E-RATE YEAR 2016-2017
Request for Proposal
Wireless Access Points and Control for
Monson-Sultana Joint Union Elementary School District
BEN#144060

470 Application #160043013

Submission Deadline: Thursday, April 28th, 3:00p.m.

Monson- Sultana Joint Union Elementary School District wishes to take advantage of E-Rate funding discounts. To that end, Monson-Sultana Joint Union Elementary School District (***DISTRICT***) is seeking proposals for the upcoming round of E-Rate (July 1, 2016 – June 30, 2017). The District is seeking to purchase wireless network access point equipment with licensing for cloud level controller access.

Service Provider Criteria and Contract Requirements

The successful bidder(s) will be fully qualified to, and responsible for participating in the Federal E-Rate program. Bidders should provide all necessary ERATE and contracting credentials necessary as per SLC/Erate procurement requirements located at: http://www.usac.org/sp/

Before bidders proceed, they must provide their SPIN and FCC number to the district via email to: admin@msschool.org Subject: SPIN/FCC qualifier.

Prices must be guaranteed for the duration of E-Rate Year 2016-2017, or the internal connections funding cycle as set by the Schools and Library Company and FCC, or until all work associated with the project is complete (including any SLD approved extensions).

All Service Providers will be responsible for procuring the discounted amount from the SLD (SPI billing). Applicant will not provide the form 472 (BEAR form reimbursement).

Bids should include item by item line pricing including all taxes, shipping, delivery, installation, configuration and warranty considerations. Bids should also include a completed site deployment plot plan with locations identified for access points based on reasonable installation, LAN connectivity capable of supporting the speed and throughput of the device, and campus-wide signal distribution.

Proposals must be submitted in writing.

Deliver via USPS, ground shipment or email to:
Monson-Sultana Joint Union Elementary School District
P.O. Box 25
10643 Avenue 416
Sultana, CA 93666
Attn: Vicki Worthley, Director of Technology
admin@msschool.org

Late proposals will not be accepted.
There is no mandatory walk-through, but a site plan is available on request via email or at Google Maps for "10643 Avenue 416, Dinuba, CA 93618"

All requests for information (RFI) should be made via email to Vicki Worthley at admin@msschool.org. **Phone calls for bid information will NOT be accepted** until bidder has qualified via email. All requests for information must be in writing via email or mail. No requests for information will be honored after April 20th, 2016, to allow for adequate response time prior to the bid deadline of April 28th, 2016.

Proposal Evaluation
It is anticipated that a contract will be made with the provider whose proposal is determined to be in the overall best interest of the DISTRICT. The main evaluation considerations are price, vendor's industry experience and qualifications as well as ease of installation and total cost of operation over the life of the product.

Scope of Bid
Provide quote for the purchase of:

- Eight quantity Meraki MR34 or (*MR42 if functionally compatible*) Access Points (***or functional equivalent***) and
- Two Meraki MR72 Access Points (***or functional equivalent***)
- Bid to include installation and configuration as per specifications outlined below.
- Placement to be determined utilizing district supplied site plan of existing APs already in place. See map as of March 30th, 2016 attached. **NOTE** that non Erate MR12 and MR16 APs shown on map are nearing end of life (2016) and should not be figured in the final placement of new APs.
- Provide 10 POE power injectors and/or AC adapters, as is appropriate for the location of the access point and available access to POE capable switches.
- 2.4Ghz and 5Ghz Antennas necessary for specified performance levels on

each AP for all radios. (outdoor AP is omni-directional, not point to point.)
- Provide licensing for the device configuration via cloud interface for all units for the maximum allowable licensing period available via Erate rules. (10 years)
- Provide network integration support to insure a turn-key WLAN environment district-wide (campus-wide), including the Cat6 cabling necessary to connect each AP to the closest IDF (Building Level) managed switch, as well as mount WAP's as wall mount, ceiling tile rail (9/16, 15/16 or 1 ½" flush or recessed rails). Provide lifetime warranty on all internal access points and at least one year warranty on all outdoor access points. Cable runs required can be calculated based on site survey in person or online at vendor's discretion. **IDF locations** will be supplied by request to: admin@msschool.org.
- **No end user equipment is to be included in the quote.**

Specifications

The overall outcome of this purchase is to provide an extremely cost-effective, user manageable wireless access local network that can be installed and fundamentally maintained by existing district staff with little to no additional training necessary. Full wireless coverage at specified speeds for the entire campus is the expected outcome. Based on our 2015-2016 deployment, and increased wireless use, it's deemed necessary to install an Access Point in every classroom to obtain adequate coverage and density.

Access Points bid must be fully compatible with existing Meraki wireless access points and controller already in place, with LAN equipment already in place (Cisco, Meraki, SonicWall, Linksys or other), and with our Servers (Windows 2003, 2008 and 2012R2).

Power requirements for the access points may vary depending on proposed location and access to POE switches for power. Prospective vendor is expected to provide verification of what power solutions are necessary at each AP location. (AC adapter, POE adapter, or POE via Cat6 over existing POE switch.) ***A site survey of existing Meraki wireless access point distribution is attached at the end of this RFP.***

Access Points must utilize centralized management via the cloud, without the need for onsite wireless controllers, also capable of "hands-off" access point provisioning, network-wide visibility and control, cloud-based RF optimization, and automatic firmware updates. Configuration should utilize a browser-based user interface, without the need for extensive training or a dedicated installation staff.

APs must be 3-stream: 2.4 GHz 802.11b/g/n, 5 GHz 802.11a/n/ac, and one dedicated for dual-band WIPS & spectrum analysis; which deliver an aggregate max data rate of 1.75 Gbit/s or better (1.2Gbps for MR72 or equivalent). Indoor rated Access Points should have integrated omni-directional antennas and outdoor Access Points should have omni-directional antennas for both radios.

Devices should provide:

- AES hardware-based encryption and WPA2-Enterprise authentication with 802.1X and Active Directory integration.
- Internet-only access for visitors. Policy firewall enabling groups or device-based, granular access policies.
- Application-aware traffic shaping
- Integrated layer 7 packet inspection, classification, and control, enabling administrator set QoS policies based on traffic type.
- Integrated support for Wireless Multi Media (WMM), 802.1p, and DSCP.

Functionality should allow for: administrator to end user device specific policies that can be automatically applied to restrict, quarantine, or throttle user owned devices by type, class, MAC, or IP. Also Layer 7 identification and application QoS to permit bandwidth throttling and traffic shaping from the cloud interface for all the AP devices inclusively across the network.

Access Points should be capable of secure, easy to manage guest access, without extra appliances, licenses, or complex VLAN configurations. Access Points should include a built-in firewall and DHCP server to provide a complete guest WiFi solution, that protects the student and staff LANs and other clients. Guest access should be configurable for bandwidth limits (throttling).

Access Points and their resulting WLAN must be fully CIPA, COPPA, HIPAA and PCI compliant capable.

Questions? Contact Vicki Worthley by email at: admin@msschool.org


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Avenue 416
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Avenue 416
Monson Sultana School
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