

**Cabling Services
Bid #YR200005 Response**

E-Rate Funding Year 2017

Crawford Central School District



Mr. Guy O'Neil
Business Manager
Crawford Central School District
11280 Mercer Pike
Meadville, PA 16335

Dear Mr. O'Neil:

Reabah, Inc. dba Networking Technologies and Teceri Technologies is a customer centric organization that has been involved with the design and implementation of network infrastructure projects since 1998. Our commitment is to provide first-class technical resources and products for our customers. We have established partnerships with a number of industry-leading companies including but not limited to; HPE/Aruba, Extreme Networks, Cisco, Microsoft, Axis, Avaya, Hitachi Cable America, Panduit Corp, APC, VMWare, Veeam, Barracuda Networks, Fortinet, and CheckPoint. This partnership diversification allows us to tailor genuinely unbiased recommendations and solutions to meet the specific needs and requirements of your district. This ability to leverage the best products and the best services of each vendor, allows us to bring more value and an optimal solution to you. We pride ourselves in forming strategic business partnerships with our clients by providing professional support, integrity, a passion for customer service, and technology expertise.

Our company has been involved with the federal E-rate program since 2007. Our E-Rate Spin Number is 143031254. We actively participate in the E-rate Program Service Provider Monthly Webinar's, Weekly Service Provider Touch-base Calls, and subscribe to the USAC's Schools and Libraries Weekly News Brief's. In addition, we are required to participate in mandatory annual E-Rate compliance training programs hosted by suppliers and vendors like Ingram Micro, Cisco, Miraki, Synnex, HPE/Aruba, Extreme Networks, and Fortinet. We are authorized to do business in the state of PA. Our FCC Registration Number (FCCRN) is 0006596910 and the current status of FRN 0006596910 is Green on the Red Light Display System.

During the walk-thru of the two Elementary schools, we discovered that existing Access Point (AP) cabling was cat5e terminated to cat5e patch panels. The National Bicsi Standard per AP today is two (2) cat 6 or 6a cables. We are recommending that two new cables of the same category (6/6a) be run in the schools to keep the same standard as the new access points being installed.

We understand that each customer is unique. Reabah, Inc. employ experienced, certified professionals whose dedication and industry knowledge helps them address Crawford Central School Districts specific business needs and provides tailored solutions to meet those needs. We would be more than happy to setup a time to review our solution in detail with you, allowing you to gain a clear understanding of the solution and the value it, along with Networking Technologies brings to your district. We encourage you to reach out to our educational references and gain their perspective on working with us. We appreciate the time invested in review of this response. We look forward to working with the Crawford Central School District on this E-rate project, and future projects. Should any questions arise as a result of our submission, please feel free to contact me at either 814-836-0000 x 121 or karen@net-cloud.com.

Sincerely,



Karen L. Butts
Account Executive



List of References K-12

School District of the City of Erie
Rick Vitale
3325 Cherry Street
Erie, PA 16508
814.874.6184

Fairview School District
Brian Junker
7460 McCray Road
Fairview, PA 16415
814.474.2600 x 3137

Harbor Creek School District
Jeff Shumaker
6375 Buffalo Road
Harborcreek, PA 16421
814.897.2100 x 2138

Northwestern School District
Susanne Lehman
100 Harthan Way
Albion, PA 16401
814.756.9400 x 5345

Corry Area School District
Andrew Schmidt
800 East South Street
Corry, PA 16407
814.665.8297

General McLane School District
Jeremy Dylewski
11771 Edinboro Road
Edinboro, PA 16412
814.273.1033 x 8900

Greenville Area School District
Jodi Hibbard
9 Donation Road
Greenville, PA 16125
724.588.2500

Clearfield Area School District
Brian Norwood
2831 Washington Avenue
Clearfield, PA 16830
814.765.6134

Jamestown Area School District
Daniel Stence
204 Shenango St.
Jamestown, PA 16134
724.932.5557

Cathedral Preparatory School
Ryan Fasenmyer
225 West 9th Street
Erie, PA 16501
814.453.7737 x 2279

Farrell Area School District
Steve Bennefield
1600 Roemer Blvd.
Farrell, PA 16121
724.509.1296

Iroquois School District
Bob North
4301 Main Street
Erie, PA 16511
814.899.7643 x 1261

Franklin Area School District
Scott Armburger
702 Liberty Street
Franklin, PA 16323
814.432.2483

Perseus House
Chris Maycock
1511 Peach Street
Erie, PA 16501
814.480.5900

Crawford Central School District
Becky Gentile
11280 Mercer Pike Road
Meadville, PA 16335
814.724.3960

Philipsburg-Osceola Area SD
Chandler Delattre
200 Short Street
Philipsburg, PA 16866
814.342.1050



**Networking
Technologies**

A Division of Reabah, Inc.

