



PROPOSED AGENDA ITEM

MEETING DATE: October 25, 2007

SUBJECT: CNC Machining bid – purchase award

INITIATED BY: Paul Fritz, Business Manager

DESCRIPTION:

Bid proposals were received October 16, 2007 for the purchase of CNC mills and CNC lathes for the upgrade to the Tool & Die program.

This purchase is funded by a PDE Career and Technical Education equipment grant in the \$82,436.00 and the General Fund budgetary reserve for \$82,436.00.

One Bid was received from Perseo-Erie – HURCO local distributor.

It is recommended that the proposal from Perseo-Erie be accepted.

RECOMMENDATION:

Motion to approve the bid proposal from Perseo-Erie-HURCO for three (3) CNC Mills with optional Cat 40 tool package, and one (1) CNC lathe with optional programmable tailstock for a total price of \$164,872.00 as proposed and as specified.

CNC Machinery Bid Results			
October 16, 2007			
	Perseo-Erie	Bid Award	
	Quantity- 1		
CNC Mills -base	\$ 40,206.00	\$ 120,618.00	3-units
Options:			
Cat 40 Tool Package	\$ 845.00	\$ 2,535.00	3-units
Second year warranty	\$ 2,900.00	\$ -	
1-year maintenance	\$ 250.00	\$ -	
Winmax Upgrade(Existing mach)	\$ 5,000.00	\$ -	
CNC Lathes - base	\$ 39,724.00	\$ 39,724.00	1-unit
Options:			
Programmable tailstock	\$ 1,995.00	\$ 1,995.00	1-unit
Second year warranty	\$ 2,900.00	\$ -	
1-year maintenance	\$ 250.00	\$ -	
Total cost		\$ 164,872.00	
CTE equipment grant		\$ 82,436.00	
Local share- budgetary reserve		\$ 82,436.00	



8500 Oliver Road, Erie, PA 16509-4699
814-464-8600

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September 17, 2007

The Operating Committee of Erie County Technical School is seeking bids for:

CNC Machining Equipment

Bid proposals must be received no later than 11:00 AM, October 16, 2007.
The bid proposals will be publicly opened at that time.

Bids are scheduled to be awarded at the October 25, 2007 Operating Committee Meeting.

1. GENERAL SPECIFICATIONS

- A. All bids must be submitted in a sealed envelope labeled '**Erie County Technical School-CNC Bid**' and delivered to Paul Fritz, Business Manager, Erie County Technical School, 8500 Oliver Road, Erie, PA 16509-4699.
- B. The Erie County Technical School reserves the right to reject any or all bids and to waive any formalities in conjunction with the bid, retains the right to evaluate bid items as they are intended for use, to select the equipment, supplies, or services which represents the best value regardless of price. Any interpretation of equivalency shall be determined finally by the Operating Committee of the Erie County Technical School.
- C. No purchase contract shall exist between the bidder/seller and Erie County Technical School until the properly executed purchase orders, including all pertinent terms, conditions, specifications, drawings and/or other attachments are issued to the bidder/seller by Erie County Technical School.
- D. The successful bidder will be awarded the contract upon approval of the Operating Committee of Erie County Technical School.
- E. Bidders shall not take advantage of any errors, inconsistencies or omissions in the specifications. Bidders will be obliged to promptly notify Erie County Technical School of the same prior to the time set for the bid opening.

