

STATE OF WEST VIRGINIA

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WV PURCHASING
DIVISION



DEPT OF ADMINISTRATION, PURCHASING DIVISION
REQUEST FOR QUOTE #CRFQ 0803 DOT2400000021

BY

A handwritten signature in blue ink, appearing to read "Bill Carter", written over a horizontal line.

Bill Carter, President

R Associates Inc. (RAI)

1080 W Sam Houston Parkway N #115

Houston, TX 77043

Phone: 800.635.0909

email: bill@r-associates.com



R Associates Inc.

1080 W Sam Houston Pkwy N #115

Houston, TX 77043

(800) 635-0909

sales@r-associates.com

High Performance Computing | Networking | Data Center Maintenance | Cloud Hosting



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Info Technology

Proc Folder: 1298398	Reason for Modification:
Doc Description: WVDOT Networking Equipment (81240012)	
Proc Type: Central Purchase Order	

Date Issued	Solicitation Closes	Solicitation No	Version
2023-09-28	2023-10-12 13:30	CRFQ 0803 DOT2400000021	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : R Associates Inc.

Address : 1080 W Sam Houston Parkway N
Street : Suite 115
City : Houston
State : TX **Country :** USA **Zip :** 77043

Principal Contact : Bill Carter

Vendor Contact Phone: 800.635.0909 **Extension:** 1

FOR INFORMATION CONTACT THE BUYER
 John W Estep
 304-558-2566
 john.w.estep@wv.gov

Vendor Signature X 

FEIN# 74-1932228 **DATE** 10/11/2023

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

REQUEST FOR QUOTATION:

The West Virginia Purchasing Division is soliciting bids on behalf of the Department of Transportation for a one-time purchase of Networking equipment - Routers, Switches and various components. Per the Bid Requirements, Specifications, Terms and Conditions attached to this solicitation.

INVOICE TO	SHIP TO
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DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Cisco ISR 1101 4 Ports GE Ethernet WAN Router or equal	1.00000	EA	880.00	880.00

Comm Code	Manufacturer	Specification	Model #
43222609	Cisco	Cisco ISR 1101 4 Ports GE Ethernet WAN Router	CP1101-4P

Extended Description:

3.1.1 Cisco ISR 1101 4 Ports GE Ethernet WAN Router, part CP1101-4P or equal

INVOICE TO	SHIP TO
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DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Extr Ntwk 16x10/100/1000Base-T Ethernet Switch POE+ or equal	10.00000	EA	2785.00	27850.00

Comm Code	Manufacturer	Specification	Model #
43222612	Extreme Networks	Extreme Networks 16x10/100/1000Base-T Ethernet Switch POE+	5320-16P-4XE

Extended Description:

3.2.1 Extreme Networks 16x10/100/1000Base-T Ethernet Switch POE+, part 5320-16P-4XE or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Extr Ntwk 24x10/100/1000Base-T Ethernet Switch POE+ or equal	10.00000	EA	3065.00	30650.00

Comm Code	Manufacturer	Specification	Model #
43222612	Extreme Networks	24x10/100/1000Base-T Ethernet Switch POE+	5320-24P-8XE

Extended Description:
3.2.2 Extreme Networks
24x10/100/1000Base-T Ethernet Switch POE+, part 5320-24P-8XE or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Extr Ntwk 48x10/100/1000Base-T Ethernet Switch POE+ or equal	10.00000	EA	5140.00	51400.00

Comm Code	Manufacturer	Specification	Model #
43222612	Extreme Networks	48x10/100/1000Base-T Ethernet Switch POE+	5320-48P-8XE

Extended Description:
3.2.3 Extreme Networks
48x10/100/1000Base-T Ethernet Switch POE+, part 5320-48P-8XE or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	Extreme Networks 5420M Universal Switch - 24 Port or equal	1.00000	EA	4215.00	4215.00

Comm Code	Manufacturer	Specification	Model #
43222612	Extreme Networks	5420M Universal Switch - 24 Port	5420M-24W-4YE

Extended Description:
3.2.4 Extreme Networks 5420M Universal Switch - 24 Port, part 5420M-24W-4YE or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	Extreme Networks 5420M Universal Switch - 48 Port or equal	65.00000	EA	6700.00	435500.00

Comm Code	Manufacturer	Specification	Model #
43222612	Extreme Networks	5420M Universal Switch - 48 Port	5420M-48W-4YE

