

**ESTIMATED COST PER  
SMALL SCHOOL**



COMMONWEALTH OF PUERTO RICO DEPARTMENT OF EDUCATION  
Request for Proposal for E-Rate FY2012 Internal Connections  
RFP No: SF (OC) 2011-017

DATE: 03/09/2012  
QUOTE: DOE-ERATE  
CUSTOMER #: DOE

ESTIMATED PRICE PER SMALL SCHOOL						
Equipment	Manufacturer	Part No.	Description	Qty	Unit Price	Extended Price

ELEGIBLE PRODUCTS						
Category 6 Cabling Drop	Siemon Company	9C6R4E2-06-RXA MX6-F02VP MX-FP-S-02-02 MX-SM2-02 MC6-05-06B MC6-10-06B	Category 6 UTP, 4-pair solid conductor cable; Labelled and Certified to EIA/TIA Standards; 5' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from Patch Panel to Switch; 10' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from wall plate to network device; Wall Plate or surface mount outlet; Category 6 RJ45 Jack Insert. Conduits and Plastic Raceways will be billed separately based on necessity and the price included in the options sheet.	20	\$ 115.00	\$ 2,300.00
Concentrator Box	Great Lakes	GL36WM	36" Wall-mount Cabinet w/ grounding bar and 6 AWG green conductor cable to building ground.	2	\$ 720.00	\$ 1,440.00
Patch Panel	Siemon Company	HD6-24	Category 6 24 Port Patch Panel	2	\$ 115.00	\$ 230.00
Wire Mgmt. Panel	Siemon Company	RS3-RWM-2	Horizontal Wire Management Panel	2	\$ 50.00	\$ 100.00
Switches	Dell	PowerConnect 6248P	Dell™ PowerConnect™ 6248 48 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports Power over Ethernet: Up to 15.4 watts per port (External power supply (EPS-470) to supply a full 15.4 watt on all 48 ports.) 4 SFP combo ports for fiber media support 10 Gigabit Ethernet uplink modules (optional) 48Gbps Stacking module (optional) Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX Port mirroring Flow-based port mirroring Broadcast storm control sFlow iSCSI Auto Configuration	2	\$ 1,195.00	\$ 2,390.00
UPS	Tripplite	SMART3000RML2U	Tripplite SmartPro 3kVA Line Interactive Sine Wave UPS, 2880 watts, 2U Rack, USB, Serial, EPO, 120V	2	\$ 790.00	\$ 1,580.00
<b>Elegible Products Total:</b>						<b>\$8,040.00</b>

INELEGIBLE PRODUCTS						
Management Module	Tripplite	SNMPWEBCARD	SNMPWEBCARD for UPS Remote Monitoring & Control	2	\$ 165.00	\$ 330.00
<b>Ineligible Products Total:</b>						<b>\$330.00</b>

SHIPMENT: ITEMS INCLUDE SHIPPING, DELIVERY & INSTALLATION  
WARRANTY: CABLING MATERIAL 20YRS, ALL OTHER 3 YRS ONSITE  
PLEASE REFER ALL INQUIRIES TO JOSÉ AQUINO AT 787-772-6368

**ESTIMATED COST PER  
MEDIUM SCHOOL**



COMMONWEALTH OF PUERTO RICO DEPARTMENT OF EDUCATION  
Request for Proposal for E-Rate FY2012 Internal Connections  
RFP No: SF (OC) 2011-017

