



**REQUEST
FOR
PROPOSALS**

September 9, 2015

IT Networking Equipment

Project 2015-2016

**Due 11:00 AM CST/CDT
Monday, September 28, 2015**

Company Name: _____

Contact Information: _____

Printed Name & Title

Address, City, State

Phone Number

**EAST CENTRAL COLLEGE
REQUEST FOR PROPOSALS**

*Please mark the outside of your return envelope:

TO: EAST CENTRAL COLLEGE
1964 Prairie Dell Road, Union MO 63084
Email: bids@eastcentral.edu
PH: (636) 583-6703 FAX: (636) 584-8602

BID: IT Networking Equipment

DUE: 11:00 AM, September 28, 2015

Questions concerning this Request for Proposals must be received by fax or email no later than 12:00 PM September 18, 2015.

Proposals must be received September 28, 2015, No later than 11:00 AM CST/CDT.

DIRECT CONTACT WITH EAST CENTRAL COLLEGE BOARD OF TRUSTEES IS PROHIBITED.

INSTRUCTIONS AND CONDITIONS: Please quote the lowest net price at which you agree to furnish the service listed. Please send 3 copies of this bid response sheet and descriptive folders giving trade names, specifications, and related information on items bid. Samples may be sent to further describe the merchandise in question.

VERIFY YOUR PROPOSAL BEFORE SUBMISSION AS THEY CANNOT BE WITHDRAWN OR CORRECTED AFTER BEING OPENED. The College is exempt from the Missouri State Tax. The College is a state funded institution and requires all bids to be submitted as prevailing wage. Franklin County is listed under section 36 in the Missouri Statute. East Central College is not responsible for Request for Proposals lost in transit or received after time of quotation closing. It is the vendor's responsibility to confirm receipt of their proposal by the Purchasing Department.

WE WILL ACCEPT ONLY SEALED WRITTEN BIDS; VERBAL QUOTES OR BIDS SUBMITTED VIA FAX, E-MAIL, OR ANY OTHER MEANS WILL NOT BE ACCEPTED.

ALL PRODUCT DESCRIPTION, FEATURES, CHARACTERISTICS AND PRICING ASSOCIATED WITH THIS SERVICE MUST BE DETAILED IN THE BID. EAST CENTRAL COLLEGE RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, WAVE MINOR IRREGULARITIES, CONSIDER MINOR VARIATIONS TO SPECIFICATIONS THAT ARE CLEARLY DETAILED, AND ACCEPT THE LOWEST BID WHICH APPEARS TO BE IN THE BEST INTEREST OF THE COLLEGE.

Item#	Qty	Description	Total Cost
1	1	IT Networking Equipment	

***Return this form to East Central College Purchasing Department with Unit Price and Extension Total indicated.**

East Central College reserves the right to purchase by individual item. All prices quoted shall be F.O.B. East Central College, Union, Missouri or to any East Central College off-campus location when indicated. All prices quoted shall be valid for a minimum of 90 days from closing date of request for proposal.

We agree to furnish the above material and service for delivery as specified, at prices shown opposite each item. This form must be completely filled out and signed, or it will not be accepted.

IT IS REQUIRED THAT THE VENDOR READ AND FOLLOW ALL INSTRUCTIONS ON THIS FORM. FAILURE TO DO SO IS SUFFICIENT CAUSE FOR REJECTION.

THIS IS NOT AN ORDER

Date: _____

Name of Firm

Signature & Title

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Please send 3 Copies of the bid response sheet descriptive folders
giving trade names, specifications and related information on items quoted.

PROJECT TIMELINE

September 9, 2015 Request for Proposals released to public

September 12 - 13 &

September 16, 2015 Invitation to Issue Request for Proposals advertise

September 18, 2015 Questions and inquiries concerning this Request for Proposals must be submitted not later than 12:00 PM:

Fax: 636-584-8602

Email: melissa.popp@eastcentral.edu

September 28, 2015 Bids due by 11:00 AM, CST/CDT to:

East Central College

Melissa Popp, Purchasing Manager

1964 Prairie Dell Road

Union, MO 63084

Attn: IT Networking Equipment

Mail an original and two copies of the bid.

September 28, 2015 RFP's publicly opened and read aloud, 11:05 AM, Buescher Hall, 2nd Floor, Room 262

October 5, 2015 Recommendations submitted to the College Board of Trustees for Approval and Award.

