

REQUEST FOR QUOTATION	<p style="text-align: center;"><b>TROY SCHOOL DISTRICT</b></p> <p style="text-align: center;">1140 RANKIN, TROY, MICHIGAN 48083</p> <p style="text-align: center;">248-823-4052</p> <p style="text-align: center;">FAX: 248-823-4077</p>	REQUISITION
No. <b>9368</b>		
DUE DATE <b>11-20-06</b> NO LATER THAN <b>3 p.m.</b>		DATE <b>11-3-06</b>

**REQUEST FOR QUOTE – NOT AN ORDER**

THIS FORM MUST BE UTILIZED WHEN RESPONDING TO THIS REQUEST  
 BID ENVELOPE ENCLOSED

**THE RFQ NUMBER MUST APPEAR ON ALL QUOTATIONS AND RELATED CORRESPONDENCE, THIS IS NOT AN ORDER**

Quantity	DESCRIPTION	UNIT PRICE	AMOUNT
	<p>Please supply us with your bid to furnish the Troy School District with <b>LOADALL TELESCOPIC BOOM FORKLIFTS</b> per the attached specifications.</p> <p style="text-align: center;">Copies of the bid are available at:  <a href="http://www.troy.k12.mi.us/purchasing/items_out_for_bid.htm">www.troy.k12.mi.us/purchasing/items_out_for_bid.htm</a></p> <p style="text-align: center;">Bid recaps will be available at:  <a href="http://troy.k12.mi.us/purchasing/index.htm">troy.k12.mi.us/purchasing/index.htm</a></p> <p style="text-align: center;"><u>FACSIMILE BID IS NOT ACCEPTABLE</u></p> <p>Bids will not be accepted if submitted after the deadline specified (local time) in the advertisement to bid or in the information to bidders. The late submission of a bid makes the bid nonrepsonsive and is a material defect which shall not be waived by the Board of Education. Delays in the mail will not be considered. All Late bids in the mail will be returned to the bidder unopened.</p> <p>Proposal for the submission of alternatives by vendors will be accepted and reviewed. However, if any substitution or departure is not clearly noted and described, it will be understood that the bid intends to exactly meet the specifications.</p> <p>The Board of Education shall be the sole judge as to whether the proposed goods are "equal" or "approved". Quotations must be mailed or delivered to the Purchasing Office, 1140 Rankin, Troy, MI 48083 no later than 3 p.m. on the date shown above. Michigan State Sales and Use Taxes and Federal Excise Taxes do not apply unless otherwise indicated. Exemption certificates will be furnished when necessary. This request imposes no obligations on the buyer. The Board of Education reserves the right to accept or reject any or all bids or to split awards by items or to accept bids, which will best serve the Board of Education.</p>		

**THIS AREA MUST BE FILLED IN**

DELIVERY TIME	PRICES FIRM FOR	NAME OF COMPANY	TELEPHONE NO.
TERMS		NO. & STREET	FAX #
FOB DELIVERED	ALL DELIVERY CHARGES MUST BE INCLUDED IN PRICES SHOWN	CITY, STATE & ZIP CODE	E-MAIL
CONTACT PERSON (PLEASE PRINT)		SIGNATURE	DATE



**BID SPECIFICATIONS**  
**JCB 527 LOADALL TELESCOPIC BOOM FORKLIFT**  
*(or an approved equivalent)*  
**6,000 lb. Lift Capacity at Maximum Lift Height**

**1.0 GENERAL:**

Unit must be new, unused, current model year telescopic forklift with 6,000 lb. capacity to 18 feet maximum lift height. Bid package is for one (1) unit that meets or exceeds the specifications outlined in this document.

**2.0 ENGINE:**

1. Four-cylinder diesel, with direct injection
2. SAE rated horsepower will be no less than 83 gross
3. SAE gross rated torque shall be no less than 223 lb ft @ 1400 RPM
4. A fuel/water separator with drain shall be incorporated into the fuel system as standard equipment.

