid is the correct model that meets our minimum Horsepower and Operating weight requirements.

Specification for the Backhoe Loader may be obtained from:

Grenada Co. Chancery Clerk
59 Green Street Suite #1
Grenada MS 38901
662) 226-1821
jhayward@grenadacountymms.org

Purchases will be made from the best bidder. In determining the best bid, Grenada County may take into consideration documented auction resale value, local parts/service support, warranty, prior experience with make and dealer and any other relevant information when making this determination.

The Bidder shall satisfy Grenada County that he maintains a store within **100 miles** of the working location of the machine and staffed with factory trained service technicians and parts support. Successful Bidder must have provisions for storing and securing parts including from the manufacturer within a reasonable length of time.

Each bidder will state the manufacturer's standard comprehensive warranty. Additionally, each bidder will include a minimum Three-year or 3000-hour powertrain plus Hydraulic warranty in purchase price. **Bidders are required to provide a copy of Standard and Extended Warranty Statements showing coverage required. Warranty may be a consideration in determining the best bid.**

Prices shall include all delivery charges fully prepaid to Grenada County. Bidder must guarantee maximum delivery date in days. Delivery date may be one consideration in determining the final best bid.

Grenada County reserves the right to reject any and all bids and exceptions taken to minimum specifications.

MINUTES OF THE AUGUST 7, 2017 MEETING OF THE
GRENADA COUNTY BOARD OF SUPERVISORS

Grenada County will seek outside financing from all sources after bids are received. Machine Bidders shall state cash price to Grenada County and include contact information for its manufactures financing arm that offers municipal government terms

*Sealed Bids should be marked **One or more New Backhoe Loader for Grenada County District # 4, Bid Opening 10:00 A.M. September 5, 2017** and contain all required bid information.

Bids may be withdrawn upon written notice received from the bidder prior to the time and date designated for the opening.

Bidder shall comply with all applicable bidding requirement of the Mississippi code of 1972, as amended.

BIDS MUST BE SIGNED.

This the 7th day of August, 2107
GRENADA COUNTY BOARD OF SUPERVISORS

/s/ Darrell Robinson

Darrell Robinson
President

Publish: August 11, 2017
August 15, 2017

A vote was called for with the following results:

Michael Lott	Yea
Chad Bridges	Yea
Christopher C. Hankins	Yea
Darrell Robinson	Yea
Chad Gray	Yea

The motion carried.

Cc: Grant Folder
Bookkeeping
GrenadaStar
MS Procurement

BACKHOE LOADERS

BASIC SPECIFICATIONS

Y___ N___

Backhoe shall have a minimum digging depth of 14'4" with standard stick and 17' 11" with extendible stick.

Y___ N___

Equipped with ROPS cab with heater and air conditioner

Y___ N___

Equipped with four wheel drive (4WD)

Y___ N___

Equipped with multi-purpose loader bucket (4 in 1) loader bucket

Y___ N___

AM/FM CD player radio with blue tooth

Y___ N___

Machine to be equipped with an economy control function for maximum fuel efficiency

Y___ N___

Backhoe to be equipped with a hydraulic thumb and tine

Y___ N___

Operating weight including Cab, air conditioner, 4WD, E-Stick, Multi-Purpose loader bucket, counterweight, Ride control minimum shall be 21,000 pounds.

ENGINE

Y___ N___

Engine must comply with U.S. EPA Tier 4 Final / EU Stage IV off road emission requirements.

Y___ N___

Machine shall utilize Selective Catalytic Reduction (SCR)

Y___ N___

Engine shall have an economy mode to help maximize fuel efficiency, while maintaining backhoe performance

Y___ N___

Turbocharged engine net peak flywheel horsepower shall be at least 105 HP @ 1800 RPM according to SAE J1349.

Y___ N___

Units shall be equipped with a turbocharged, four cylinder, direct injection diesel engine built by the manufacture

Y___ N___

Engine shall be equipped with electric fuel priming pump.

Y___ N___

Engine shall have a water/sediment bowl with water separator service indicator light.

