**Request for Proposal**

**For Network Infrastructure Equipment**

The Harrison County School District (HCSD) is requesting bids by school site for the upgrading and replacement of network infrastructure equipment at the following 2 schools. West Harrison High and D’iberville High School.

This is an equipment only bid, no installation services are being sought. All equipment and cost must be submitted and totaled by school site. All shipping and delivery cost are to be included as part of bid.

The use of brand name specifications is to provide prospective vendors with a product standard and/or guidelines for equipment needed; all equipment meeting or exceeding the brand name specifications used will be given equal consideration. Any substitution must be approved in advance by HCSD IT Dept.

In addition to issuing this RFP, HCSD has posted a Form 470 with USAC for E-Rate discounts. The Bidder hereby agrees to provide an E-Rate Spin number and aid in the application preparation for E-Rate funding. The Bidder hereby agrees to all E-Rate requirements and payment terms included in the specifications and as required for the E-Rate Program. In the event that E-Rate discounts are not approved, the District reserves the right to cancel any or all of the equipment purchase awarded as a result of this RFP. Bidder also agrees to a multi-year contract in the event E-Rate funding is not awarded.

The District reserves the right to reject any or all bids, to waive informalities and when multiple items or supplies for a period of time are involved, to award bids on an individual basis or an all or none basis, whichever is in the best interest of the District.

**Qualification of Bidders**

This bid shall be awarded only to a responsive and responsible bidder, qualified to provide the goods specified.

**Specifications**

1. All equipment must be new in box. (Used or refurbished equipment are not acceptable)
2. UPS’s must support full functionality of district’s Powerchute UPS Management software.
3. Distribution and core based fixed port switches must be able to support for current and future expansion

\*Layer 3 routing and switching EIGRP protocol

\* PoE+ with 30W power on all ports in 1 rack unit (RU) form factor

\* IPv4 and IPv6 routing, Multicast routing, advanced quality of service (QoS)

 \*Lifetime warranty or (LLW) with next business day (NBD) advance hardware replacement

\* Enhanced (built into fixed port switch OS) energy management features for operational cost optimization by measuring actual power consumption of the PoE devices, reporting, and reducing energy consumption across the network

 \*Autosensing power features that automatically negotiates correct power requirement to PoE devices in current or future use. This is important as energy conservation and reduction requirements are mandatory.

\*Ability to support a stacking power feature for sharing power among stack members in a stacked switch configuration.

