



PROPOSED AGENDA ITEM

MEETING DATE: November 21, 2007

SUBJECT: # Dimensional Printer bid–purchase award

INITIATED BY: Paul Fritz, Business Manager

DESCRIPTION:

Bid proposals were received November 12, 2007 for the purchase of a 3-Dimensional Printer for the Drafting & Design Program.

This purchase is funded within the 07-08 Perkins Local Plan federal grant.

Bids were received from

It is recommended to accept the proposal from Allegheny Educational Systems, Inc.

Allegheny Educational Systems, Inc.	First Technologies, Inc.
Natrona Heights, PA	Mukwonago, WI

Grand Total	\$	29,975.00	\$	36,840.00
				No bid bond

RECOMMENDATION:

Motion to approve the bid proposal from Allegheny Educational Systems, Inc. for the purchase of a 3-Dimensional Printer package in the amount of \$29,975.00, as specified.



8500 Oliver Road, Erie, PA 16509-4699

814-464-8600

www.ects.org

An equal rights and opportunities school

October 22, 2007

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

3-Dimensional Printer-Educational Package

Bid proposals must be received no later than 11:00 AM, November 12, 2007.

The bid proposals will be publicly opened at that time.

Bids are scheduled to be awarded at the November 20, 2007 Operating Committee Meeting.

1. GENERAL SPECIFICATIONS

- A. All bids must be submitted in a sealed envelope labeled ‘**Erie County Technical School 3-D Printer 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 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 shall be included in the bid price.**
- 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 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-

Product must be equal to, or better than:

STRATASYS DIMENSION SST 768 3D PRINTER SYSTEM #180-00101-PKG
(product name and description is for reference only)

To be as follows:

Functionality & Automatic Operation

Catalyst software automatically imports STL files and orients the parts, slices the file and generates support structures (if necessary) and creates a precise deposition path to build the part. Multiple parts can be packed within the build envelope to maximize efficiency.

Catalyst software provides queue management capabilities, build time, material status and other machine status information.

Dimension runs unattended and can provide system status and build completion information via e-mail, pager, or the Internet.

Network Connectivity:
TCP/IP 100/10 base T

Workstation Compatibility:
Windows 2000 / Windows XP

Build Size:
Maximum size 203 x 203 x 305 mm (8x8x12 inches)

Materials:
Uses ABS plastic in standard white, blue, yellow, black, red or green colors.
Custom colors available.

Support Structures:
Catalyst software automatically creates any needed support structures to complete the part. The SST offers a soluble support removal process.

Material Cartridges:
Auto load cartridges with (56.3 cu in) ABS BUILD material and
Auto load cartridges with (56.3 cu in) support material

Layer Thickness:

.245mm (.010 in.) or .33 mm. (.013 in.) of precisely deposited ABS and support material.

Size and Power Requirements:

Size: 686 x 914 x 1041 mm (27 x 36 x 41 in.)

Weight: 136 kg (300 lbs.)

Power Requirements: 100-120 VAC, 60hz, min. 15A dedicated circuit or 220-240 VAC, 50/60 Hz, min. 7A max dedicated circuit

Regulatory Compliance: CE

Special facility requirements: None.

Includes:

(1) Start-up Supply Kit

(1) Case of Soluble Concentrate

(1) Educational Bonus Material Package Including:

- (10) ABS Model Material Cartridges - White
- (4) Soluble Support Material Cartridges
- (2) Boxes of 24 Plastic Foundations

(1) Catalyst Software

(1) User Guide

1-Year Warranty

Pricing options Also includes:

- | | |
|------------------|---|
| (1) #250-00201 | Dimension SST 768 Annual System Maintenance, Year 2 |
| (1) #340-20000/5 | ABS Model Material Cartridges (White) (case of 5) |
| (1) #340-00200 | Plastic Modeling Bases 8" x 8" (pkg. of 24) |
| (1) #300-00600 | Soluble Concentrate (case of 12) |
| (1) #500-00100 | Model Finishing Kit |
| (1) #300-00100 | Z-Stage Grease |
| (1) #540-00101 | Brush/Flicker Assembly |

Note: ECTS will provide a network connection (with static or dynamic IP address), Windows 2000/XP computer/s with software that can create STL files. ECTS will also provide a stand/table and a soluble support cleaning station/tank.

Customer is also to provide a stand/table and a soluble support cleaning station/tank.

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:
Maria Sargent, Instructor, 814-464-8638, or e-mail: msargent@ects.org
- Questions regarding general specifications may be directed to:
Mr. Paul Fritz, Business Manager, 814-464-8662 or email: pfritz@ects.org

3. PRICING BID FORM

3-Dimensional Printer package	Bid price
	Quantity - 1
	(cost-one unit)
Shipping and transportation	Included
Base Bid price- 3D printer	\$
Additional items priced separately:	
Annual System Maintenance, Year 2	\$
ABS Model Material Cartridges (White) (case of 5)	\$
Plastic Modeling Bases 8" x 8" (pkg. of 24)	\$
Soluble Concentrate (case of 12)	\$
Model Finishing Kit	\$
Z-Stage Grease	\$
Brush/Flicker Assembly	\$
Shipping, delivery costs	\$ included
Grand Total – all items	\$
Please provide separate listing of any additional options not included above	
All installation, set-up, training and on-site customer support cost is included	\$ included

1. 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 _____

Address _____

City, State, Zip Code _____

Phone _____

By _____

Title _____

Signature _____ Date _____