Y___ N___

The engine shall have an internally mounted, dry-type, perimeter seal air cleaner with an integral precleaner, automatic dust ejection system, and filter condition indicator.

Y___ N___

Engine cooling fan shall have a heavy-duty guard that fully prevents human contact while in operation.

Y___ N___

Radiator shall have a heavy-duty guard to resist continued impact at low speeds.

Y___ N___

Engine shall be equipped with an alternator that has a charging capacity of minimum 150 amperes.

Y___ N___

Engine shall be equipped with a 12-volt direct-electric starting and charging system.

Y___ N___

Machine shall be equipped with a battery disconnect switch

Y___ N___

Engine air filter shall have a pre-cleaner and a dust ejector.

Y___ N___

Engine shall have variable-speed, hand and foot governor controls.

Y___ N___

Machine shall have Automatic Engine Speed Control that reduces engine speed when the backhoe is not in use. This will conserve fuel and lower emission noise

POWERTRAIN/TRANSMISSION

Y___ N___

Transmission shall have an electric, neutral lock switch to prevent driveline engagement

Y___ N___

Transmission, differentials, and hydraulics shall have separate fluid reservoirs.

Y___ N___

4WD shall be pendulum mounted, grease-free with sealed for life kingpins, able to be engaged "on-the-go" while under load or any operating condition.

Y___ N___

4WD shall be engaged at anytime by activating switch on front console. An operator shall be able to activate the switch while the machine is moving or stopped, also with or without a load

Y___ N___

4WD guard shall provide full coverage between the frame rails to protect the front drive shaft.

Y___ N___

Unit shall be able to change direction and travel speed on-the-go.

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Units shall be equipped with a transmission disconnect button on the gear shifter and loader control to allow full engine power to the loader.

Transmission shall be made, serviced and supported by the machine manufacturer.

Differential lock shall be included.

Unit shall have a high gear speed of no less than 25 mph.

Unit shall have 4 forward gears, 4 reverse gears, and a fully synchronized Power-Shuttle transmission coupled with electro-hydraulically shifted forward and reverse shuttle clutches.

Planetary Drive shall have four reduction (sun gears) in the front drive.

STEERING

Y___ N___

Y___ N___

Y___ N___

Oscillation shall be no less than 11 degrees each side direction from centerline.

Machine shall have hydrostatic steering.

Standard variable speed steering for quicker turning

BRAKES

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Brake mode selector switch shall have a 3 position switch allowing 2WD, 2WD travel with 4WD braking and full time four wheel drive.

Two wheel drive with four wheel braking must be available at all speeds and when the machine is in any gear.

Parking/secondary brakes shall be independent of the service brake system, allow operator complete control for a modulated stop, and shall be mechanically applied and adjusted from the cab without the need for tools.

Service brakes shall be hydraulically boosted for low pedal efforts.

Service brakes shall be completely enclosed and sealed.

Brakes shall be outboard oil-immersed, hydraulically actuated, multiple discs on final drive input drive shaft.

Service brakes shall be fully self-adjusting.

HYDRAULIC SYSTEM

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Y___ N___

Hydraulic system shall include high-pressure hoses consisting of 4 layers of overlapping insulated spiral wire matrix.

Machine shall be able to reach maximum lift capacity at any engine speed.

Maximum hydraulic pump pressure shall be at least 3,600 psi for the backhoe and at least 3,600 psi for the loader

Hydraulic pump shall be rated at 43 gpm.

Machine shall have an electronically controlled variable displacement load sensing, axial piston pump for low idle lifting and maximum durability.

Closed-center implement valves shall be included.

Unit shall contain flow sharing valves to allow for machine multifunction

Hose fitting shall have O-ring face seal connections for maximum seal reliability.

Backhoe hydraulic lines shall be fastened and constrained from hanging low within the chassis, preventing hoses from damage.

AXLES

Y___ N___

Y___ N___

Y___ N___

Front axle shall be pendulum mounted, permanently sealed and lubricated

Rear axle shall have differential lock with "on-the-go" engagement.