DATE: 03/09/2012  
QUOTE: DOE-ERATE  
CUSTOMER #: DOE

ESTIMATED PRICE PER MEDIUM SCHOOL						
Equipment	Manufacturer	Part No.	Description	Qty	Unit Price	Extended Price
<b>ELEGIBLE PRODUCTS</b>						
Category 6 Cabling Drop	Siemon Company	9C6R4E2-06-RXA MX6-F02VP MX-FP-S-02-02 MX-SM2-02 MC6-05-06B MC6-10-06B	Category 6 UTP, 4-pair solid conductor cable; Labeled and Certified to EIA/TIA Standards; 5' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from Patch Panel to Switch; 10' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from wall plate to network device; Wall Plate or surface mount outlet; Category 6 RJ45 Jack Insert. Conduits and Plastic Raceways will be billed separately based on necessity and the price included in the options sheet.	50	\$ 115.00	\$ 5,750.00
Concentrator Box	Great Lakes	GL36WM	36" Wall-mount Cabinet w/ grounding bar and 6 AWG green conductor cable to building ground.	5	\$ 720.00	\$ 3,600.00
Patch Panel	Siemon Company	HD6-24	Category 6 24 Port Patch Panel	5	\$ 115.00	\$ 575.00
Wire Mgmt. Panel	Siemon Company	RS3-RWM-2	Horizontal Wire Management Panel	5	\$ 50.00	\$ 250.00
Switches	Dell	PowerConnect 6248P	Dell™ PowerConnect™ 6248 48 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports Power over Ethernet: Up to 15.4 watts per port (External power supply (EPS-470) to supply a full 15.4 watt on all 48 ports.) 4 SFP combo ports for fiber media support 10 Gigabit Ethernet uplink modules (optional) 48Gbps Stacking module (optional) Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX Port mirroring Flow-based port mirroring Broadcast storm control sFlow iSCSI Auto Configuration	5	\$ 1,195.00	\$ 5,975.00
UPS	TrippLite	SMART3000RML2U	TrippLite SmartPro 3kVA Line Interactive Sine Wave UPS, 2880 watts, 2U Rack, USB, Serial, EPO, 120V	5	\$ 790.00	\$ 3,950.00
					<b>Elegible Products Total:</b>	<b>\$20,100.00</b>

<b>INELEGIBLE PRODUCTS</b>						
Equipment	Manufacturer	Part No.	Description	Qty	Unit Price	Extended Price
Management Module	TrippLite	SNMPWEBCARD	SNMPWEBCARD for UPS Remote Monitoring & Control	5	\$ 165.00	\$ 825.00
					<b>Ineligible Products Total:</b>	<b>\$825.00</b>

SHIPMENT: ITEMS INCLUDE SHIPPING, DELIVERY & INSTALLATION  
WARRANTY: CABLING MATERIAL 20YRS, ALL OTHER 3 YRS ONSITE  
PLEASE REFER ALL INQUIRIES TO JOSÉ AQUINO AT 787-772-6368

**ESTIMATED COST PER  
LARGE SCHOOL**



COMMONWEALTH OF PUERTO RICO DEPARTMENT OF EDUCATION  
Request for Proposal for E-Rate FY2012 Internal Connections  
RFP No: SF (OC) 2011-017

DATE: 03/09/2012  
QUOTE: DOE-ERATE  
CUSTOMER #: DOE

ESTIMATED PRICE PER LARGE SCHOOL						
Equipment	Manufacturer	Part No.	Description	Qty	Unit Price	Extended Price
<b>ELEGIBLE PRODUCTS</b>						
Category 6 Cabling Drop	Siemon Company	9C6R4E2-06-RXA MX6-F02VP MX-FP-S-02-02 MX-SM2-02 MC6-05-06B MC6-10-06B	Category 6 UTP, 4-pair solid conductor cable; Labelled and Certified to EIA/TIA Standards; 5' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from Patch Panel to Switch; 10' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from wall plate to network device; Wall Plate or surface mount outlet; Category 6 RJ45 Jack Insert. Conduits and Plastic Raceways will be billed separately based on necessity and the price included in the options sheet.	115	\$ 115.00	\$ 13,225.00
Concentrator Box	Great Lakes	GL36WM	36" Wall-mount Cabinet w/ grounding bar and 6 AWG green conductor cable to building ground.	20	\$ 720.00	\$ 14,400.00
Patch Panel	Siemon Company	HD6-24	Category 6 24 Port Patch Panel	20	\$ 115.00	\$ 2,300.00
Wire Mgmt. Panel	Siemon Company	RS3-RWM-2	Horizontal Wire Management Panel	20	\$ 50.00	\$ 1,000.00
Switches	Dell	PowerConnect 6248P	Dell™ PowerConnect™ 6248 48 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports Power over Ethernet: Up to 15.4 watts per port (External power supply (EPS-470) to supply a full 15.4 watt on all 48 ports.) 4 SFP combo ports for fiber media support 10 Gigabit Ethernet uplink modules (optional) 48Gbps Stacking module (optional) Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX Port mirroring Flow-based port mirroring Broadcast storm control sFlow iSCSI Auto Configuration	20	\$ 1,195.00	\$ 23,900.00
UPS	Tripplite	SMART3000RML2U	Tripplite SmartPro 3kVA Line Interactive Sine Wave UPS, 2880 watts, 2U Rack, USB, Serial, EPO, 120V	20	\$ 790.00	\$ 15,800.00
<b>Elegible Products Total:</b>						<b>\$70,625.00</b>
<b>INELEGIBLE PRODUCTS</b>						
Management Module	Tripplite	SNMPWEBCARD	SNMPWEBCARD for UPS Remote Monitoring & Control	20	\$ 165.00	\$ 3,300.00
<b>Ineligible Products Total:</b>						<b>\$3,300.00</b>