**3.0 POWERTRAIN:**

1. The transmission shall be two-speed hydrostatic with electrically selectable high/low range
2. The transmission shall be designed to shift between the high and low range on the go regardless of travel speed
3. The engine shall directly drive the transmission via a coupler
4. Directional control between forward and reverse shall be actuated electrically through a thumb-controlled switch integrated into loader control joystick
5. The transmission shall be an independent unit.
6. The drive axles shall have outboard planetary drive hubs
7. Parking brake shall be independent of the service brakes and be cable actuated and be located on the transmission output shaft
8. Maximum road speed shall be not less than 18 mi/hour
9. Ground clearance shall be a minimum of 13 inches
10. Turning radius shall be 10 feet maximum measured outside the wheels
11. Steering shall be hydrostatic with “dead engine” steering capability

**4.0 AXLES/TIRES:**

1. Tires shall be 12.5/80 x 18 R-4 industrial tread pattern
2. Machine shall have full time 4-wheel drive along with 2 wheel steering, 4 wheel steering, and crab steering all operated from a selector switch inside the cab.

**5.0 ELECTRICS:**

1. Electrical system shall be 12 Volt, DC, negative ground.
2. System shall be equipped with a 75-amp output alternator.
3. Machine shall be equipped with two forward work lights minimum.

## **6.0 INSTRUMENTS/GAUGES:**

1. Unit shall be equipped with an hour meter
2. Unit shall be equipped with an electric fuel gauge
3. Unit shall be equipped with an engine temperature gauge
4. Unit shall be equipped with an audible alarm with individual indicator lights for the following:
  - High engine temperature
  - High transmission temperature
  - Battery charge
  - Low engine oil pressure
  - Low transmission oil pressure
  - Air cleaner blocked
  - Park brake applied

## **7.0 HYDRAULICS:**

1. System type shall be open center design.
2. Pump shall be gear type
3. Pump rating shall be a minimum of 22 gal/min @ 3600 psi
4. System shall be equipped with a return line filter rated at no more than 25 microns
5. Boom lift cylinders shall have hose burst protection built in as standard
6. Carriage tilt cylinder shall have hose burst protection built in as standard
7. Boom extend cylinder shall have hose burst protection built in as standard
8. Boom extension time shall be not more than 5.5 seconds
9. Boom retraction time shall be not more than 4.9 seconds

## **8.0 BOOM/CARRIAGE:**

1. Boom shall be a 2 stage telescoping type allowing lift to 18 feet
2. Boom shall slide on fixed, replaceable wear pads.
3. Machine shall have reach at ground of no less than 10 feet 10 inches
4. Machine shall have reach at full height of no less than 2 feet 6 inches
5. Machine shall have rated lift capacity at full reach of no less than 2,300 pounds
6. Machine shall have loader bucket capability
7. Machine shall have breakout force of no less than 8993 pounds
8. Machine shall be equipped with a boom float provision
9. Machine shall have a compact tool carrier coupler with hydraulic locking of the pins

## **9.0 OPERATOR'S AREA:**

1. Operator's compartment shall be ROPS/FOPS certified.
2. Operator's compartment shall have overhead visibility.
3. Seat shall have fore/aft adjustment.
4. Seat shall have adjustable seatbelt.
5. Operator's compartment shall have left side access.
6. Machine shall be equipped with a fully enclosed cab with heat.

**10.0 MANUALS:**

1. Machine shall come with 1 operator's manual.
2. Machine shall come with 1 parts manual.

**11.0 WARRANTY:**

1. Standard manufacturer's warranty shall be 1 year with no hour limitation.

**12.0 OPTIONS:**

1. Unit shall be equipped with front, top and rear window wipers
2. Unit shall be equipped with mid level driving lights, high/low beams, turn signals and hazard lights
3. Unit shall be equipped with magnetic mount rotating beacon light
4. Unit shall include q-fit General Purpose Bucket - 1.3 cubic yard - 82" Wide
5. Unit shall include q-fit Fork Frame and 42" Long Forks w/ 1.75" Floating Fork Shaft
6. Unit shall include q-fit 96" Snow Push with rubber cutting edge and pullback kit.