The final drives shall be heavy-duty outboard planetary type, distributin loads over three gears sealed in separate oil compartments for long-life and minimum service

Y____ N____

Heavy-duty rear axle shall be semi-floating with self-adjusting inboard brakes.

WHEELS/TIRES

Y____ N____

Four Wheel Drive 4WD

Y____ N____

All valve stems to be protected by metal valve stem covers

Y____ N____

Front tires shall ride inside loader bucket cutting width.

OPERATORS STATION

Y____ N____

OSHA approved ROPS/FOPS shall be integral with cab.

Y____ N____

Operator shall have complete control to disable, or lock, the backhoe Pilot Controls.

Y____ N____

The backhoe Pilot Controls locking switch shall always indicate the correct state of the controls, "locked" or "unlocked," and be lighted when "locked".

Y____ N____

Pilot Controls for the backhoe shall be adjustable fore/aft, side to side and actuated by a foot control

Y____ N____

Machine shall come with horn, audible back up alarm and electric fuel system shut off.

Y____ N____

The governor pedal shall be hinged and mounted to the floor for maximum pedal positioning control.

Y____ N____

Engine RPM shall also be controlled by electronic rotary dial

Y____ N____

Instruments shall include a premium gauge cluster consisting of LCD Information screen and LCD warnings. LDC warns shall include; Engine Oil Pressure, Machine Locked, Service Due, Air Filter Blocked, High Coolant Temperature, Auto Idle Shutdown, High Torque Converter Temperature and Hydraulic Filter Bypass

Y____ N____

Unit shall have a lighted instrument panel in the cab so that it is visible from both loader and backhoe operating positions. Indicator lights to include, Water in Fuel, Remote dial throttle active, engine warning, warning lamp, emissions module malfunction, AESC active, Regen Inhibited, Low battery/charging system warning, high hydraulic oil temperature, Wait to start and Eco Mode Active

Y____ N____

Unit shall include four front and four rear working lights.

Y____ N____

Machine shall have stop and turn signals with flashing hazard lamps visible from front and rear.

Y____ N____

Electric auxiliary socket shall be available on roof for connection to items such as a rotating beacon.

Y____ N____

Roof cab shall have three magnetic beacon locations.

Y____ N____

Operator's compartment shall come equipped with a air suspension seat that can be adjusted in the fore/aft position and has a lever that controls the release for rotation at 180 degree swivel from anywhere on a sliding track mechanism.

Y____ N____

Equipped with the standard steering wheel, the seat shall be able to swivel 180 degrees in a single motion without contacting the steering wheel or pilot control pods.

Y____ N____

Equipped with both right and left doors with doors and windows closed, machine operating at maximum governed speed unit shall have a maximum operator sound exposure Leq of 79 dB(A) according to SAE J1166.

Y____ N____

Stabilizer controls shall be conveniently located.

Y____ N____

Tilt and telescoping steering wheel shall be included for additional operator comfort

Y____ N____

Cab shall have an air conditioner that provides the operator with a choice of fresh outside air drawn through filters or recirculating cab air with HVAC recirculation selector

Y____ N____

Deluxe fabric seat with air suspension

Y____ N____

Cab shall be equipped with two doors and opening windows and floor mat.

Y____ N____

Cab shall include factory-installed heater/defroster with multiple speed blower with the control in reach from the front and rear of the machine.

Y____ N____

All rear window sections shall stow overhead, inside the cab for maximum visibility, ventilation and operator comfort.

Y___ N___

All rear window sections shall open upwards and store overhead with outside portion facing upwards to keep water droplets and dirt from falling on operator.

Y___ N___

Equipped with front and rear windshield wipers/washers shall be included.

BACKHOE

Y___ N___

Backhoe shall be center-pivot type complete with hydraulic stabilizers.

Y___ N___

Backhoe shall come standard with a curved boom for its ability to work in confined areas and to reach over obstacles.

Y___ N___

Per SAE standards, rated bucket digging force shall be a minimum of 14,200 lb with an extendible stick.

Y___ N___

Per SAE standards, stick-digging force shall be a minimum of 9,750 lb with a fully retracted extendible stick.