SHIPMENT: ITEMS INCLUDE SHIPPING, DELIVERY & INSTALLATION  
WARRANTY: CABLING MATERIAL 20YRS, ALL OTHER 3 YRS ONSITE  
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**ESTIMATED COST FOR  
ALL SMALL SCHOOL**



COMMONWEALTH OF PUERTO RICO DEPARTAMENT OF EDUCATION  
Request for Proposal for E-Rate FY2012 Internal Connections  
RFP No: SF (OC) 2011-017

DATE: 03/09/2012  
QUOTE: DOE-ERATE  
CUSTOMER #: DOE

**ESTIMATED PRICE FOR ALL SMALL SCHOOLS = 250**

Equipment	Manufacturer	Part No.	Description	Qty	Unit Price	Extended Price
<b>ELEGIBLE PRODUCTS</b>						
Category 6 Cabling Drop	Siemon Company	9C6R4E2-06-RXA MX6-F02VP MX-FP-S-02-02 MX-SM2-02 MC6-05-06B MC6-10-06B	Category 6 UTP, 4-pair solid conductor cable; Labelled and Certified to EIA/TIA Standards; 5' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from Patch Panel to Switch; 10' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from wall plate to network device; Wall Plate or surface mount outlet; Category 6 RJ45 Jack Insert. Conduits and Plastic Raceways will be billed separately based on necessity and the price included in the options sheet.	5,000	\$ 115.00	\$ 575,000.00
Concentrator Box	Great Lakes	GL36WVM	36" Wall-mount Cabinet w/ grounding bar and 6 AWG green conductor cable to building ground.	500	\$ 720.00	\$ 360,000.00
Patch Panel	Siemon Company	HD6-24	Category 6 24 Port Patch Panel	500	\$ 115.00	\$ 57,500.00
Wire Mgmt. Panel	Siemon Company	RS3-RWM-2	Horizontal Wire Management Panel	500	\$ 50.00	\$ 25,000.00
Switches	Dell	PowerConnect 6248P	Dell™ PowerConnect™ 6248 48 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports Power over Ethernet: Up to 15.4 watts per port (External power supply (EPS-470) to supply a full 15.4 watt on all 48 ports.) 4 SFP combo ports for fiber media support 10 Gigabit Ethernet uplink modules (optional) 48Gbps Stacking module (optional) Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX Port mirroring Flow-based port mirroring Broadcast storm control sFlow iSCSI Auto Configuration	500	\$ 1,195.00	\$ 597,500.00
UPS	Triplite	SMART3000RML2U	Triplite SmartPro 3kVA Line Interactive Sine Wave UPS, 2880 watts, 2U Rack, USB, Serial, EPO, 120V	500	\$ 790.00	\$ 395,000.00
<b>Elegible Products Total:</b>						<b>\$2,010,000.00</b>

<b>INELEGIBLE PRODUCTS</b>						
Management Module	Triplite	SNMPWEBCARD	SNMPWEBCARD for UPS Remote Monitoring & Control	500	\$ 165.00	\$ 82,500.00
<b>Ineligible Products Total:</b>						<b>\$82,500.00</b>

SHIPMENT: ITEMS INCLUDE SHIPPING, DELIVERY & INSTALLATION  
WARRANTY: CABLING MATERIAL 20YRS, ALL OTHER 3 YRS ONSITE  
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**ESTIMATED COST FOR  
ALL MEDIUM SCHOOL**



COMMONWEALTH OF PUERTO RICO DEPARTMENT OF EDUCATION  
Request for Proposal for E-Rate FY2012 Internal Connections  
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DATE: 03/09/2012  
QUOTE: DOE-ERATE  
CUSTOMER #: DOE