**BID SPECIFICATIONS**  
**JCB 520 LOADALL TELESCOPIC BOOM FORKLIFT**  
*(or an approved equivalent)*  
**4,000 lb. Lift Capacity at Maximum Lift Height**

**1.0 GENERAL:**

Unit must be new, unused, current model year telescopic forklift with 4,000 lb. capacity to 13 feet 2 inches maximum lift height. Bid package is for two (2) units that meet or exceed the specifications outlined in this document.

**2.0 ENGINE:**

1. Four-cylinder diesel, with direct injection
2. SAE rated horsepower will be no less than 50 gross
3. SAE gross rated torque shall be no less than 104 lbf ft @ 2000 RPM
4. A fuel/water separator with drain shall be incorporated into the fuel system as standard equipment.

**3.0 POWERTRAIN:**

1. The transmission shall be two-speed hydrostatic with electrically selectable high/low range
2. The transmission shall be designed to shift between the high and low range on the go regardless of travel speed.
3. The engine shall directly drive the transmission via a coupler
4. Directional control between forward and reverse shall be actuated electrically through a thumb-controlled switch integrated into loader control joystick
5. The transmission shall be an independent unit.
6. The drive axles shall have outboard planetary drive hubs
7. Parking brake shall be independent of the service brakes and be cable actuated and be located on the transmission output shaft
8. Maximum road speed shall be not less than 12 mi/hour
9. Ground clearance shall be a minimum of 11 inches.
10. Turning radius shall be 10 feet maximum measured outside the wheels
11. Steering shall be hydrostatic with “dead engine” steering capability

**4.0 AXLES/TIRES:**

1. Tires shall be 12.00 x 16.5 R-4 industrial tread pattern.
2. Machine shall have 4-wheel drive/4 wheel steering

**5.0 ELECTRICS:**

1. Electrical system shall be 12 Volt, DC, negative ground.
2. System shall be equipped with a 55-amp output alternator.
3. Machine shall be equipped with two forward work lights minimum.

## **6.0 INSTRUMENTS/GAUGES:**

1. Unit shall be equipped with an hour meter
2. Unit shall be equipped with an electric fuel gauge
3. Unit shall be equipped with an engine temperature gauge
4. Unit shall be equipped with an audible alarm with individual indicator lights for the following:
  - High engine temperature
  - High transmission temperature
  - Battery charge
  - Low engine oil pressure
  - Low transmission oil pressure
  - Air cleaner blocked
  - Park brake applied

## **7.0 HYDRAULICS:**

1. System type shall be open center design.
2. Pump shall be gear type
3. Pump rating shall be a minimum of 15.8 gal/min @ 3600 psi.
4. System shall be equipped with a return line filter rated at no more than 25 microns.
5. Boom lift cylinders shall have hose burst protection built in as standard
6. Carriage tilt cylinder shall have hose burst protection built in as standard.
7. Boom extend cylinder shall have hose burst protection built in as standard
8. Boom extension time shall be not more than 5.7 seconds
9. Boom retraction time shall be not more than 4.0 seconds

## **8.0 BOOM/CARRIAGE:**

1. Boom shall be a 2 stage telescoping type allowing lift to 13 feet 2 inches.
2. Boom shall slide on fixed, replaceable wear pads.
3. Machine shall have reach at ground of no less than 8 feet 6 inches
4. Machine shall have reach at full height of no less than 2 feet 8 inches
5. Machine shall have rated lift capacity at full reach of no less than 2,000 pounds
6. Machine shall have loader bucket capability
7. Machine shall have breakout force of no less than 7495 pounds
8. Machine shall have a compact tool carrier coupler with hydraulic locking of the pins

## **9.0 OPERATOR'S AREA:**

1. Operator's compartment shall be ROPS/FOPS certified.
2. Operator's compartment shall have overhead visibility.
3. Seat shall have fore/aft adjustment.
4. Seat shall have adjustable seatbelt.
5. Operator's compartment shall have left side access.
6. Machine shall be equipped with a fully enclosed cab with heat.