**Equipment for Bid by school:**

**West Harrison High**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **MFG** | **Item Name** | **Description** | **Quantity** |  |  |  |  |
| **Cisco** | **WS-C4507RE+96V+** | WS-C4507R+E Chassis two WS-X4648-RJ45V+E Sup7L-E LAN Base | 1 |  |  |  |  |
|   | CON-SW-C4507REV | SMARTNET 8X5XNBD WS-C4507R+E Chassis2 WS-X4648-RJ45V+E | 1 |  |  |  |  |
|   | CAB-CON-C4K-RJ45 | Console Cable 6ft with RJ-45-to-RJ-45 | 1 |  |  |  |  |
|   | S45EUK9-S8-37E | CAT4500e SUP8e Universal Crypto Image | 1 |  |  |  |  |
|   | C4500E-LB-IPB | Lan Base to IP Base license | 1 |  |  |  |  |
|   | C4500E-7R-S8E-UPOE | SUP8-E AND WS-X4748-UPOE+E UPGRADE FOR 7 SLOT BUNDLE | 1 |  |  |  |  |
|   | WS-X4748-UPOE+E | Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 1 |  |  |  |  |
|   | WS-X4748-UPOE+E | Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 1 |  |  |  |  |
|   | WS-X4748-UPOE+E | Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 1 |  |  |  |  |
|   | WS-X45-SUP8-E | Catalyst 4500 E-Series Supervisor 8-E | 1 |  |  |  |  |
|   | WS-X4712-SFP-E | Catalyst 4500 E-Series 12-Port GE (SFP) | 2 |  |  |  |  |
|   | PWR-C45-4200ACV | Catalyst 4500 4200W AC dual input Power Supply (Data + PoE) | 1 |  |  |  |  |
|   |  CAB-US620P-C19-US | NEMA 6-20 to IEC-C19 13ft US | 4 |  |  |  |  |
|   | PWR-C45-4200ACV/2 | Catalyst 4500 4200W AC dual input Power Supply (Data + PoE) | 1 |  |  |  |  |
| **Cisco** | **WS-C3850-48U-L** | Cisco Catalyst 3850 48 Port UPOE LAN Base | 16 |  |  |
|   | CON-SW-WS5048UL | SMARTNET 8X5XNBD Cisco Catalyst 3850 | 16 |  |  |  |  |
|   | CAB-TA-NA | North America AC Type A Power Cable | 16 |  |  |  |  |
|   | S3850UK9-36E | CAT3850 Universal k9 image | 16 |  |  |  |  |
|   | STACK-T1-50CM | 50CM Type 1 Stacking Cable | 16 |  |  |  |  |
|   | PWR-C1-1100WAC | 1100W AC Config 1 Power Supply | 16 |  |  |  |  |
| **Cisco** | **WS-C3850-24U-L** | Cisco Catalyst 3850 24 Port UPOE LAN Base | 2 |  |  |  |  |
|   | CON-SW-WSC8524U | SMARTNET 8X5XNBD Cisco Catalyst 3850 | 2 |  |  |  |  |
|   | CAB-TA-NA | North America AC Type A Power Cable | 4 |  |  |  |  |
|   | PWR-C1-1100WAC/2 | 1100W AC Config 1 Secondary Power Supply | 2 |  |  |  |  |
|   | C3850-NM-4-1G | Cisco Catalyst 3850 4 x 1GE Network Module | 2 |  |  |  |  |
|   | S3850UK9-36E | CAT3850 Universal k9 image | 2 |  |  |  |  |