3910 Caughey Road, Suite 207, Erie, Pa. 16506 | Phone: (814) 836-0000 | www.net-cloud.com

List of References Higher Education

LECOM – Lake Erie College of Osteopathic Medicine
Keith Hein
1858 West Grandview Blvd.
Erie, PA 16509
814.866.8429

Thiel College
Kurt Ashley
75 College Avenue
Greenville, PA 16125
724.589.2300

Mercyhurst University – Erie Campus
Guy DiPietro
501 East 38th Street
Erie, PA 16546
814.824.3075

Mercyhurst University – North East Campus
Barry Nuhfer
16 W. Division
North East, PA 16428
814.725.6317

Gannon University
Mark Jordano
109 University Square
Erie, PA 16541
814.871.5651

Chatham University
Paul Steinhaus
Woodland Road
Pittsburgh, PA 15232
412.365.1606

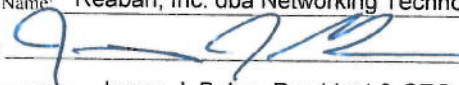
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Sealed bids for the services listed herein will be received in the CRAWFORD CENTRAL SCHOOL DISTRICT (CCSD) Administration Office, located at 11280 MERCER PIKE, MEADVILLE, PA 16335 - ATTN: GUY O'NEIL until 10:00 A.M., FEBRUARY 9TH, 2017 and will be opened at 10:15 the same day in the Administration Building Conference Room. BIDDERS ARE INVITED TO ATTEND THE BID OPENING BUT NO CHANGES TO BIDS WILL BE ACCEPTED OUTSIDE OF CLARIFICATIONS. BIDDERS ARE RESPONSIBLE FOR CHECKING THE WEBSITE WHERE THEY ACQUIRED THIS BID FOR ANY POTENTIAL ADDENDUMS AND/OR CHANGE OF DATES (BID RESPONSE DEADLINES, CLARIFICATIONS AND/OR WALK-THROUGHS).

1. *Two (2) hard copies* (signed with original signatures where noted) and *Two (2) USB thumb/flash drives* containing electronic copies of the signed submitted proposal (in Word or .pdf format) and the corresponding Respondent-populated Excel file (as defined in this document) for this bid inquiry are to be returned to CCSD as instructed below. Additional vendor documentation can/should be included.
2. All bid responses shall be returned in sealed envelopes and addressed to CCSD at the address stated above. **Please show the bid number (BID#: YR200005) on the outside of the envelope.**
3. **In addition to the response instructions outlined above the vendor must also respond by e-mail to e-rater20bidresponse@advancedgesolutions.com with attachments matching the hardcopies and USB documents mailed to the school. Said e-mail must be received by the deadline identified above and needs to be titled "CCSD E-RATE BID RESPONSE – YR200005" in the e-mail subject line area.**
4. The Bidder is responsible for ensuring that the Bid response, inside a sealed envelope, is received via **registered mail or carrier service** prior to 10:00 A.M. on the date stated above. Delivering that Bid document to a CCSD employee, even if a signature is obtained, is **not** sufficient to meet the requirements of this Bid Condition. CCSD is not responsible for the failure of any of its employees or any mail delivery service to receive this bid document prior to the time and date for the public opening of this Bid.
5. Responses shall be submitted on this Bid form and other required document which must be signed by a duly authorized agent or officer of the Company making the bid. Absence of original signature of person duly authorized to sign for the Company submitting this bid document will automatically leave this bid null and void.
6. Prices quoted must include all costs for delivery of requested services including any/all installation, support and engineering charges.
7. Not more than one alternate service may be quoted on any single item of the bid. Description and pricing for any such alternate/hybrid/migration solutions must be submitted with this document and be accompanied with a valid signature from the submitting vendor.
8. The Technology Support Staff /Resources group shall have full power and authority to reject any and all bids furnished which in their opinion, are not in strict compliance and conformity with the requirements of the specifications. The decision of said group shall be final, conclusive, and without challenge.
9. CCSD reserves the right to reject any or all bids, and to accept or reject any item or group of items and/or added or modified statements by vendor(s) for bid responses submitted.
10. Upon identification of the lowest bid for identified services and installations (if warranted) the successful bidder will be notified. It should be noted that awarding of this bid will commit the respondent to their quoted pricing for the entire period of time required for the SLD to notify CCSD of e-rate funding. Once notified of funding CCSD will/may commence with deploying said services. CCSD may also elect to initiate services before funding notification and if doing so, will coordinate with the successful Respondent accordingly.
11. Bidders shall make all investigations necessary to thoroughly inform themselves regarding the plant and facilities affected by the delivery of services, materials and equipment as required by the Bid conditions. No plea of ignorance by the Bidder of conditions that exist or that may hereafter exist as a result of failure to fulfill the

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: Reabah, Inc. dba Networking Technologies & Teceri Technologies
Signature:  Date: 1/30/17
Printed Name/Title: James J. Bahm, President & CEO
Phone Number: 814.836.0000 E-Mail: jbahm@net-cloud.com


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- requirements of the contract documents will be accepted as the basis for varying the requirements of the District or the compensation to the Bidder.
12. Bid Proposals received after the date and time set for the Bid opening shall be considered non-responsive and disqualified accordingly. Bid Proposals submitted via facsimile which are transmitted after the date and time set for the Bid opening shall be considered nonresponsive and also disqualified accordingly.
 13. Bid Proposals received adhering to any of the following items will be subject to Disqualification:
 - Service Provider Identification Number (SPIN).
 - Service provider must have an FCC Registration Number.
 - Service provider insurance certificate
 - Service provider must participate in the E-Rate Program and offer direct Program billing for funding
 - Bid not timely received, incomplete and/or modified as to change/eliminate original content
 - Bid response contains unacceptable limitations/restriction of services/responsibilities
 - Bid contains additional stipulations deemed as unacceptable to District
 14. Local, State and Federal Compliance Requirements:

Successful Bidders shall be familiar and comply with all local, state, and federal directives, ordinances, rules, orders, and laws as applicable to, and affected by, this contract including but not limited to Equal Employment Opportunity Commission (EEOC), the Occupational Safety, Health Act (OSHA), and Title I and Title II of the Americans with Disabilities Act (ADA) regulations. No Bidder shall be excluded from consideration for award in conjunction with this solicitation on the basis of race, color, creed, national origination, handicap or sex or be subjected to discrimination under any contractual award administered by the District.
 15. Tax Exempt Status: **CCSD** is exempt from Pennsylvania Sales and Use Tax and enjoys other federal and state tax exemptions afforded to public school entities and/or similar political subdivisions. Interstate telecommunications services are subject to assessment of the universal service Contribution fee. This notice shall serve to satisfy any notification required by the provider as to these tax exemptions. Providers must ensure that their cost proposals include all applicable taxes and surcharges from which the schools are not exempt.
 16. Vendor, at all times during the term of the Agreement, shall obtain and maintain in force insurance coverage of the types and with the limits as follows:
 - A. Commercial General Liability Insurance: Vendor shall maintain occurrence based commercial general liability insurance or equivalent form with a limit of not less than \$1,000,000 for each occurrence and \$2,000,000 aggregate.
 17. Vendor will comply with all federal, state and local labor and general laws, regulations, ordinances, guidelines, permits and requirements applicable to providing services pursuant to the Agreement, and will be solely responsible for obtaining current information on such requirements. Vendor will comply with all relevant policies of the Board of School Directors.
 18. Subcontractor Arrangements: If subcontractor arrangements may be necessary, Vendor is to include provisions in its subcontracts requiring its subcontractors to comply with the applicable provisions of the Agreement, to indemnify **CCSD**, and to provide insurance coverage for the benefit of **CCSD** in a manner consistent with the Agreement. **CCSD** reserves the right to require subcontractor(s) to furnish certificates of insurance. Vendor will cause its subcontractors, agents, and employees to comply, with applicable federal, state and local laws, regulations, ordinances, guidelines, permits and requirements and will adopt such review and inspection procedures as are necessary to assure such compliance. Vendor must identify all proposed subcontractors in its Proposal. The Vendor and all subcontractors must be authorized to do business in Pennsylvania.
 19. Bidders shall comply with all contractual obligations contained within this Bid. With respect to these obligations, the District will report any non-compliance issues to the successful Bidder for corrective action. Continued non-compliance by the successful Bidder shall be the District's justification for placing the Bidder's contract on probation status or termination.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: Reabah, Inc. dba Networking Technologies & Teceri Technologies
Signature:  Date: 1/25/17
Printed Name/Title: James J. Bahm, President & CEO
Phone Number: 814.836.0000 E-Mail: jbahm@net-cloud.com

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**BID SPECIFICATIONS
NETWORK CABLING SERVICES**

CCSD IS SEEKING A CONTRACT FOR INSTALLATION OF NETWORK CABLING AND CORRESPONDING CABLING PLANT INFRASTRUCTURE/SERVICES SUCH AS BUT NOT LIMITED TO PATCH PANELS, PATCH CABLES, CABLE TRAYS, CONDUIT, REQUIRED RACKS, RE-ROUTING/RE-TERMINATION SERVICES, ETC. FOR THE CCSD SITE(S). RESPONDENTS ARE REQUIRED TO BE FAMILIAR WITH STATE AND/OR LOCAL LAWS OR REGULATIONS AND ARE REQUIRED TO SUBMIT ALTERNATE PRICING ADHERING TO LOCAL PREVAILING WAGE AND/OR OTHER LABOR REQUIREMENTS (UNION) WITHIN THIS BID CONTRACT. THESE SERVICES ARE E-RATE ELIGIBLE AND THE SCHOOL WILL BE REQUESTING FUNDING ACCORDINGLY. SERVICES WILL/MAY COMMENCE AFTER APRIL 1st, 2017 AND MAY EITHER CORRESPOND WITH RECEIPT OF THE SLD FUNDING LETTER/S FOR THE SERVICES THAT WERE REQUESTED OR BE ADDRESSED PROACTIVELY WHILE STILL AWAITING FUNDING NOTIFICATION. THE SCHOOL WILL IDENTIFY THE PARTICULAR SCHEDULING NEEDS TO THE RESPONDENT AT A LATER DATE FOR PLANNING/COORDINATION PURPOSES. ESTIMATED NUMBERS OF DROPS PER LOCATION CAN BE FOUND WITHIN THIS DOCUMENT. PLEASE NOTE THAT THESE ARE ONLY INITIAL PROJECTIONS AND ACTUAL FINAL SUBMITTED QUANTITIES MAY INCREASE OR DECREASE BASED ON NEED AND/OR E-RATE SITE-BASED FUNDING ALLOCATION. CCSD IMPLIES NO GUARANTEES OF FINAL QUANTITIES.

NOTE: THE MAJORITY OF CCSD SITES RESIDE IN THE NORTH-WEST PENNSYLVANIA CRAWFORD COUNTY AREA


QUESTIONS PERTAINING TO THIS BID PROCESS AND/OR ANY TECHNICAL QUESTIONS SHOULD BE DIRECTED TO:

ERATESUPPORT2017@ADVANEDGESOLUTIONS.COM

**NOTE: INCLUDE "CCSD CABLING BID YR200005" IN THE SUBJECT LINE OF ANY E-MAIL CORRESPONDENCES.*

IT SHOULD BE NOTED THAT ORIGINAL SIGNATURES ARE REQUIRED AT THE BOTTOM OF EACH PAGE IN THIS BID WHEN THE APPROPRIATE SIGNATURE LINES ARE PROVIDED. FAILURE TO PROVIDE THESE SIGNATURES AS INSTRUCTED WILL VOID THE ENTIRE BID RESPONSE FOR THAT PARTICULAR RESPONDENT.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: Reabah, Inc. dba Networking Technologies & Teceri Technologies
Signature:  Date: 1/30/17
Printed Name/Title: James J. Bahm, President & CEO
Phone Number: 814.836.0000 E-Mail: jbahm@net-cloud.com

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ITEM
NO.