- F. All bids must be typed or handwritten in permanent ink on this document as the Bid Form and must be properly signed with original signatures. Changes or alterations in the bid specifications or conditions of such automatically disqualify the bid.
- G. No bidder may withdraw a bid for a period of **60 days** after the date set for the awarding thereof, nor may a bidder set a sooner expiration date on a bid other than stipulated herein.
- H. All items on this bid must be New, which shall mean first-time usage. All items on this bid shall be of current manufacture, which shall mean the most recent line of the times being made available to the bidder by the manufacturer, including the most recent release of any software under which the equipment operates.
- I. **Bids shall include the complete fabrication, delivery, rigging, finishing, and installation ready for use all in accordance with these specifications. Any part or accessory not specifically mentioned herein, which is normally part of the equipment or necessary to complete installation of same (Pull studs, CAT 40 spindles etc...) shall be included in the bid price. "Turnkey Operation" required.**
- a. Erie County Technical School will be responsible to supply electric power, as required at the installation location of each piece of equipment.
- J. Standard of Quality: The various materials and products specified in the specifications by name or description is given to establish a standard of quality and of cost for bid purposes. It is not the intent to limit the acceptance to any one material or product specified, but rather to name or describe it as the absolute minimum standard that is desired and acceptable. A material or product of lesser quality would not be acceptable. Where proprietary names are used, whether or not followed by the words "or as approved equal", they shall be subject to equals only as approved by our architect and/or engineer, or other responsible party.
- K. No cash allowance: No cash allowances for any purposes are included in the specifications of this project.
- L. The bidder shall have the responsibility for loss or damage in shipment, delivery and installation of all equipment, parts and goods until time of transfer or acceptance by Erie County Technical School.
- M. The bidder shall exercise reasonable care to avoid any damage to the owner's property and shall be responsible for any repair of any such damage.
- N. **Bidder warrants that each piece of equipment and software shall be free from defects in material and workmanship for a minimum period of twelve (12) months from the date of acceptance and is fit for the purpose intended. Bidder further warrants that it will, at bidder's expense, fix, repair or replace the equipment or any part thereof through the warranty term. Warranty shall include on-site service. Warranty information and description must be included with the bid submission.**

- O. Payment: Supplier will be paid 100% of the contract price upon acceptable receipt of all items as determined by the ECTS Business Manager.**
- P. Clearances: Federal FBI, and PA Acts 34 and 151: The contactor, sub contractors, and material suppliers, and employees of same, who may be coming in direct contact with children shall be required to comply with the provisions of Act 34 of 1985 and Act 151, pertaining to criminal and child abuse history. Proper certification of compliance shall be placed on file in the office of the Business Manager prior to any employee working on the premises of the school.**
- Q. Suppliers should be aware that donations of equipment to Erie County Technical School can be made through our Erie County Technical School Foundation which is a charitable organization under section 501(c) (3) of the Internal Revenue Code. Donations may also qualify for tax credits under Pennsylvania tax laws. Erie County Technical School encourages contributions and donations to our educational programs.**
- R. Bid bond-a bid bond or bank cashier's check in the amount of 10% of the total bid price is required with the bid. Bid bonds and checks will be returned to the unsuccessful bidders upon award of a purchase order by the Operating Committee.**

2. PRODUCT DESCRIPTION-

CNC Mills - (quantity of 2)

Base Specifications:

1. CAT 40 Taper spindle
2. Minimum axis travels of 24" X, 14" Y, 16" Z travel
3. C-Frame body fully enclosed cell with interlocking safety devices
4. Minimum 10 horsepower spindle motor with a minimum RPM of 6,000 and an infinitely adjustable lockout RPM value (from parameter settings)
5. Automatic side mounted swing-arm tool changer with a minimum capacity of 20 stations
6. 208 volt, 3-phase operation
7. Accuracy for positioning and repeatability to a maximum .0002"
8. Full CNC control machine mounted HMI with minimum program resolution to .0001"
9. Machine control capable of:
 - a. ISO (G&M Code) programming
 - b. Conversational programming
 - c. Cam software compatible capability
 - d. Canned cycles
 - e. Input/Output file transfer capable
10. Rigid Tapping capability
11. Programmable flood coolant
12. Electronic and bound paper versions of documentation to include:
 - a. Operator's Manual
 - b. Maintenance/Service Manual
 - c. Parts List
13. Set-up and installation provided by vendor
14. One-year Warranty
15. 40 hours of operator training, on-site, over a 12-month period from date of installation (8-hour minimum initial commitment)
16. Unlimited telephone support for five years

Optional Specifications:

1. Second year Warranty
2. One year Preventive Maintenance Contract
3. CAT 40 tooling package consisting of 40-50 pieces with a holding range of ¼ to 1" diameter shanks with wrenches, quoted as purchasing one set and three sets

