

E-Rate Cat-2 2019 Equipment Requirements

Site: Duckwater Elementary/Middle School

2 Duckwater Road. Duckwater NV 89314

ROUTING

Project Description: Deliver a single unit of the compatible equipment and modules with all product documentation, rack mounting hardware, and all appropriate licensing. The router will require at least 2 Ethernet 10/100/1000 ports as described.

Bid to have on-site tech, unbox the unit, mount the rack hardware, update the firmware to the latest long-term-release, load configuration provided by in-house IT staff,. In house IT staff will rack new equipment and decommission old equipment.

Justification: Entire NCSD routing and switching infrastructure is Cisco. If proposing a product other than our existing infrastructure, please provide an explanation of how this will be implemented and work with our existing deployment and any costs required to migrate the network to any non-Cisco standards like OSPF. If certification or training is required to utilize the new equipment, please provide a cost per employee for training and certification.

E-Rate Description: Cisco ISR4331/K9 or equivalent, with at least 100 Mbps aggregate throughput and a minimum of 2 10/100/1000 ports.

Qty Requested = 1

Vendor Selection

| | | |
|-----------------------------|-----------------|-----------------|
| Base Hardware Qty | Make/Model/Desc | Unit Price \$ |
| Add'l Hardware Qty | Make/Model/Desc | Unit Price \$ |
| Add'l Hardware Qty | Make/Model/Desc | Unit Price \$ |
| Add'l Hardware Qty | Make/Model/Desc | Unit Price \$ |
| Add'l Hardware Qty | Make/Model/Desc | Unit Price \$ |
| Add'l Hardware Qty | Make/Model/Desc | Unit Price \$ |
| Project Labor Total Cost \$ | Or Qty | X Unit Price \$ |

Notes:

Section Total \$

Check here if additional information is attached.

SWITCHING

Project Description: Deliver to central staging site one (1) or more switches, depending on bid cost, of the compatible equipment with all product documentation, rack mounting hardware, and all appropriate licensing. For each switch include at least two 1G Fiber SFP modules, and if switch contains at least 4 SFP ports additionally include two 1G Ethernet SFP modules as described.

Bid to have on-site tech, unbox the units, mount the rack hardware, update the firmware to the latest long-term-release, load with a simple staging configuration that we provide, IT staff can rack and configure.

Justification: Entire NCSD routing and switching infrastructure is Cisco. If proposing a product other than our existing infrastructure, please provide an explanation of how this will be implemented and work with our existing deployment and any costs required to migrate the network to any non-Cisco standards like OSPF. If certification or training is required to utilize the new equipment, please provide a cost per employee for training and certification.

E-Rate Description: Cisco 2960X-48LPS-L or equivalent that provides close to 48 ports, and includes at least 2 1Gb Fiber modules and possibly 2 1G Ethernet modules, and additionally supports POE IEEE 802.3af (up to 15.4W) on 24 ports and can support up to 12 ports with 802.3at/POE+ (up to 30W)

Qty Requested = 1

Vendor Selection

| | | | | |
|-----------------------------|-----------------|-----|---|---------------|
| Base Hardware Qty | Make/Model/Desc | | | Unit Price \$ |
| Add'l Hardware Qty | Make/Model/Desc | | | Unit Price \$ |
| Add'l Hardware Qty | Make/Model/Desc | | | Unit Price \$ |
| Add'l Hardware Qty | Make/Model/Desc | | | Unit Price \$ |
| Project Labor Total Cost \$ | Or | Qty | X | Unit Price \$ |

Notes:

Section Total \$

Check here if additional information is attached.