ITEM/SERVICE DESCRIPTION: SPECIFICATIONS/SCOPE

1. **NETWORK CABLING SERVICES:** THE REQUEST IS FOR A QUOTE FOR VARIOUS CABLING SERVICES SCENARIOS FOR **CCSD**. THE SCOPE OF WORK MAY/WILL INCLUDE THE QUANTITIES OF NETWORK DROPS AS DEFINED WITHIN THIS DOCUMENT AND THE ATTACHMENTS ACCOMPANYING THIS BID DOCUMENT. A FIBER BACKBONE MUST BE INSTALLED BETWEEN ALL NETWORK CLOSETS (MULTIPLE CLOSETS NEEDED DUE TO IEEE CAT 6 AND/OR CAT 6A CABLE LENGTH (RUNS) LIMITATIONS). IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND CONFIRM LOCATIONS TO ADDRESS SUCH NEEDS AND WORK WITH **CCSD** AND ITS RESOURCES TO ASSURE FAVORABLE, STRATEGIC LOCATIONS. LISTED BELOW ARE BULLETED SPECIFICATIONS FOR THE NETWORK(S), THE COMPONENTS AND CORRESPONDING REQUIREMENTS FOR THE PROJECT(S). THIS LIST AND THE ACCOMPANYING ATTACHMENTS ARE MEANT TO PROVIDE SIGNIFICANT INSIGHT TO ALL REQUIRED DELIVERABLES. ADDITIONALLY, A SCHEDULED SITE REVIEW/WALK-THROUGH MAY BE SCHEDULED TO PROVIDE INTERESTED RESPONDENTS THE OPPORTUNITY TO VIEW THE SITE(S). RESPONDENTS ARE RESPONSIBLE FOR CHECKING THE WEBSITE FROM WHERE THEY OBTAINED THIS BID FOR ANY WALK-THROUGH SCHEDULING NOTIFICATIONS AND ANY POTENTIAL BID ADDENDUMS. THIS PROPOSAL WILL LEVERAGE THE FEDERAL E-RATE PROGRAM. ALL DELIVERABLES AND CORRESPONDING MATERIALS ARE E-RATE ELIGIBLE. ANY ADDITIONAL NON E-RATE ELIGIBLE ITEMS THAT NEED ADDRESSED MUST BE ADDRESSED VIA A SEPARATE CONTRACT/AGREEMENT AND SEPARATE INVOICING WHEN/IF THE NEED ARISES FOR NON-ELIGIBLE SCOPE.
- A.) SCOPE OF WORK INCLUDES THE RUNNING, TERMINATION, TESTING AND LABELING OF ALL CAT 6, CAT 6A AND/OR 12 STRAND 50/62.5 MICRON FIBER NETWORK REQUIREMENTS. ADDITIONAL SCOPE MAY INCLUDE RE-ROUTING/RE-TERMINATION OF CABLES AND/OR SINGLE-MODE FIBER WHERE IDENTIFIED WITHIN.
- B.) SCOPE OF WORK REQUIRES THAT THE CONTRACTOR PROVIDE ANY/ALL REQUIRED PATCH PANELS, NETWORK RACKS (WALL-MOUNTED, FLOOR MOUNTED, AND/OR ENCLOSED), BOOTED CAT 6/6A PATCH CABLES (AT PATCH PANEL END AND AT WALL JACK LOCATIONS), FIBER TERMINATION LGU CABINETS, FIBER PATCH CABLES (TO BE COORDINATED WITH EQUIPMENT CONTRACTOR), NETWORK WALL JACKS AND ANY REQUIRED NETWORK CONDUIT/RACEWAY.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: Reabah, Inc. dba Networking Technologies & Teceri Technologies