ESTIMATED PRICE FOR ALL MEDIUM SCHOOLS = 750

Equipment	Manufacturer	Part No.	Description	Qty	Unit Price	Extended Price
<b>ELEGIBLE PRODUCTS</b>						
Category 6 Cabling Drop	Siemon Company	9C6R4E2-06-RXA MX6-F02VP MX-FP-S-02-02 MX-SM2-02 MC6-05-06B MC6-10-06B	Category 6 UTP, 4-pair solid conductor cable; Labelled and Certified to EIA/TIA Standards; 5' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from Patch Panel to Switch; 10' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from wall plate to network device; Wall Plate or surface mount outlet; Category 6 RJ45 Jack Insert. Conduits and Plastic Raceways will be billed separately based on necessity and the price included in the options sheet.	37,500	\$ 115.00	\$ 4,312,500.00
Concentrator Box	Great Lakes	GL36WM	36" Wall-mount Cabinet w/ grounding bar and 6 AWG green conductor cable to building ground.	3750	\$ 720.00	\$ 2,700,000.00
Patch Panel	Siemon Company	HD6-24	Category 6 24 Port Patch Panel	3750	\$ 115.00	\$ 431,250.00
Wire Mgmt. Panel	Siemon Company	RS3-RWM-2	Horizontal Wire Management Panel	3750	\$ 50.00	\$ 187,500.00
Switches	Dell	PowerConnect 6248P	Dell™ PowerConnect™ 6248 48 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports Power over Ethernet: Up to 15.4 watts per port (External power supply (EPS-470) to supply a full 15.4 watt on all 48 ports.) 4 SFP combo ports for fiber media support 10 Gigabit Ethernet uplink modules (optional) 48Gbps Stacking module (optional) Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX Port mirroring Flow-based port mirroring Broadcast storm control sFlow iSCSI Auto Configuration	3750	\$ 1,195.00	\$ 4,481,250.00
UPS	Tripplite	SMART3000RML2U	Tripplite SmartPro 3kVA Line Interactive Sine Wave UPS, 2880 watts, 2U Rack, USB, Serial, EPO, 120V	3750	\$ 790.00	\$ 2,962,500.00
<b>Elegible Products Total:</b>						<b>\$15,075,000.00</b>

<b>INELEGIBLE PRODUCTS</b>						
Management Module	Tripplite	SNMPWEBCARD	SNMPWEBCARD for UPS Remote Monitoring & Control	3750	\$ 165.00	\$ 618,750.00
<b>Ineligible Products Total:</b>						<b>\$618,750.00</b>

SHIPMENT: ITEMS INCLUDE SHIPPING, DELIVERY & INSTALLATION  
WARRANTY: CABLING MATERIAL 20YRS, ALL OTHER 3 YRS ONSITE  
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**ESTIMATED COST FOR  
ALL LARGE SCHOOL**



COMMONWEALTH OF PUERTO RICO DEPARTMENT OF EDUCATION  
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DATE: 03/09/2012  
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CUSTOMER #: DOE

**ESTIMATED PRICE FOR ALL LARGE SCHOOLS = 500**

Equipment	Manufacturer	Part No.	Description	Qty	Unit Price	Extended Price
<b>ELEGIBLE PRODUCTS</b>						
Category 6 Cabling Drop	Siemon Company	9C6R4E2-06-RXA MX6-F02VP MX-FP-S-02-02 MX-SM2-02 MC6-05-06B MC6-10-06B	Category 6 UTP, 4-pair solid conductor cable; Labelled and Certified to EIA/TIA Standards; 5' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from Patch Panel to Switch; 10' Category 6 RJ45-RJ45 Hi-Flex Stranded Patch cables from wall plate to network device; Wall Plate or surface mount outlet; Category 6 RJ45 Jack Insert. Conduits and Plastic Raceways will be billed separately based on necessity and the price included in the options sheet.	57,500	\$ 115.00	\$ 6,612,500.00
Concentrator Box	Great Lakes	GL36WMM	36" Wall-mount Cabinet w/ grounding bar and 6 AWG green conductor cable to building ground.	10000	\$ 720.00	\$ 7,200,000.00
Patch Panel	Siemon Company	HD6-24	Category 6 24 Port Patch Panel	10000	\$ 115.00	\$ 1,150,000.00
Wire Mgmt. Panel	Siemon Company	RS3-RWM-2	Horizontal Wire Management Panel	10000	\$ 50.00	\$ 500,000.00
Switches	Dell	PowerConnect 6248P	Dell™ PowerConnect™ 6248 48 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports Power over Ethernet: Up to 15.4 watts per port (External power supply (EPS-470) to supply a full 15.4 watt on all 48 ports.) 4 SFP combo ports for fiber media support 10 Gigabit Ethernet uplink modules (optional) 48Gbps Stacking module (optional) Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX Port mirroring Flow-based port mirroring Broadcast storm control sFlow iSCSI Auto Configuration	10000	\$ 1,195.00	\$ 11,950,000.00
UPS	Tripplite	SMART3000RML2U	Tripplite SmartPro 3kVA Line Interactive Sine Wave UPS, 2880 watts, 2U Rack, USB, Serial, EPO, 120V	10000	\$ 790.00	\$ 7,900,000.00
<b>Elegible Products Total:</b>						<b>\$35,312,500.00</b>

