

Request for Proposal

February 25, 2021

Form 470 Application #: **210026433**

IRON MOUNTAIN PUBLIC SCHOOLS
217 Izzo-Mariucci Way
Iron Mountain, MI 49801
906-779-2600

Network Upgrade Project 2021

NOTICE TO BIDDERS

The Iron Mountain Public Schools District is accepting bids for its wireless access points for Iron Mountain High School, North Elementary, Central Middle School, East Elementary, and Iron Mountain Kingsford Community Schools. The Iron Mountain Public Schools District is also accepting bids on a layer 3 network switch for Iron Mountain High School, Central Middle School, and East Elementary. The Iron Mountain Public Schools District is also accepting bids on battery backup units for Iron Mountain High School, North Elementary, Central Middle School, East Elementary, and Iron Mountain Kingsford Community Schools. The Iron Mountain Public Schools District is also accepting bids for replacement wireless access points in the Iron Mountain High School, Central Middle School, and East Elementary. Bids must be received on or before Thursday, March 25, 2021 at 2 p.m. local time (2 p.m. CST). Bids may be submitted by mail at the above address or E-mail to reathb@imschools.org.

Bid Specifications are available on our website at <http://www.imschools.org/technology.html> or can be obtained from Benjamin Reath, Director of Technology, Iron Mountain Public Schools, 217 Izzo-Mariucci Way, Iron Mountain, MI 49801.

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Benjamin Reath
Director of Technology
reathb@imschools.org
906-779-7729

Requirements

The purpose of this project is to upgrade our network infrastructure by modernizing aging core network hardware, extending current wireless access point licensing, expanding and maintaining our battery backup capacity to meet the power needs for our school network, and modernizing our wireless access points. Our wireless infrastructure has standardized on Meraki. Our core network infrastructure has standardized on HP/Aruba.

This project is broken down into four separate sections:

Section 1 - Meraki 5-year Enterprise Cloud Controller License Renewal

Section 2 - Network Switches (Aruba) and Transceivers

Section 3 - Battery Backup Solutions

Section 4 - Wireless Access Point Upgrades

Vendors may bid on one or more sections. Each section will be awarded individually. Actual quantities purchased may vary from the bid, depending upon the overall budget. Iron Mountain Public Schools reserves the right to cancel portions or the entire project depending on available funding.

Section 1 - Meraki 5-year Enterprise Cloud Controller License Renewal

- Maximum of eighty-five (85) Meraki Enterprise Cloud Controller five-year licenses

Section 2 - Network Switches (Aruba) and Transceivers

This section includes the Ethernet switches to provide gigabit or faster PoE connectivity.

- One (1) HP 6300 M JL658A equivalent or better
 - Maximum of Six (6) single-mode 1G fiber transceivers for the HP 6300M JL658A equivalent or better
 - Maximum of Six (6) single-mode 10G fiber transceivers for the HP 6300M JL658A equivalent or better
 - Maximum of Six (6) multi-mode 1G fiber transceivers for the HP 6300M JL658A equivalent or better
 - Maximum of Six (6) multi-mode 10G fiber transceivers for the HP 6300M JL658A equivalent or better

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- Ten (10) RJ-45 copper transceivers for the HP 6300M JL658A equivalent or better
- Preference will be given to a model with a redundant power supply included with the switch
- Maximum of Six (6) HP 2540 48G equivalent or better
 - Maximum of Six (6) single-mode 10G fiber transceivers for the HP 2540 48G equivalent or better
 - Maximum of Six (6) multi-mode 10G fiber transceivers for the HP 2540 48G equivalent or better
 - Maximum of Sixteen (16) RJ-45 copper transceivers for the HP 2540 48G equivalent or better

Section 3 - Battery Backup Solutions

Project includes:

- APC APCRBC117 replacement battery cartridges for One (1) APC SMX2000RMLV2UNC, equivalent or better
- APC APCRBC117 replacement battery cartridges for Five (5) APC SMX2000RMLV2U UPS, equivalent or better
- APC APCRBC118 replacement batteries for Four (4) APC SMX120RMBP2U External Battery Packs, equivalent or better
- APC APCRBC116 replacement batteries for Three (3) APC SMX750 UPS, equivalent or better
- Four (4) APC BN450M, equivalent or better
- One (1) APC SMX3000LVNC, equivalent or better

Section 4 - Wireless Access Point Upgrades

- Maximum of thirty (30) Meraki MR-44, equivalent or better
- Maximum of five (5) Meraki MR-46, equivalent or better
- Must be able to integrate within our existing Meraki network

Universal Service Fund (eRate):

The Iron Mountain Public School District will apply for Universal Service Fund monies to cover approximately 80% of this project. This project is contingent on receiving eRate funding. Bidders must be an approved service provider and include their SPIN number with their bid. The USAC website can be found at: <http://www.usac.org/e-rate/>.

Project Timing:

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Vendors will be notified on March 25, 2021 if they are the successful bidder. The project start dates are contingent on receiving our Funding Commitment Decision Letter (FCDL) from USAC. Vendors shall include a contingency of price increases that will account for project delays.

Staging and Other factors:

Depending upon the total cost of the project and the overall budget, Iron Mountain Public Schools may choose to decrease the number of units purchased or cancel the project entirely. If that is the case, vendors need to be able to scale their proposal accordingly. Vendors will be selected based on their overall bid for the section(s) to which they are applying.