Signature:  Date: 1/30/17

Printed Name/Title: James J. Bahm, President & CEO


Phone Number: 814.836.0000 E-Mail: jbahm@net-cloud.com

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- C.) IT SHOULD BE NOTED THAT PAYMENT WILL ONLY BE COMPLETED ON ACCEPTABLE, COMPLETE SERVICES WHEREAS WORKMANSHIP ADHERES TO REQUIREMENTS OUTLINED AND CABLING IS MANAGED THROUGHOUT THE PROJECT(S) IN AN ACCEPTABLE MANNER UTILIZING INDUSTRY STANDARD CONTAINMENT RINGS, BRACKETS, INTER-DUCT, ETC. (NO WIRES OR ROPE OR STRINGS). ALL HOLES MUST BE FILLED IN AND FINISHED. CONDUITS MUST CONNECT DIRECTLY TO JUNCTION BOXES, AND CORNERS MUST BE MITERED/TERMINATED TO JUNCTION BOXES. ALL CONDUIT AND JUNCTION BOXES MUST BE SECURED DIRECTLY TO THE WALL VIA SCREWS WITH DRILLED WALL PLUGS AND WASHIERS...NOT RELYING ON ADHESIVE-BASED CONNECTION ONLY.
- D.) INCLUDED AS PART OF THIS BID ARE NUMEROUS SUPPORTING ATTACHMENTS AND A SPREADSHEET DOCUMENT TO ASSIST IN EVALUATING THE PROJECT AND POSTING CORRESPONDING BID RESPONSES. THESE ITEMS ARE AS FOLLOWS:
- I. ATTACHMENT "ATTACHMENT A - FLR PLAN & RISER SAMPLE": THIS ATTACHMENT CONTAINS A GENERIC NETWORK RISER DIAGRAM WHICH GIVES A SNAPSHOT OF THE DESIRED NETWORK CLOSET LAYOUT SCHEME THAT THE CONTRACTOR MUST ABIDE BY. DUE TO TIME CONSTRAINTS AND OTHER CHALLENGES A FINAL RACK-BY-RACK DETAILED DIAGRAM DOCUMENT IS NOT AVAILABLE FOR THIS BID PROCESS. THE RESPONDENT IS TO PROVIDE PRICING BASED ON A "PER DROP" AND "PER RACK" MATRIX WHICH WILL BE LEVERAGED BY THE SCHOOL WITH ESTIMATED QUANTITIES TO APPLY FOR E-RATE FUNDING ASSISTANCE.
 - II. ATTACHMENT "ATTACHMENT B - STD & SPECS": THIS ATTACHMENT CONTAINS SPECIFICATIONS AND STANDARDS WHICH ARE A REQUIREMENT FOR THIS CABLING PROJECT. ADDITIONALLY, THERE ARE LISTS OF POTENTIAL NETWORK COMPONENTS THAT MAY BE NEEDED TO SUPPORT THE PROJECT AND SPECIFICS REGARDING LABELING, TESTING AND DOCUMENTATION REQUIREMENTS. SIGNED COPY OF THIS DOCUMENT IS A REQUIREMENT FOR COMPLETE BID RESPONSE FOR THIS RFP PROCESS.
 - III. "CCSD YR200005 CABLING BID RESPONDENT SPREADSHEET": THIS DOCUMENT CONTAINS SPECIFIC AREAS FOR VENDOR ENTRY AND MUST BE COMPLETED AND SUBMITTED BACK TO THE SCHOOL IN EXCEL FORMAT (ELECTRONICALLY ON THE THUMB/FLASH USB DRIVES AND E-MAIL) ALONG WITH THIS FULLY SIGNED BID/CONTRACT DOCUMENT AND CONTRACT AGREEMENT LETTER. THE SPREADSHEET DOCUMENT CAN BE FOUND AT THE END OF THIS BID DOCUMENT.

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: Reabah, Inc. dba Networking Technologies & Teceri Technologies
Signature:  Date: 1/30/11
Printed Name/Title: James J. Bahm, President & CEO
Phone Number: 814.836.0000 E-Mail: jbahm@net-cloud.com

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- E.) SCOPE OF WORK FOR THIS/THESE BID PROJECT(S) INCLUDES THE INSTALLATION OF NETWORK ELECTRONICS TO BE SUPPLIED BY CCSD (SEE BULLET FOR DEFINITION OF "INSTALLATION").
- F.) CONTRACTOR IS REQUIRED TO INCLUDE ALL PATCH CABLES (AT PATCH PANELS AND AT EACH WALL JACK LOCATION) INCLUDING ALL EQUIPMENT AND NETWORK INTER-CONNECTING CABLES (BOOTED CAT.6/6A AND FIBER). THE CABLING CONTRACTOR IS RESPONSIBLE FOR COORDINATING THESE CABLING NEEDS WITH THE EQUIPMENT VENDOR FOR A STREAMLINED, TIMELY COMPLETION OF THIS PROJECT.
- G.) THE RESPONDENT MUST BE A CERTIFIED HUBBELL CONTACTOR (OR EQUIVALENT PROGRAM) IN GOOD STANDING WITH THE PROGRAM. THE SELECTED RESPONDENT WILL BE RESPONSIBLE FOR PROVIDING A FULL MANUFACTURER'S WARRANTY FOR THE NEWLY INSTALLED SYSTEM AND IDENTIFY IN THE COMMENT AREA THE NAME, LENGTH OF YEARS AND CERTIFICATION PROOF OF SAID WARRANTY PROGRAM.

ITEM NO.

ITEM/SERVICE DESCRIPTION: SUBMITTED PRICING

2. IDENTIFY COSTS FOR ITEMS BELOW BASED ON REQUIREMENTS AND CRITERIA IDENTIFIED WITHIN THIS BID CONTRACT DOCUMENT AND CORRESPONDING SUPPORT DOCUMENTS MENTIONED AND INCLUDED WITH THIS BID PACKAGE/POSTING. NOTE THAT THERE ARE AREAS FOR VARIOUS PRICING SUBMITTALS... ONE FOR BASE INSTALLATION, ONE INCORPORATING ANY UNION AND/OR OTHER LABOR CHARGES WHICH MAY BE REQUIRED AND A "PHASED" INSTALLATION PRICING SECTION IF POTENTIALLY NEEDED. PLEASE PROVIDE SPECIFIC PRICING AS REQUESTED FOR EACH UNIQUE SCENARIO:

- A. COST *PER SET OF TWO (2)* CAT. 6/6A NETWORK DROPS:
(BASED ON FULL PROJECT ESTIMATED QUANTITIES AS GIVEN BELOW)

\$676.06 PER "DROP" (2 CAT 6 PORTS)

("UNION") \$ n/a PER "DROP" (2 CAT 6 PORTS)