|   | STACK-T1-50CM | 50CM Type 1 Stacking Cable | 2 |  |  |  |  |
|   | PWR-C1-1100WAC | 1100W AC Config 1 Power Supply | 2 |  |  |  |  |
| **Cisco** | **STACK-T1-3M=** | 3M Type 1 Stacking Cable | 1 |  |  |  |  |
| **Cisco** | **C3850-NM-4-10G=** | Cisco Catalyst 3850 4 x 10GE Network Module | 9 |  |  |  |  |
| **Cisco** | **GLC-SX-MMD=** | 1000BASE-SX SFP transceiver module MMF 850nm DOM | 18 |  |  |  |  |
| **Cisco** | **AIR-AP2802I-B-K9** | 802.11ac W2 AP w/CA; 4x4:3; Int Ant; 2xGbE B | 18 |  |  |  |  |
|   | CON-SNT-AIRAPIKB | SNTC-8X5XNBD 802.11ac W2 AP w/CA; 3x4:3; Int Ant; 2xG | 18 |  |  |  |  |
|   | AIR-AP-BRACKET-1 | 802.11n AP Low Profile Mounting Bracket (Default) | 18 |  |  |  |  |
|   | AIR-AP-T-RAIL-R | Ceiling Grid Clip for Aironet APs - Recessed Mount (Default) | 18 |  |  |  |  |
|   | SW2802-CAPWAP-K9 | Cisco Aironet 2800 Series CAPWAP Software Image | 18 |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | Continued on next page |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **Cisco** | **AIR-AP1562E-B-K9** | 802.11ac W2 Low-Profile Outdoor AP, External Ant, B Reg Dom. |  1 |  |  |  |  |
|  | CON-SNT-AIRBAP15 | SNTC-8X5XNBD 802.11ac W2 Low-Prof |  1 |  |  |  |  |
|  | SWAP1560-LOCAL-K9 | Cisco 1560 Series Unified Local Mode Software |  1 |  |  |  |  |
|  | AIR-ACC1530-PMK1 | Standard Pole/Wall Mount Kit for AP1530/1560 Series |  1 |  |  |  |  |
|  | AIR-ANT2547VG-N | 2.4 GHz 4dBi/5 GHz 7dBi Dual Band Omni Ant., Gray, N conn. |  2 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Cisco | **AIR-AP1562D-B-K9** | 802.11ac W2 Low-Profile Outdoor AP, Direct. Ant, B Reg Dom. |  3 |  |  |  |  |
|  | CON-SNT-AIRAPI62 | SNTC-8X5XNBD 802.11ac W2 Low-Prof |  3 |  |  |  |  |
|  | SWAP1560-LOCAL-K9 | Cisco 1560 Series Unified Local Mode Software |  3 |  |  |  |  |
|  | AIR-ACC1530-PMK1 | Standard Pole/Wall Mount Kit for AP1530/1560 Series |  3 |  |  |  |  |
|  |  |  |  |  |  |  |  |
|   | **AIR-PWRINJ6=** |  Power Injector (802.3at) for Aironet Access Points |  4  |  |  |  |  |
|  | AIR-PWR-CORD-NA | AIR Line Cord North America |  4 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **APC** | SURT8000RMXLT6U | APC Smart-UPS RT 8000VA Rack Tower 208V | 9 |  |  |  |  |
| **APC** | SMT1000RM2U | APC Smart-UPS 1000VA LCD RM 2U 120V | 6 |  |  |  |  |
|  |  |  |  |  |  |  |  |