<b>INELEGIBLE PRODUCTS</b>						
Management Module	Tripplite	SNMPWEBCARD	SNMPWEBCARD for UPS Remote Monitoring & Control	10000	\$ 165.00	\$ 1,650,000.00
<b>Ineligible Products Total:</b>						<b>\$1,650,000.00</b>

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WARRANTY: CABLING MATERIAL 20YRS, ALL OTHER 3 YRS ONSITE  
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**DOE CENTRAL OFFICE  
AND TERMINAL SERVERS**



COMMONWEALTH OF PUERTO RICO DEPARTMENT OF EDUCATION  
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DATE: 03/09/2012  
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CUSTOMER #: DOE

DOE CENTRAL OFFICE						
Equipment	Manufacturer	Part No.	Description	Qty	Unit Price	Extended Price
<b>ELEGIBLE PRODUCTS</b>						
Switches	Dell	PowerConnect 6248P	Dell™ PowerConnect™ 6248 48 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports Power over Ethernet: Up to 15.4 watts per port (External power supply (EPS-470) to supply a full 15.4 watt on all 48 ports.) 4 SFP combo ports for fiber media support 10 Gigabit Ethernet uplink modules (optional) 48Gbps Stacking module (optional) Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX Port mirroring Flow-based port mirroring Broadcast storm control sFlow iSCSI Auto Configuration	150	\$1,195.00	\$179,250.00
GBIC	Dell	GESFP	Gigabit Ethernet SFP, LC connector, SX transceiver	300	\$50.00	\$15,000.00
Fiber Optic Patch Cord	Siemon Company	LC-LC PATCH CORD	Fiber Optic Patch Cord LC-LC Multimode	300	\$60.00	\$18,000.00
Access Point	Cisco Systems	AIR-AP1041N-A-K9	Cisco Aironet 1041-N Series Access Point Enterprise-class, 802.11n access point designed to address enterprise wireless connectivity needs.	10	\$335.00	\$3,350.00
UPS	Triplite	SMART3000RML2U	Triplite SmartPro 3kVA Line Interactive Sine Wave UPS, 2880 watts, w/ 2U Rack, USB, Serial, EPO, 120V	20	\$790.00	\$15,800.00
	SESCO		DOE Central office hardware and equipment includes installation and configuration services as per installation requirements in Section 6.2	1	\$10,000.00	Included
<b>Elegible Products Total:</b>						<b>\$52,150.00</b>
<b>INELEGIBLE PRODUCTS</b>						
Management Module	Triplite	SNMPWEBCARD	SNMPWEBCARD for UPS Remote Monitoring & Control	20	\$165.00	\$3,300.00
<b>Ineligible Products Total:</b>						<b>\$3,300.00</b>
<b>Terminal Servers</b>						
Server	Dell Computers	PET110	PowerEdge T110 II Chassis with Cabled 3.5 Hard Drives 8GB Memory 1333MHz Single Ranked UDIMM Intel Pentium G620 2.60 GHz, Dual Core (65W) (2) 500GB 7.2k RPM Serial ATA 3Gbps 3.5-in Cabled Hard Drive 16X DVD-ROM, SATA, INTERNAL PERC S100 supporting 2 Hard Drives - RAID 1	750	\$995.00	\$746,250.00
	SESCO		Installation and Configuration services as per installation requirements in Section 6.2	750	\$150.00	\$112,500.00
<b>Elegible Products Total:</b>						<b>\$858,750.00</b>

SHIPMENT: ITEMS INCLUDE SHIPPING, DELIVERY & INSTALLATION  
WARRANTY: CABLING MATERIAL 20YRS, ALL OTHER 3 YRS ONSITE  
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