\$817.04 PER "DROP" (2 CAT 6A PORTS)

("UNION") \$ n/a PER "DROP" (2 CAT 6A PORTS)

The undersigned, as authorized representatives of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outlined herein, where we hereby agree to provide such item/s as awarded to us. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name Reabah, Inc. dba Networking Technologies & Teceri Technologies

Signature:  Date: 1/30/17

Printed Name/Title: James J. Bahm, President & CEO

Phone Number: 814.836.0000 E-Mail: jbahm@net-cloud.com

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- B. COST PER NETWORK RACK (IDFs AND/OR MDF) INCLUDING ALL IDF RACK COMPONENTS AND MATERIALS (RACK, PATCH PANELS, FIBER TERMINATION BOXES & TERMINATIONS AT BOTH ENDS, PATCH CABLES, LABELING, ETC.) AS DEFINED WITHIN THIS DOCUMENT AND/OR THE ATTACHMENT **"ATTACHMENT B - STD & SPECS"** DOCUMENT:
(BASED ON FULL PROJECT ESTIMATED QUANTITIES AS GIVEN BELOW)

\$ N/A PER RACK

("UNION") \$ n/a PER RACK

- C. 1.) COST DIFFERENTIAL PER IDF NETWORK RACK FOR 50 MICRON VERSUS 62.5 MICRON FIBER INCLUDING ANY/ALL CORRESPONDING IDF/MDF RACK COMPONENTS AND MATERIALS (I.E.: FIBER TERMINATION BOXES & TERMINATIONS AT BOTH ENDS, RELATED FIBER PATCH CABLES, ETC.):

\$ N/A PER IDF RACK

- 2.) SINGLE-MODE FIBER RACK-TO-RACK COST: \$ N/A PER MDF/IDF SCENARIO

- D. BASED ON PRICING PROVIDED ABOVE FOR ITEMS 2A & 2B PLEASE PROVIDE EXTENDED PRICING FOR THE PROJECTED QUANTITIES BELOW. NOTE: CCSD RESERVES THE RIGHT TO INCREASE/DECREASE QUANTITIES (NOTE: THE QUANTITIES IDENTIFIED BELOW ARE THE CCSD CABLING SCENARIO REQUIRED FOR ALL CCSD SCHOOLS... THIS NETWORK MODEL WILL/MAY BE UTILIZED NUMEROUS TIMES TO ADDRESS SEVERAL SCHOOL PROJECTS).

ESTIMATED # OF "PER SET OF TWO" DROPS: 100

ESTIMATED # OF NETWORK CLOSETS (IDFs/MDFs): 2

676.06 cost
\$ 817.04 (for total of above quantities)

("UNION") \$ n/a (for total of above quantities)

REMEMBER TO CONSIDER THE LABELING, TESTING, DOCUMENTATION AND INSTALLING OF EQUIPMENT ALONG WITH CORRESPONDING PATCHING IN OF ALL DROPS AND UPLINKS WHEN CALCULATING YOUR PER/DROP AND PER/RACK PRICING SUBMITTALS AS THESE COMPONENTS ARE MANDATORY DELIVERABLES WITHIN THIS BID CONTRACT.

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Company Name: Reabah, Inc. dba Networking Technologies & Teceri Technologies

Signature:  Date: 1/30/17

Printed Name/Title: James J. Bahm, President & CEO

Phone Number: 814.836.0000 E-Mail: jbahm@net-cloud.com

CRAWFORD CENTRAL SCHOOL DISTRICT
11280 MERCER PIKE
MEADVILLE, PA 16335
BID #: YR200005

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RESPONDENT COMMENTS:

- E. DUE TO POTENTIAL DELAYS IN E-RATE FUNDING NOTIFICATION TO THE SCHOOL WHEN COMPARED TO AN IMMEDIATE SCHOOL NEED FOR SERVICES THERE MAY POTENTIALLY BE A NEED FOR THE PROJECT TO BE BROKEN INTO PHASES (I.E.: PHASE I WOULD NEED TO BE DONE DURING THE SUMMER TO ENSURE MINIMAL NETWORK COVERAGE FOR THE UPCOMING SCHOOL YEAR VERSES PHASE II WHERE E-RATE FUNDING IS GRANTED AND THE ENTIRE CABLING PROJECT CAN BE COMPLETED). IN ORDER TO ENSURE THAT THE AWARDED VENDOR CAN BE CALLED UPON TO WORK WITHIN SUCH CIRCUMSTANCES WITHOUT SUFFERING PRICING HARDSHIPS DUE TO SUBMITTED QUANTITY PRICING AND/OR MULTIPLE SITE STAGING WE HAVE INCLUDED ADDITIONAL PER/COST QUOTING BREAKDOWNS FOR PHASES. THIS PRICING WILL BE UTILIZED FOR ANY SUCH LIMITED QUANTITY NEEDS AS THE SCHOOL AWAITS E-RATE FUNDING NOTIFICATION. PLEASE SUBMIT ADDITIONAL PRICING ACCORDINGLY:

ESTIMATED COST "PER SET OF TWO" DROPS: UP TO 25

ESTIMATED COST OF NETWORK CLOSETS (IDFs/MDFs): 0

676.06 cat 6
cat 6A
\$817.04 (within above quantities)

("UNION") \$ n/a (for total of above quantities)

ESTIMATED COST "PER SET OF TWO" DROPS: 26 TO 50

ESTIMATED COST OF NETWORK CLOSETS (IDFs/MDFs): 1

676.06 cat 6
cat 6A
\$817.04 (within above quantities)