**D’Iberville High School**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MFG** | **Item Name** | **Description** | **Quantity** |  |  |
| **Cisco** | **WS-C4510RE-S8+96V+** | 4510R+E Chassis Two WS-X4748-RJ45V+E Sup8-E | 1 |  |  |
|   | CON-SW-WS-C451R | SMARTNET 8X5XNBD 4510R+E Chassis Two | 1 |  |  |
|   | S45EUK9-S8-37E | CAT4500e SUP8e Universal Crypto Image | 1 |  |  |
|   | C4500E-LB-IPB | Lan Base to IP Base license | 1 |  |  |
|   | C4510RE-S8-UPOE | WS-X4748-UPOE+E Upgrade | 1 |  |  |
|   | WS-X4748-UPOE+E | Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 1 |  |  |
|   | WS-X4748-UPOE+E | Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 1 |  |  |
|   | WS-X4748-UPOE+E | Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 1 |  |  |
|   | WS-X45-SUP8-E | Catalyst 4500 E-Series Supervisor 8-E | 1 |  |  |
|   | WS-X4712-SFP-E | Catalyst 4500 E-Series 12-Port GE (SFP) | 3 |  |  |
|  | WS-X4748-UPOE+E | Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 1 |  |  |
|  | PWR-C45-4200ACV | Catalyst 4500 4200W AC dual input Power Supply (Data + PoE) | 1 |  |  |
|  |  CAB-US620P-C19-US | NEMA 6-20 to IEC-C19 13ft US | 4 |  |  |
|   | PWR-C45-4200ACV/2 | Catalyst 4500 4200W AC dual input Power Supply (Data + PoE) | 1 |  |  |
| **Cisco** | **WS-C3850-48U-L** | Cisco Catalyst 3850 48 Port UPOE LAN Base | 21 |  |  |
|   | CON-SW-WS5048UL | SMARTNET 8X5XNBD Cisco Catalyst 3850 | 21 |  |  |
|   | CAB-TA-NA | North America AC Type A Power Cable | 21 |  |  |
|   | S3850UK9-36E | CAT3850 Universal k9 image | 21 |  |  |
|   | STACK-T1-50CM | 50CM Type 1 Stacking Cable | 21 |  |  |
|   | PWR-C1-1100WAC | 1100W AC Config 1 Power Supply | 21 |  |  |
| **Cisco** | **WS-C3850-24U-L** | Cisco Catalyst 3850 24 Port UPOE LAN Base | 1 |  |  |
|   | CON-SW-WSC8524U | SMARTNET 8X5XNBD Cisco Catalyst 3850 | 1 |  |  |
|   | CAB-TA-NA | North America AC Type A Power Cable | 2 |  |  |
|   | PWR-C1-1100WAC/2 | 1100W AC Config 1 Secondary Power Supply | 1 |  |  |
|   | C3850-NM-4-1G | Cisco Catalyst 3850 4 x 1GE Network Module | 1 |  |  |
|   | S3850UK9-36E | CAT3850 Universal k9 image | 1 |  |  |
|   | STACK-T1-50CM | 50CM Type 1 Stacking Cable | 1 |  |  |
|   | PWR-C1-1100WAC | 1100W AC Config 1 Power Supply | 1 |  |  |
| **Cisco** | **C3850-NM-4-10G=** | Cisco Catalyst 3850 4 x 10GE Network Module | 12 |  |  |
| **Cisco** | **GLC-SX-MMD=** | 1000BASE-SX SFP transceiver module MMF 850nm DOM | 30 |  |  |
| **Cisco** | **AIR-AP2802I-B-K9** | 802.11ac W2 AP w/CA; 4x4:3; Int Ant; 2xGbE B | 20 |  |  |
|   | CON-SNT-AIRAPIKB | SNTC-8X5XNBD 802.11ac W2 AP w/CA; 3x4:3; Int Ant; 2xG | 20 |  |  |
|   | AIR-AP-BRACKET-1 | 802.11n AP Low Profile Mounting Bracket (Default) | 20 |  |  |
|   | AIR-AP-T-RAIL-R | Ceiling Grid Clip for Aironet APs - Recessed Mount (Default) | 20 |  |  |
|   | SW2802-CAPWAP-K9 | Cisco Aironet 2800 Series CAPWAP Software Image | 20 |  |  |
|   |   |   |   |  |  |
| **Cisco** | **AIR-AP1562E-B-K9** | 802.11ac W2 Low-Profile Outdoor AP, External Ant, B Reg Dom. |  1 |  |  |
|  | CON-SNT-AIRBAP15 | SNTC-8X5XNBD 802.11ac W2 Low-Prof |  1 |  |  |
|  | SWAP1560-LOCAL-K9 | Cisco 1560 Series Unified Local Mode Software |  1 |  |  |
|  | AIR-ACC1530-PMK1 | Standard Pole/Wall Mount Kit for AP1530/1560 Series |  1 |  |  |
|  | AIR-ANT2547VG-N | 2.4 GHz 4dBi/5 GHz 7dBi Dual Band Omni Ant., Gray, N conn. |  2 |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  | Continued on next page |  |  |  |
| Cisco | **AIR-AP1562D-B-K9** | 802.11ac W2 Low-Profile Outdoor AP, Direct. Ant, B Reg Dom. |  2 |  |  |
|  | CON-SNT-AIRAPI62 | SNTC-8X5XNBD 802.11ac W2 Low-Prof |  2 |  |  |
|  | SWAP1560-LOCAL-K9 | Cisco 1560 Series Unified Local Mode Software |  2 |  |  |
|  | AIR-ACC1530-PMK1 | Standard Pole/Wall Mount Kit for AP1530/1560 Series |  2 |  |  |
|  |  |  |  |  |  |
|   | **AIR-PWRINJ6=** |  Power Injector (802.3at) for Aironet Access Points |  3  |  |  |
|  | AIR-PWR-CORD-NA | AIR Line Cord North America |  3 |  |  |
|  |  |  |  |  |  |
| **APC** | SURT8000RMXLT6U | APC Smart-UPS RT 8000VA Rack Tower 208V | 1 |  |  |
| **APC** | SMT1000RM2U | APC Smart-UPS 1000VA LCD RM 2U 120V | 13 |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Total Bid Price

**All bid prices shall be F.O.B. destination: Harrison County Schools Central Office, 11072 Highway 49 Gulfport, MS 39503**

Questions regarding this bid shall be directed to Mike Valdez, HCSD IT Dept. at (228) 539-1849 during normal business hours Monday – Friday. mvaldez@harrison.k12.ms.us

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Company Name Authorized Signature**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Address City/State/Zip**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Phone/Fax Numbers Email Address**