It is the responsibility of each vendor to inquire about and clarify any requirement of this solicitation that is not understood. The College will not be bound by oral explanations as to the meaning of specifications or language contained in this solicitation. All inquiries and questions deemed to be substantive in nature must be in writing and submitted as stated in timeline. *Please provide business name, contact, telephone number, email address and fax number on inquires.* A copy of all queries and the respective responses will be provided in the form of an addendum to all vendors who have indicated an interest in responding to this solicitation. Your signature on the proposal cover sheet certifies that you fully understand all facets of this solicitation. Questions may be sent by FAX to **636-584-8602** or email to melissa.popp@eastcentral.edu.

ALL SERVICE DESCRIPTION, FEATURES, CHARACTERISTICS AND PRICING
ASSOCIATED WITH THIS PROPOSAL MUST BE DETAILED IN THE BID.

EAST CENTRAL COLLEGE
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BID: IT Networking Equipment

Equipment Specifications

Two (2) Core Network switches to handle all Layer3 switching for the campus with the following minimum specifications

- Thirty-Two (32) 40Gbe QSFP+ port per switch
- Two ports per switch must be provide for connection to extended range switches at 1Gb using LR Optics/Transceivers
- Remaining Thirty-one (31) or greater switch ports must be capable of providing either 40Gbe connections or (4) 10Gbe connections at short range and feed connectivity for the Fiber Breakout Panels described herein
- Line rate L2 and L3 switching and routing
- 2.5 Tbps or great switching fabric in full-duplex
- 8+ queues per port
- Packet Buffer Memory of 12MB or greater
- Sub 700ns switching latency
- Must support reversible airflow
- Redundant Hot-Swapping power supplies
- Must support QoS and Standards-based IPv4 and IPv6 protocols: BGP, OSPF, and Policy-Based routing
- Must provide support for VXLAN gateways for bridging virtualized and non-virtualized workloads at full line rate speeds
- All necessary cables and QSFP+ 40Gbe optics/transceivers must be included in the bid

Two (2) 64-Port OM4 Multi-Mode Fiber Breakout Cable Management Panel

- Provides for fiber breakout of 40Gbe ports to 10Gbe ports mounted in a sturdy, secure, fixed housing, consuming no more than 1RU of Rackspace per 64 ports
- All 128 ports must be “hot” and available to accept 10Gbe connections without additional QSFP+ purchases required
- All cables and transceivers must be included in the bid

Four (4) Data Center access switches with the following minimum specifications

- 48-Ports of 10GB Base-T and 4-Ports of 40Gbe QSFP+
- Line rate L2 and L3 switching and routing
- 1.2 Tbps or great switching fabric in full-duplex
- 4+ queues per port
- Packet Buffer Memory of 9MB or greater
- Must support reversible airflow
- Redundant Hot-Swapping power supplies
- Must support QoS and Standards-based IPv4 and IPv6 protocols: BGP, OSPF, and Policy-Based routing
- Data Center Access switches must uplink with redundant 40Gbe Connections to the Core Network Switches
- All cables and transceivers must be included in the bid

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Equipment Specification cont'd.

One (1) Data Center access switch with the following minimum specifications

- At least a total of Twelve (12) available switch ports with expandability up to 48-ports
- At least Five (5) of the switch ports must support 1GB Base-T connections
- At Least Four (4) of the switch ports must support 1Gbe SFP Short Range Fiber Connections
- Line rate L2 and L3 switching and routing
- 1.2 Tbps or greater switching fabric in full-duplex
- 4+ queues per port
- Packet Buffer Memory of 9MB or greater
- Must support reversible airflow
- Redundant Hot-Swapping power supplies
- Must support QoS and Standards-based IPv4 and IPv6 protocols: BGP, OSPF, and Policy-Based routing

Two (2) 2-Port 40GbE QSFP+ Hot Swappable Uplink Module for existing Dell PowerEdge M1000e Blade Enclosures

- Must also include Six (6) 7M QSFP+ to QSFP+ 40Gbe Passive Copper Direct Attached Cables for uplinking Blade Enclosures to the new Data Center Access Switches

Support

All proposed equipment and switches must be new (not used or factory refurbished) and include at least 3-years of manufacture onsite warranty and support with 7x24x365 Hardware and Software technical support assistance.

Installation Services

Respondents should include fees for installation, configuration, training, and day 2 supports services for the equipment constituting no less than 60 hours of onsite presence by a qualified network engineer that is manufacturer trained and certified to install the equipment.

Bid Response Detail

Bidders must provide a detailed bill of materials itemizing all components of the system, including switches, optics, power supplies, licensing, etc. Failure to do so will disqualify the respondent.