



Sheffield City Schools

Dr. Keith Davis  
Superintendent

*A Commitment to Quality Education*

Dr. Carlos Nelson  
Deputy Superintendent

## **REQUEST FOR QUOTATION (RFQ)**

September 23, 2021

Dear Sir / Madam:

We kindly request you to submit your quotation for a tractor/loader/backhoe. When preparing your quotation, please be guided by the instructions below:

Quotations may be submitted **on or before 2:00 p.m. October 6, 2021**, via courier mail or hand delivered to the address below:

**Sheffield City Schools Board of Education**  
300 West Sixth Street  
Sheffield, Alabama 35660

It shall remain your responsibility to ensure that your quotation will reach the address above on or before the deadline in sealed envelope. Quotations that are received after the deadline indicated above, for whatever reason, shall not be considered for evaluation.

Please take note of the specifications pertaining to the abovementioned item(s) provided in Attachment A. Quotes must meet specifications or equivalent. PLEASE use the enclosed Quote Proposal Form to document your quote(s).

The quotation that complies with all of the specifications, requirements, and offers the lowest price, as well as all other evaluation criteria indicated, shall be selected. Any offer that does not meet the specifications will be rejected.

At any time during the validity of the quotation, no price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by Sheffield City Schools (SCS) after it has received the quotation.

SCS is not bound to accept any quotation, nor award a contract/Purchase Order, nor be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.

SCS encourages every prospective Vendor to avoid and prevent conflicts of interest, by disclosing to SCS if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ.

Thank you and we look forward to receiving your quotation.

Dr. Keith Davis, Superintendent

Enclosures (2)

Quotes must adhere to the following specifications or their equivalent.

**Tractor**

<b>Engine Specifications</b>	
Type	Water-cooled, turbocharged diesel engine
Engine Make	Iseki & Company, LTD
Engine Model	E4FH
Number of Cylinders	4-cylinder
Injection System	Direct-Injection, Common Rail System
Displacement	148.5 in <sup>3</sup>
Rated Speed	2600 rpm
Low Idle Speed	1000 rpm
High Idle Speed	2730 rpm
Maximum Torque	118.1 lb-ft
Engine Horsepower	48.8 hp
Air Cleaner	Dual Stage, Dry Element
Fan	15 inch, 7-blade
<b>Electrical Specifications</b>	
Voltage	12 volts, Negative Ground
Battery CCA	680 cold cranking amps
Battery JIS Type	115D31R
Alternator Rating	60 amp
Starter Rating	12 volt, 2.68 hp
<b>Transmission Specifications</b>	
Primary Transmission	4-speed synchronized with power shuttle
Range Transmission	3-speed, sliding mesh gear
Gear Selection	12 forward, 12 reverse
Power Shuttle Clutch	Electro-hydraulic Control with multiple wet disk plates
Primary Clutch	Single Stage, Dry Type
<b>Power Take-Off Specifications</b>	
Type	Independent, Engine Driven
Control	Electro-hydraulic Control
PTO Clutch	Hydraulic Engaged, multiple wet disk plates
PTO Shaft Type	6-spline, 1.375 inch diameter
PTO Output	Clockwise Rotation
Engine Speed @ 540 rpm	2,430 rpm
<b>Front Axle Specifications (with R-4 Industrial Tires)</b>	
Type	Mechanical Engagement, Bevel Gear Joints
Turn Angle	57 degrees inward

<b>Front Axle Specifications (continued)</b>	
Oscillation Angle	6 degrees to 8 degrees
Steering	Power, Hydrostatic
Front Wheel Drive Ratio	1.6226
<b>Rear Axle Specifications (with R-4 Industrial Tires)</b>	
Final Reduction	Outboard
Brakes	Wet Multi-Disk, Mechanical Actuation
<b>Hydraulic Specifications</b>	
Primary Pump	Transmission Mounted, 12.6 gal/min
Steering Pump	Transmission Mounted Gear Pump (separate)
Steering Pump Output	7.0 gal/min @ 1,711 psi pressure
3 Point Hitch Linkage	Category 1
3 Point Lift Capacity	3,483 lbs (measured at ball ends) 3,086 lbs (measured 24 inches behind ball ends)
<b>Fuel Specifications</b>	
Type	Ultra-Low Sulfur Diesel Fuel
Above 39 degrees F	No. 2-D
Below 39 degrees F	No. 1-D
<b>Capacities</b>	
Fuel Tank	14.0 gallons
Engine Crankcase	7.82 quarts (with oil filter)
Coolant	7.61 quarts (engine and radiator)
Coolant Reserve Tank	1.16 quarts
Hydraulic System	10.04 gallons
Front Axle	9.0 quarts
<b>Lubrication Specifications</b>	
Grease Zerks	AGCO Multipurpose Lithium II Grease or Equivalent
Engine Oil	Massey Ferguson Multiguard or equivalent in the correct SAE viscosity. Oil must meet or exceed requirements API service classification CK-4 class.
	<b>Recommended Viscosity:</b>
	Between -31 °F and 104 °F      SAE 5w-30 Between -4 °F and 104 °F      SAE 10w-30
Engine Coolant	50/50 Mixture Ethylene Glycol and Water
Transmission and Differential Housing (including hydraulic system)	Permatran 821XL or Equivalent
Front Axle	Permatran 821XL or Equivalent