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Project Management/Coordination:

This project is being coordinated by Benjamin Reath, Director of Technology, Iron Mountain Public Schools. Any questions should be directed to his email: reathb@imschools.org or phone: 906-779-7729. For prompt response, email is preferred.

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Request for Quotation

BID FORM

Section 1 - Meraki 5-year Enterprise Cloud Controller License Renewal

ITEM	Description	Qty	Cost/Each	Total
1	Meraki Enterprise Cloud Controller License (5 yr.)	85		
2	Additional Project Costs or Contingency <ul style="list-style-type: none">• Provide Details	Lot		
3	Shipping Costs (to 217 Izzo Mariucci Way, Iron Mountain, MI 49801)	Lot		
			Total:	\$

Estimated delivery time after the order is placed _____ weeks

Section 2 - Network Switches (Aruba) and Transceivers

ITEM	Description	Qty	Cost/Each	Total
1	One (1) Layer 3 Network Switch, HP 6300M JL658A equivalent or better (must include a minimum of 24 SFP+ ports) <ul style="list-style-type: none">• Specify Model: _____	1		
2	Six (6) Single-mode fiber transceivers, Aruba 1GB or Equivalent (Must be compatible with the switch quoted in Item 1) <ul style="list-style-type: none">• Specify Model: _____	6		
3	Six (6) Single-mode fiber transceivers, Aruba 10GB or Equivalent (Must be compatible with the switch quoted in Item 1) <ul style="list-style-type: none">• Specify Model: _____	6		
4	Six (6) Multi-mode fiber transceivers, Aruba 1GB or Equivalent (Must be compatible with the switch quoted in Item 1) <ul style="list-style-type: none">• Specify Model: _____	6		

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5	Six (6) Multi-mode fiber transceivers, Aruba 10GB or Equivalent (Must be compatible with the switch quoted in Item 1) Specify Model: _____	6		
6	Ten (10) RJ-45 copper transceivers for the HP 6300M JL658A equivalent or better <ul style="list-style-type: none"> • Specify Model: _____ 	10		
7	Six (6) HP 2540 48G equivalent or better <ul style="list-style-type: none"> • Specify Model: _____ 	6		
8	Six (6) single-mode fiber transceivers, Aruba 10G or Equivalent (Must be compatible with the switch quoted in Item 7) <ul style="list-style-type: none"> • Specify Model: _____ 	6		
9	Six (6) multi-mode fiber transceivers, Aruba 10G or Equivalent (Must be compatible with the switch quoted in Item 7) <ul style="list-style-type: none"> • Specify Model: _____ 	6		
10	Sixteen (16) RJ-45 Copper Transceivers (Must be compatible with the switch quoted in Item 7) <ul style="list-style-type: none"> • Specify Model: _____ 	20		
11	Additional Project Costs or Contingency <ul style="list-style-type: none"> • Provide Details 	Lot		
12	Shipping Costs (to 217 Izzo Mariucci Way, Iron Mountain, MI 49801)	Lot		
Total:				\$

Estimated delivery time after the order is placed _____ weeks

SECTION 3 – Battery Backup Units

ITEM	Description	Qty	Cost/Each	Total
1	APC APCRBC117 Replacement battery cartridge for APC SMX2000RMLV2UNC UPS, equivalent or better <ul style="list-style-type: none"> • Specify Model: _____ 	1		

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2	APC APCRBC117 Replacement battery cartridge for APC SMX2000RMLV2U UPS, equivalent or better <ul style="list-style-type: none"> ● Specify Model: _____ 	5		
3	APC APCRBC118 Replacement battery for APC SMX120RMBP2U External Battery Pack, equivalent or better <ul style="list-style-type: none"> ● Specify Model: _____ 	4		
4	APC APCRBC116 Replacement battery for APC SMX750 UPS, equivalent or better <ul style="list-style-type: none"> ● Specify Model: _____ 	3		
5	APC SMT750C UPS, equivalent or better <ul style="list-style-type: none"> ● Specify Model: _____ 	4		
6	APC SMX3000LVNC 4U UPS, equivalent or better <ul style="list-style-type: none"> ● Specify Model 	1		
7	Additional Project Costs or Contingency <ul style="list-style-type: none"> ● Provide Details 	Lot		
8	Shipping Costs (to 217 Izzo Mariucci Way, Iron Mountain, MI 49801)	Lot		
TOTAL:				\$

Estimated delivery time after the order is placed _____ weeks

Section 4 - Wireless Access Point Upgrades

ITEM	Description	Qty	Cost/Each	Total
1	Meraki MR-44 Wireless Access Points, equivalent or better <ul style="list-style-type: none"> ● Specify Model: _____ 	30		

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2	Meraki MR-46 Wireless Access Points, equivalent or better <ul style="list-style-type: none"> • Specify Model: _____ 	5		
3	Additional Project Costs or Contingency <ul style="list-style-type: none"> • Provide Details 	Lot		
4	Shipping Costs (to 217 Izzo Mariucci Way, Iron Mountain, MI 49801)	Lot		
TOTAL:				\$

Estimated delivery time after the order is placed _____ weeks