("UNION") \$ n/a (for total of above quantities)

ESTIMATED COST "PER SET OF TWO" DROPS: 51 TO 100

ESTIMATED COST OF NETWORK CLOSETS (IDFs/MDFs): 2

676.06 cat 6
cat 6A
\$817.04 (within above quantities)

("UNION") \$ n/a (for total of above quantities)

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CRAWFORD CENTRAL SCHOOL DISTRICT
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RESPONDENT COMMENTS: _____

E.) COST/HR. FOR RE-ROUTING/RE-TERMINATION SERVICES (IF NEEDED):

\$165.00 (within above quantities)

("UNION") \$ n/a (for total of above quantities)

BID CONDITIONS:

I. CONTRACT ITEMS/CONDITIONS:

- A. IF, FOR INTERNAL NEEDS, THE BID RESPONDENT WOULD REQUIRE ANY OTHER FORMAL DOCUMENT(S) TO BE SIGNED AND EXECUTED BY CCSD UPON AWARD OF THIS BID CONTRACT THEN FOUR (4) COPIES OF SAID DOCUMENT(S), **WITH ALL REQUIRED RESPONDENT SIGNATURES INTACT, MUST BE SUBMITTED WITH THIS BID CONTRACT DOCUMENT AND CORRESPONDING RESPONDENT PROPOSAL. THIS BID AND DUALY SIGNED CONTRACT AGREEMENT LETTER CONSTITUTES THE CONTRACT OF RECORD FOR THESE REQUESTED MATERIALS AND SERVICES.**
- B. NO CONTRACT LANGUAGE MAY BE INSERTED OR CONTAINED WITHIN ANY ADDITIONAL FORMAL DOCUMENTS THAT REFERS TO ANY ISSUES, PROVISIONS OR ADDITIONAL ITEMS NOT SPECIFICALLY DETAILED WITHIN THIS BID CONTRACT DOCUMENT.
- C. NO CONTRACT LANGUAGE MAY BE INSERTED INTO OR CONTAINED WITHIN ANY ADDITIONAL FORMAL DOCUMENT(S) THAT WOULD CONFLICT WITH THE FEDERAL E-RATE PROGRAM'S ELIGIBILITY REQUIREMENTS AND/OR GUIDELINES AS DEFINED BY THE SCHOOLS AND LIBRARIES DIVISION (SLD).
- D. NO CONTRACT LANGUAGE MAY BE INSERTED INTO OR CONTAINED WITHIN THE ANY ADDITIONAL FORMAL DOCUMENT(S) THAT WOULD REPLACE OR MAKE INVALID ANY STATEMENT OR CONDITION OUTLINED WITHIN THIS BID CONTRACT DOCUMENT.

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CRAWFORD CENTRAL SCHOOL DISTRICT
11280 MERCER PIKE
MEADVILLE, PA 16335
BID #: YR200005

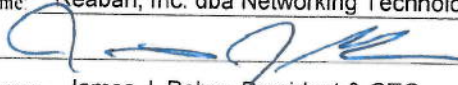
Sheet Number: 10 of 16

BID CONDITIONS (CONTINUED):

2. LIABILITY FOR TERMINATION OF SERVICES:
 - A. THERE SHALL BE NO LIABILITY LEVERAGED AGAINST CCSD FOR TERMINATION OF SERVICES TO ANY BUILDING/S THAT IS CLOSED OR IN SITUATIONS WHERE THE BUILDING/S LEASE(S) BECOMES NULL OR VOIDED.
 - B. THERE WILL BE NO LIABILITY FOR TERMINATION OR REDUCTION OF SERVICE/S AT ANY FACILITY FOR ANY REASON. CCSD IS ONLY REQUIRED TO PROVIDE FORMAL WRITTEN NOTIFICATION TO THE SERVICE PROVIDER/S FIVE (5) BUSINESS DAYS PRIOR TO ACTUAL DESIRED TERMINATION OF SERVICES.
 - C. ANY RESPONDENT WISHING TO SUBMIT A PROPOSAL TO THIS BID DOCUMENT MUST BE WILLING TO PARTICIPATE IN THE FEDERAL COMMUNICATIONS COMMISSION'S (FCC) UNIVERSAL SERVICE ORDER AS DETAILED IN THE TELECOMMUNICATIONS ACT OF 1996. CCSD WILL BE SUBMITTING FUNDING REQUESTS FOR ALL ELIGIBLE SERVICES TO THE SLD AND UPON VERIFICATION OF FUNDING WILL EXPECT THE AWARDED RESPONDENT TO PARTICIPATE IN THE PROGRAM.
 - D. CCSD WILL NOT BE HELD LIABLE FOR ANY UNPAID FEE(S) FOR ANY E-RATE ELIGIBLE PROJECT WHEREAS THE SLD FUNDING COMMITMENT WAS ISSUED AND CORRESPONDING SERVICES WERE LEVIED BUT IMPROPER PROCEDURES OR DELAYS FROM THE AWARDED SERVICE VENDOR DELAYS OR NEGATES CCSD E-RATE FUNDING AND SUBSEQUENT PAYMENT TO THE AWARDED SERVICE VENDOR.
 - E. CCSD AND/OR ITS RESOURCES (I.E.: E-RATE CONSULTANT) IS NOT RESPONSIBLE FOR PROVIDING CONTRACTED RESPONDENT WITH RESEARCH, CLERICAL AND/OR E-RATE PROGRAM VENDOR PROCESS ASSISTANCE.