3. PRICING BID FORM

CNC Mills	Bid price	Bid price
	Quantity - 1	Quantity - 2
	(cost-one unit)	(total cost 2 units)
Shipping and transportation	Included	included
Rigging costs	Included	included
Base Bid price	\$ 40,200.	\$ 80,412.
Options: Pull Studs	Included	Included
1.- Cat 40 tool package	\$ 845.	\$ 1,690.
2- Second year warranty	\$ 2,900.	\$ 5,800.
3. 1-year maintenance	\$ 250.	\$ 500.
4. Winmax Upgrade (Existing Mach)	5,000.	10,000.
Total CNC mill costs (base + options)	\$49,201.	\$98,402.

CNC Lathes	Bid price	Bid price
	Quantity - 1	Quantity - 2
	(cost-one unit)	(total cost 2 units)
Shipping and transportation	Included	included
Rigging costs	Included	included
Base Bid price	\$39,724.	\$79,448.
Options:		
1.- Programmable tailstock	\$ 1,995.	\$ 3,990.
2- Second year warranty	\$ 2,900.	\$ 5,800.
3. 1-year maintenance	\$ 250.	\$ 500.
Total CNC lathe cost-(base + options)	\$44,869.	\$89,738.

Total Base Bid - Mills + lathes	\$79,930	\$159,860.
Mills and lathes-base cost only		(2 mills + 2 lathes)

Note: Actual quantity of each item and options purchased will depend on bid pricing and the available budgeted funds approved by the Operating Committee.

CNC Lathes – (quantity of 2)

Base Specifications:

1. Minimum 6" power chuck with minimum travels of 6" X and minimum travel of 12" Z
2. Turret with a minimum of 12 stations (including 6 round holders and 6 square holders) holding a minimum 3/4" square and 1 1/4" round shank tools
3. Machine fully enclosed with interlocking safety devices
4. 208 volt, 3-phase operation
5. Minimum 10 horsepower spindle motor with a minimum RPM of 4,000 and an infinitely adjustable lockout RPM value (from parameter settings).
6. Machine control capable of:
 - a. ISO (G&M Code) programming
 - b. Conversational programming
 - c. Cam software compatible capability
 - d. Canned cycles
 - e. Input/Output file transfer capable
7. Accuracy for positioning and repeatability to a maximum of .0002"
8. Full CNC control machine mounted HMI with minimum program resolution to .0001"
9. Electronic and bound paper versions of documentation to include:
 - a. Operator's Manual
 - b. Maintenance/Service Manual
 - c. Parts List
10. Set-up and installation provided by vendor
11. One-year warranty
12. 40 hours of operator training, on-site, over a 12-month period from date of installation (8-hour minimum initial commitment)
13. Unlimited telephone support for five years

Optional Specifications:

1. Programmable tailstock
2. Second year Warranty
3. One year Preventive Maintenance Contract

**Complete descriptions of all items being proposed must accompany the bid.
Warranty information must accompany the bid.**

- Questions regarding equipment details may be directed to:
Mr. Rob Suprynowicz, Instructor, 814-464-8610, or e-mail: rsuprynowicz@ects.org
- Questions regarding general specifications may be directed to:
Mr. Paul Fritz, Business Manager, 814-464-8662 or email: pfritz@ects.org

4. SIGNATURE

Having carefully reviewed the Bid Specifications supplied by Erie County Technical School and being completely familiar with all requirements and conditions set forth, the undersigned agrees to supply all materials and services required for the project. The undersigned further acknowledges the right of Erie County Technical School to reject any and all bids and to waive any defect in form. The undersigned further certifies that this bid was prepared independently and without collusion with any known bidders in compliance with the Pennsylvania Anti-Bid-Rigging Act.

Firm Name Perseo-Erie, Inc.

Address 2230 W. 23rd St

City, State, Zip Code Erie PA 16506

Phone (814) 452-4658

By Laure A. Perseo

Title Vice President

Signature Laure Perseo Date 10/10/07