<b>Maximum Load Capacities</b>	
Front Axle Weight	1,698 lbs
Rear Axle Weight	2,337 lbs
Total Weight	4,035 lbs
Front Axle Maximum Load	4,631 lbs
Rear Axle Maximum Load	4,631 lbs
Total Maximum Load	8,379 lbs

### **Front Mounted Loader**

<b>Loader Frame Specifications &amp; Options</b>	
Type	1-piece mainframe with tapered arms
Frame Mount	Quick Attach with Pin Lock
Bucket Level Indicator	Standard
Built-In Parking Stands	Standard
Lift Cylinders	(2) 2.76 inch Diameter, Double-Acting
Bucket Tilt Cylinders	(2) 2.56 inch Diameter, Double-Acting
Tractor Grille Guard	Standard
<b>Loader Dimensions &amp; Capacities</b>	
Bucket Width	72.0 inches
Bucket Type	Standard Duty, Skid Steer Quick Attach
Maximum Lift Height	111.0 inches (at pivot pins)
Lift Capacity to Full Height	2,570 lbs (at pivot pins)
Breakout Force	3,910 lbs (at pivot pins)
Loader Hydraulic Pressure, Rated	2,277 psi
Maximum Roll Back Angle	26 degrees
Maximum Dump Angle	54 degrees

### **Rear Mounted Backhoe**

<b>Backhoe Frame Specifications &amp; Options</b>	
Type	4-point subframe mount with curved boom
Frame Mount	Quick Attach with Pin Lock
Controls	Twin Lever, 4-way dig controls
	2-cylinder boom swing with rubber stops
	Independent, hydraulic stabilizers
	Boom Float Control

<b>Backhoe Frame Specifications &amp; Options (continued)</b>	
Transport Locking	Standard
Bucket Mounting	Cast Iron Linkage
Bucket Teeth	Bolt-on, Construction Grade
Grease Zerks	Recessed Design
<b>Backhoe Dimensions &amp; Capacities</b>	
Digging Depth	101.6 inches
Maximum Reach	130 inches
Transport Height	85.4 inches
Stabilizer Spread Width	Transport: 56 inches Operating: 119 inches
Loading Height	74.0 inches
Angle of Departure	20 degrees
Swing Arc	170 degrees
Bucket Rotation	180 degrees
Bucket Size	12.0 inches
Digging Force	3,893 lbs (using bucket cylinder) 2,507 lbs (using dipper cylinder)
Shipping Weight	853.0 lbs

### **Pallet Forks**

<b>Fork Specifications</b>	
Type	Manually Adjustable Pallet Forks
Frame Mount	Skid Steer Quick Attach
Fork Length	48.0 inches
Load Headache Rack	Not Included

**Sheffield City Schools Board of Education  
Tractor/Loader/Backhoe  
Specification Sheet Attached**

**QUOTE PROPOSAL FORM  
2:00 p.m., October 6, 2021**

The following proposal is being made on this \_\_\_\_ day of \_\_\_\_, 2021 by  
\_\_\_\_\_ (name of company).

Bid price of the following items:

Tractor/Loader/Backhoe                   \$ \_\_\_\_\_

Delivery Charge (if applicable)       \$ \_\_\_\_\_

Total Quote Proposal                   \$ \_\_\_\_\_

**Wednesday, October 6, 2021, 2:00 p.m. is the deadline for receiving quotes.**

Quotes may be submitted before 2:00 p.m. via courier mail or hand delivered to the address below:

**Sheffield City Schools Board of Education  
300 West Sixth Street  
Sheffield, Alabama 35660**

Comments:

Signature of Authorized Representative: \_\_\_\_\_

Printed or Typed Name: \_\_\_\_\_

Title of Representative: \_\_\_\_\_

Company Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

Notary Signature \_\_\_\_\_ (SEAL)