Y___ N___

Backhoe bucket shall have a minimum of 205 degrees of bucket rotation in a single pin position.

Y___ N___

Backhoe shall have a minimum cushioned swing arc of 180 degrees.

Y___ N___

Per SAE J31, backhoe stick lifting ability at 8 ft shall be no less than 5490 lb with a fully retracted extendible stick.

Y___ N___

Per SAE J31, backhoe boom lifting at 8 feet shall be no less than 3240 lbs with a fully retracted extendible stick.

Y___ N___

Extendible stick shall be included.

Y___ N___

Extendible stick shall be field adjusted in less than 30 minutes to eliminate excessive clearance, using simple hand tools

Y___ N___

All sticks shall have serrated edges, to help clamp objects securely with bucket.

Y___ N___

Extendible stick shall be self-lubricating, adjusted with shims, and require no grease.

Y___ N___

Boom cylinder shall be exterior mounted for serviceability.

Y___ N___

Stick cylinder shall be exterior mounted for serviceability.

Y___ N___

Boom and stick shall be weld repairable.

Y___ N___

Backhoe shall be equipped with a swing transport lock.

Y___ N___

Backhoe shall be equipped with a boom lock that can be controlled from the seat.

Y___ N___

Pattern changer shall be available for switching Backhoe and Excavator control patterns with an electric switch, located within the operator's station

Y___ N___

Backhoe controls shall be available as pilot operated joystick controls with a standard pattern changer for SAE excavator or ISO backhoe control patterns.

Y___ N___

Backhoe shall be controlled with adjustable excavator style pilot operated joystick controls.

Y___ N___

Auto-up stabilizer controls shall be included.

Y___ N___

Stabilizers shall be pilot operated for low efforts and located for easy access whether facing front or rear.

Y___ N___

Stabilizer guards shall be included to protect stabilizer cylinders from damage

Y___ N___

Flip over stabilizer pads shall have a dirt grouser.

Y___ N___

Stabilizers shall be able to lift the machine high enough to clear tires, on concrete with street pads.

Y___ N___

Rear hydraulic thumb with tine shall be included.

Y___ N___

Y___ N___

LOADER BUCKET

Y___ N___

Loader bucket shall not roll back, and must not move under normal dig operations.

Y___ N___

Loader shall have positive down pressure sufficient to lift tractor front end off level ground.

Y___ N___	<p>1.4 CYD Multi Purpose bucket (4 in 1). Machine shall meet the following specifications</p> <p>Minimum breakout force of 10,900 lbs.</p> <p>Minimum dump clearance of 9'2" at full lift and 44 degree discharge</p> <p>Minimum dig depth of 4".</p> <p>Minimum hinge pin height 11'5".</p> <p>Minimum lift capacity 6,700 lbs.</p>
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Y___ N___	Loader shall be equipped with a return-to-dig mechanism.
Y___ N___	Loader shall be equipped with a lift cylinder brace to mechanically hold the loader arms in the raised position.
Y___ N___	Loader linkage shall incorporate a single, full width main tower pin for maximum strength and load distribution.
Y___ N___	Loader bucket shall be self-leveling for truck loading spoil and equipped with a bucket tilt indicator.

WORK TOOL OPTIONS

Y___ N___	The OEM shall offer a 24" digging bucket to be included.
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SERVICEABILITY

Y___ N___	Entire machine cooling package, including radiator, transmission oil cooler, hydraulic oil cooler, fuel cooler and ATAAC shall be easily accessible without use of tools.
Y___ N___	Water and sediment shall be drained from the fuel / water filter from a standing position without tools.
Y___ N___	Machine fault codes shall be accessible from LCD screen
Y___ N___	The unit shall be provided with a master electrical disconnect switch.
Y___ N___	Load Sensing Variable Displacement pump shall be included for optimized fuel efficiency and performance.

ADDITIONAL FEATURES

Y___ N___	Machine shall be equipped with an on-board machine communication system, recording and transmitting GPS, service hour reading, fuel tank reading and ignition status.
Y___ N___	Ride-Control shall be included and will smooth the ride under all operating conditions.