**10.0 MANUALS:**

1. Machine shall come with 1 operator's manual.
2. Machine shall come with 1 parts manual.

**11.0 WARRANTY:**

1. Standard manufacturer's warranty shall be 1 year with no hour limitation.

**12.0 OPTIONS:**

1. Unit shall be equipped with front, top and rear window wipers
2. Unit shall be equipped with mid level driving lights, high/low beams, turn signals and hazard lights
3. Unit shall be equipped with magnetic mount rotating beacon light
4. Unit shall include q-fit General Purpose bucket, 0.92 yd<sup>3</sup>, 69 in wide with bolt on cutting edge
5. Unit shall include q-fit Fork Frame and 42" pallet forks with 1.75" fork shaft
6. Unit shall include q-fit 60" Snow Push with rubber cutting edge and pullback kit.



Qty.	Description	Alternate	Unit Cost	Total Cost
1	JCB 527 Loadall Telescopic Boom Forklift – 6,000 lb. Lift Capacity Maximum Lift Height			
2	JCB 520 Loadall Telescopic Boom Forklift – 4,000 lb. Lift Capacity Maximum Lift Height			
	<b>Delivery Charges</b>			
	<b>Any Other Charges</b>			
	<b>TOTAL</b>			

TROY SCHOOL DISTRICT Bid 9369 Loadall Telescopic Boom Forklifts		Cloverdale Equip. Co. TERMS: Due upon receipt FIRM: 90 Days					CO.: AIS Construction Equip. TERMS: 30 Days - Cash FIRM: 90 Days		CO.: Michigan Skid Loader, Inc. TERMS: Net 30 days FIRM: 45 Days		
Qty.	Description	Alternate	Total Cost	Alternate			Total Cost			Total Cost	
1	JCB 527 Loadall Telescopic Boom Forklift – 6,000 lb. Lift Capacity Maximum Lift Height	JLG G-623A 64,685.00 compact Tekehandler and loader	64,685.00	Tenex TX5519 Telescopic Forklift	54,620.00	54,620.00	65,400.00	65,400.00	GEHL CT6-18 Telescopic handler 6,000 lbs. 18'3" lift height	53,380.00	53,380.00
2	JCB 520 Loadall Telescopic Boom Forklift – 4,000 lb. Lift Capacity Maximum Lift Height	JLG G-5-19A 61,794.00 compact Tekehandler and loader	123,588.00	Tenex TX 5519 Telescopic Forklift	54,620.00	109,240.00	56,900.00	113,800.00	GEHL CT5-16 handler 5,000 lbs. lift capacity 16'2" lift height	51,000.00	102,000.00
	Delivery Charges		-0-			-0-		-0-			-0-
	Any Other Charges		-0-			-0-		-0-			-0-
	<b>TOTAL</b>		<b>188,273.00</b>			<b>163,860.00</b>		<b>179,200.00</b>			<b>155,380.00</b>
									48" forks 13/4 x 5" 1.25 cubic yards 2 units bucket mount 6' snowpush w/pull back bucket mount snow pushers 96"		

Carleton Equip. Co. - No Bid  
 Gordon's Equip., Inc. - No Response  
 Bell Forklift Inc. - No Response  
 Fraza Forklifts of Detroit - No Response  
 HP Lift & Loader, Inc. - No Response  
 National Ladder & Scaffold - No Response  
 Aesshilman Equip. Co - No Response  
 Bobcat of Motor City - No Response