Extended Description:
3.2.5 Extreme Networks 5420M Universal Switch - 48 Port, part 5420M-48W-4YE or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	Extr Ntwk 5420M Univ Switch 48 Port (16 POE 90W) or equal	8.00000	EA	5520.00	44160.00

Comm Code	Manufacturer	Specification	Model #
43222612	Extreme Networks	5420M Universal Switch - 48P (16 POE/32 POW)	5420M-16W-32P-4YE

Extended Description:

3.2.6 Extreme Networks 5420M Universal Switch - 48 Port (16 POE 90W Multi-rate/32 POW 30W), part 5420M-16W-32P-4YE or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	Networks Power Cord, 15A, USA, NEMA 5-15, IEC320-C15 or equal	54.00000	EA	8.60	464.40

Comm Code	Manufacturer	Specification	Model #
43222500	Gigatech	Power Cord, 15A, USA, NEMA 5-15, IEC320-C15	10099-GT

Extended Description:

3.3.1 Networks Power Cord, 15A, USA, NEMA 5-15, IEC320-C15, part 10099 or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	Proline- pwr ext cable- IEC 60320 C15 to IEC 60320 C14 or eq	104.00000	EA	10.70	1112.80

Comm Code	Manufacturer	Specification	Model #
43222500	Gigatech	IEC-C14 to IEC-C15 15A/250V Power Cord Black- 6FT	GT-C14-C15-152-K6F

Extended Description:

3.3.2 Proline - power extension cable - IEC 60320 C15 to IEC 60320 C14 - 6 ft, part PRO-C142C1514AWG6FT or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	Extreme Switching Power Supply - AC - 920 Watt or equal	148.00000	EA	1035.00	153180.00

Comm Code	Manufacturer	Specification	Model #
43222500		Extreme Switching Power Supply - AC - 920 Watt	XN-ACPWR-920W

Extended Description:

3.3.3 Extreme Switching Power Supply - AC - 920 Watt, part XN-ACPWR-920W or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	Extreme Networks 20GBase direct attach cable- 0.5 m or equal	64.00000	EA	285.00	18240.00

Comm Code	Manufacturer	Specification	Model #
26121609	Extreme Networks	20GBase direct attach cable - 0.5 m	20G-DACP-SFPDDZ5M

Extended Description:

3.3.4 Extreme Networks 20GBase direct attach cable - 0.5 m, part 20G-DACP-SFPDDZ5M or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	Extreme Networks 20GBase direct attach cable- 3 m or equal	12.00000	EA	480.00	5760.00

Comm Code	Manufacturer	Specification	Model #
26121609	Extreme Networks	20GBase direct attach cable - 3 m	20G-DACP-SFPDD3M

Extended Description:

3.3.5 Extreme Networks 20GBase direct attach cable - 3 m, part 20G-DACP-SFPDD3M or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	Extreme Networks 20GBase direct attach cable- 1 m or equal	2.00000	EA	315.00	630.00

Comm Code	Manufacturer	Specification	Model #
26121609	Extreme Networks	20GBase direct attach cable - 1 m	20G-DACP-SFPDD1M

Extended Description:

3.3.6 Extreme Networks 20GBase direct attach cable - 1 m, part 20G-DACP-SFPDD1M or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
14	Extreme Networks - SFP+ transceiver module- 10 GigE or equal	24.00000	EA	17.10	410.40

Comm Code	Manufacturer	Specification	Model #
43222500	Gigatech	10GBase-SR SFP+ 850nm Extreme Networks Compatible	10301-GT

Extended Description:

3.3.7 Extreme Networks - SFP+ transceiver module - 10 GigE, part 10301 or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON US	WV	CHARLESTON US	WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
15	Ext Ntwrk 10302 Compatible 10GBASE-LR SFP + Transceiver or eq	16.00000	EA	27.80	444.80

Comm Code	Manufacturer	Specification	Model #
43222500	Gigatech	10GBASE-LR SFP+ 1310nm 10km Extreme Networks Compatible	10302-GT

Extended Description:

3.3.8 Extreme Networks 10302 Compatible 10GBASE-LR SFP+ Transceiver Module, part 10302 or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON US	WV	CHARLESTON US	WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
16	Ext Ntwk 10051H Compatible 1000BASE-SX SFP Transceiver or eq	5.00000	EA	13.90	69.50

Comm Code	Manufacturer	Specification	Model #
43222500	Gigatech	1000BASE-SX SFP 275M Hi Temp Extreme Networks Compatible	10051H-GT

Extended Description:

3.3.9 Extreme Networks 10051H Compatible 1000BASE-SX SFP Transceiver Module, part 10051H or equal

INVOICE TO		SHIP TO	
DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720		DEPT. OF TRANSPORTATION 1900 KANAWHA BLVD E, BLD. 5 RM-720	
CHARLESTON US	WV	CHARLESTON US	WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
17	Ext Ntwk 10052H Compatible 1000BASE-LX SFP Transceiver or eq	3.00000	EA	16.00	48.00

Comm Code	Manufacturer	Specification	Model #
43222500	Gigatech	1000BASE-LX SFP 10KM Hi Temp Extreme Networks Compatible	10052H-GT

Extended Description:

3.3.10 Extreme Networks 10052H Compatible 1000BASE-LX SFP Transceiver Module, part 10052H or equal

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Tech Questions due by 10:00am	2023-10-06

	Document Phase	Document Description	Page 11
DOT2400000021	Final	WV DOT Networking Equipment (81240012)	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

EXHIBIT A - PRICING PAGE
LOCATION - BUILDING 5, ROOM A-720 CHARLESTON, WV 25305

Specifications Reference	Contract Item Number	Description	Part Number or Equal	Quantity	Unit Cost	Extended Price Total
3.1.1	#1	Cisco ISR 1101 4 Ports GE Ethernet WAN Router or equal	C1101-4P or equal	1	\$880.00	\$880.00
3.2.1	#2	Extreme Networks 16x10/100/1000Base-T Ethernet Switch POE+ or equal	5320-16P-4XE or equal	10	\$2,785.00	\$27,850.00
3.2.2	#3	Extreme Networks 24x10/100/1000Base-T Ethernet Switch POE+ or equal	5320-24P-8XE or equal	10	\$3,065.00	\$30,650.00
3.2.3	#4	Extreme Networks 48x10/100/1000Base-T Ethernet Switch POE+ or equal	5320-48P-8XE or equal	10	\$5,140.00	\$51,400.00
3.2.4	#5	Extreme Networks 5420M Universal Switch - 24 Port or equal	5420M-24W-4YE or equal	1	\$4,215.00	\$4,215.00
3.2.5	#6	Extreme Networks 5420M Universal Switch - 48 Port or equal	5420M-48W-4YE or equal	65	\$6,700.00	\$435,500.00
3.2.6	#7	Extreme Networks 5420M Universal Switch - 48 Port (16 POE 90W Multi-rate/32 POW 30W) or equal	5420M-16W-32P-4YE or equal	8	\$5,520.00	\$44,160.00
3.3.1	#8	Networks Power Cord, 15A, USA, NEMA 5-15, IEC320-C15 or equal	10099 or equal	54	\$8.60	\$464.40
3.3.2	#9	Proline - power extension cable - IEC 60320 C15 to IEC 60320 C14 - 6 ft or equal	PRO-C142C1514AWG6FT or equal	104	\$10.70	\$1,112.80
3.3.3	#10	Extreme Switching Power Supply - AC - 920 Watt or equal	XN-ACPWR-920W or equal	148	\$1,035.00	\$153,180.00
3.3.4	#11	Extreme Networks 20GBase direct attach cable - 0.5 m or equal	20G-DACP-SFPDDZ5M or equal	64	\$285.00	\$18,240.00
3.3.5	#12	Extreme Networks 20GBase direct attach cable - 3 m or equal	20G-DACP-SFPDD3M or equal	12	\$480.00	\$5,760.00
3.3.6	#13	Extreme Networks 20GBase direct attach cable - 1 m or equal	20G-DACP-SFPDD1M or equal	2	\$315.00	\$630.00
3.3.7	#14	Extreme Networks - SFP+ transceiver module - 10 GigE or equal	10301 or equal	24	\$17.10	\$410.40
3.3.8	#15	Extreme Networks 10302 Compatible 10GBASE-LR SFP+ Transceiver Module or equal	10302 or equal	16	\$27.80	\$444.80
3.3.9	#16	Extreme Networks 10051H Compatible 1000BASE-SX SFP Transceiver Module or equal	10051H or equal	5	\$13.90	\$69.50
3.3.10	#17	Extreme Networks 10052H Compatible 1000BASE-LX SFP Transceiver Module or equal	10052H or equal	3	\$16.00	\$48.00

\$775,014.90

The Pricing Pages contain a list of the Contract Items and quantities to be purchased.
 Unit Costs must include pricing for the specified Contract Item # and its mandatory components as detailed in Exhibit B Specifications.

Vendor Signature _____