

Bedford County Department of Finance

**200 Dover Street, Suite 102
Shelbyville, TN 37160
(931) 685-2024 FAX (931) 680-1029**

Request for Proposal

**Lathe (TL-1-EDU) or Equivalent
Bid No. 24-12**

The Bedford County Department of Finance is requesting proposals on a Lathe (TL-1-EDU) or equivalent. Sealed bids will be received until **2:00 p.m., Thursday, July 13, 2023**, in the office of the Bedford County Department of Finance and will be opened publicly at that time. The Department of Finance reserves the right to reject any and all bids and waive any irregularities for the purpose of ensuring the award given is in the best interest of Bedford County. Any bids received after the scheduled closing time for receipt of bids will be returned to the bidder unopened.

GENERAL BID TERMS AND CONDITIONS

Proposals from all responsible bidders will be considered. To qualify as a responsible bidder, the proposal submitted must:

1. **Meet or exceed the minimum requirements specified.**
2. **Furnish all documents requested by the representative of the Bedford County Department of Finance prior to and following the bid opening.**
3. **Submit their completed bid prior to the bid opening date and time.**
4. **Have bid name and bid number placed on the outside lower left corner of the sealed envelope containing the bid form. (Facsimile bids will not be considered.)**

Award

A purchase order from the Bedford County Department of Finance will be issued to the successful bidder acknowledging the award. A copy of these terms and conditions, specifications and the vendors' proposal form will become a part of the purchase order.

Prospective bidders may contact Lori Sexton, Director of Career and Technical Education, at 931-684-3284, or email sextonl@bedfordk12tn.net, for any questions as to the specifications of the bid.

Lowest and/or best bid will be awarded.

Other Considerations

Bedford County Department of Finance reserves the right to purchase only those bid items and quantities that conform to overall budgetary, functional, and performance constraints.

The terms of this bid will be extended to other local government agencies, other municipalities, and Boards of Education. Bedford County is responsible only for purchases made and received by Bedford County.

Bedford County of Tennessee ensures compliance with Title VI of the Civil Rights Act of 1964; 49 CFR, part 26; related statues and regulations to the end that no person shall be excluded from participation in or be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance from the U.S. Department of Transportation on the grounds of race, color, sex or national origin.

INSTRUCTION TO BIDDERS

All Proposals are to be made on the Proposal Form provided. **Bids must be delivered in hand or by a mail service in a sealed envelope marked on the outside lower left corner, Bid No. 24-12 Lathe (TL-1-EDU) or equivalent.** Bids will be received and opened at **2:00 p.m., Thursday, July 13, 2023.** Any bids received after the scheduled closing time for receipt of bids will be returned to the bidder unopened.

Proposals shall be made upon Proposal Forms prepared by the Department of Finance. All Proposals are to be made complete in every detail as required and called for by said Proposal Form. Proposals that are incomplete, conditional contain irregularities of any kind, or which are not in accord with the Instructions to Bidders and Proposal Form furnished by the Department of Finance may be rejected as informal.

The submission of a proposal will signify that the Bidder has thoroughly familiarized himself with all conditions and that he fully understands what will be expected of the successful bidder.

The Department of Finance reserves the right to accept or reject in whole or in part any or all proposals submitted, without liability whatsoever, and waive informalities therein, if deemed by the Department of Finance in their best interest to do so.

SPECIFICATIONS

New TL-1-EDU or Equivalent for Shelbyville Central High School

The below specifications are not intended to limit competitiveness in similar products, rather they are intended to establish a standard of quality and desired features to ensure that the needs and requirements of the school district are met.

TL-1-EDU Required Specifications

Details:

- Machine and control built in the United States
- Includes Control Simulator for Education
- Includes one (1) day of on-site training for Instructor
- Other details available at the BCS CTE Office

Extended Warranty

All Freight costs included

1. SWING DIAMETER	S.A.E	
a. Over Front Apron	20.0 in	METRIC
b. Over Cross Slide	11.0 in	508 mm
		279 mm
2. CAPACITIES	S.A.E	
a. Chuck (optional)	8.0 in	METRIC
b. Max Cutting Length (varies w/workholding)	30.0 in	203 mm
c. Max Cutting Diameter (varies w/turret)	16.0 in	762 mm
		406 mm
3. TRAVELS	S.A.E	
a. X Axis	8.0 in	METRIC
b. Z Axis	30.0 in	203 mm
		762 mm
4. FEEDRATES	S.A.E	
a. Rapids on X	450 ipm	METRIC
b. Rapids on Z	450 ipm	11.5 m/min
		11.4 m/min
5. AXIS MOTOR	S.A.E	
a. Max Thrust X	3894 lbf	METRIC
b. Max Thrust Z	1947 lbf	17321 N
		8661 N
6. SPINDLE	S.A.E.	
a. Spindle Nose	A2-5	METRIC
b. Drive System	Direct Speed, Belt Drive	A2-5
c. Max Rating	10.0 hp	Direct Speed, Belt Drive
d. Max Speed	1800 rpm	7.5 kW
e. Mar Torque	108.0 ft-lbf @355 rpm	1800 rpm
		146.0 Nm@355 rpm
7. AIR REQUIREMENTS	S.A.E.	
a. Inline Air Hose	3/8 in	METRIC
b. Coupler (Air)	3/8 in	3/8 in
c. Air Pressure Min	80 psi	3/8 in
		5.5 bar

8. ELECTRIC SPECIFICATION

- a. Spindle Speed
- b. Drive System
- c. Spindle Power
- d. Input AC Voltage
(1Phase)
- e. Full Load Amps
(1 Phase)
- f. Input AC Voltage
(3 Phase)-Low
- g. Full Load Amps
(3 Phase)-Low

S.A.E.
1800 rpm
Direct Speed, Belt Drive
10.0 hp
220 VAC

40A

220 VAC

25A

METRIC
1800 rpm
Direct Speed, Belt Drive
7.5 kW
220 VAC

40A

220 VAC

25A

9. DIMENSIONS-SHIPPING

- a. Domestic Pallet
- b. Weight

S.A.E
92in x 69in x 87in
4900 lb

METRIC
234cm x 175cm x 221cm
2230.0 kg

Additional Requirements:

- Coolant Pump Kit
- Electronic Handwheels
- Manual Tailstock, MT4
- Work Light
- Educational Software Package
- 8" Manual 3-Jaw Chuck, A2-5
- Convenience Package (CONV-PKG-L)

Haas Tooling

- 6-Piece, Inch Quick-Change Tool
Post Kit

PROPOSAL FORM

**TO: Bedford County Department of Finance
200 Dover Street, Suite 102
Shelbyville, Tennessee 37160**

Re: Bid No. 24-12

Gentlemen:

Having examined the specifications for a **new Lathe (TL-1-EDU) or equivalent**, we (I) submit the attached proposal.

Total Bid Price \$ _____

Company Name: _____

Mailing Address: _____

Signature and title of bidder: _____

Telephone Number: _____

Email: _____