3. THE LEVEL OF PARTICIPATION FROM THE RESPONDENT WILL INCLUDE THE FOLLOWING:
 - A. PROVIDE DISCOUNTED BILLING... WHEREAS CCSD WILL BE INVOICED DIRECTLY FOR ITS "FAIR-SHARE" PORTION OF ELIGIBLE SERVICES WHILE THE RESPONDENT DIRECTLY INVOICES THE E-RATE PROGRAM FOR THE REMAINING PORTION.

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BID CONDITIONS (CONTINUED):

- B. THE RESPONDENT MUST HAVE AN ACTIVE/VALID SPIN NUMBER AND PROVIDE IT BELOW. **FAILURE TO PROVIDE SPIN NUMBER WILL VOID THE RESPONDENT'S PROPOSAL.**

SPIN #: 143031254

- C. THE RESPONDENT MUST NOTE BELOW IF THEY ARE/WERE LISTED ON THE FCC "RED-LIGHT" STATUS LIST, SELECTIVE REVIEW LIST AND/OR PART OF
- D. ANY OTHER SLD INVESTIGATION(S). **FAILURE TO ANSWER THE QUESTION BELOW WILL VOID THE RESPONDENT'S PROPOSAL.**

RESPONDENT ON SLD FCC "RED-LIGHT" STATUS:

YES or NO
(Please indicate either "YES" or "NO")

RESPONDENT ON SELECTIVE REVIEW LIST:

YES or NO
(Please indicate either "YES" or "NO")

RESPONDENT ON PART OF ANY OTHER SLD INVESTIGATION(S) LIST:

YES or NO
(Please indicate either "YES" or "NO")

- E. THE SUCCESSFUL VENDOR MUST IDENTIFY CCSD IN WRITING, E-MAIL AND VIA VOICE WHEN/IF THEY SHOULD HAPPEN TO BECOME ENGAGED IN ANY SLD INVESTIGATIONS AND/OR AUDITS WHICH MAY RESULT IN EXTENDED DELAYS OF SERVICE FUNDING AWARDS. ANY SUCH NOTIFICATION MUST BE MADE WITHIN 10 BUSINESS DAYS OF THE VENDOR BEING NOTIFIED OF SAID INVESTIGATION(S)/AUDIT.
- F. SHOULD THE SUCCESSFUL VENDOR BECOME RED-LIGHTED BY THE FCC OR BECOME ENGAGED IN OTHER SLD INVESTIGATIONS RESULTING IN EXTENDED DELAYS OF SERVICE FUNDING AWARDS CCSD SHALL HAVE THE RIGHT TO TERMINATE THE CONTRACT AND SELECT ANOTHER VENDOR WITHOUT PENALTY OR COSTS.
- G. ALL INVOICING WILL MEET CCSD'S STIPULATIONS AND BE DELIVERED IN A TIMELY MANNER. INVOICING WILL BE ACCEPTABLE IN ELECTRONIC FORMAT.

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CRAWFORD CENTRAL SCHOOL DISTRICT
11280 MERCER PIKE
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BID CONDITIONS (CONTINUED):

4. CONTRACT REDUCTION/MODIFICATION:
 - A. IF, DURING THE COURSE OF THE CONTRACT, CHANGES IN TECHNOLOGY, THE ECONOMY, OR ANY OTHER CONTRIBUTING FACTOR PROVIDE THE NEED FOR MORE COSTLY SERVICES THE SELECTED VENDOR CANNOT LEVY THESE COST INCREASES UPON CCSD.

5. UPON AWARD OF THIS CONTRACT TO THE SUCCESSFUL RESPONDENT IT WILL BE THE RESPONDENT'S IMMEDIATE RESPONSIBILITY TO OBTAIN REQUIRED BACKGROUND CHECKS (PENNSYLVANIA STATE POLICE CRIMINAL RECORD CHECK [ACT 33/34] AND PENNSYLVANIA CHILD ABUSE HISTORY CLEARANCE [ACT 151]) FOR ALL EMPLOYEES, CONTRACTORS AND SUB-CONTRACTOR RESOURCES THAT WILL BE WORKING ONSITE WITHIN THE SCHOOLS OR HAVING ACCESS AND/OR INTERACTION EITHER DIRECTLY OR REMOTELY, TO CCSD STAFF, STUDENTS, DATA/INFORMATION STORED ON AND COMPUTER AND/OR NETWORK EQUIPMENT. COPIES OF ALL CLEARANCES AND A PHOTO STATIC COPY OF EACH OF THE RESPONDENT'S PROJECT RESOURCES WILL BE DELIVERED CCSD AT THE ADMINISTRATION BUILDING.

6. CCSD WILL CONSIDER BIDS THAT LEVERAGE SUBCONTRACTORS AS LONG AS THE IDENTIFIED SUBCONTRACTOR/S, THROUGH THE AWARDED VENDOR OF THIS BID CONTRACT, PROVIDES THE ABOVE DESCRIBED CLEARANCES AND ABIDES BY THE SAME GUIDELINES OUTLINED IN THIS BID. IT SHOULD BE NOTED THAT THE AWARDED VENDOR FOR THIS BID ACCEPTS ALL RESPONSIBILITIES AND LIABILITIES FOR ANY SUBCONTRACTORS THEY CHOSE TO LEVERAGE AND THEIR WORKMANSHIP RELATIVE TO THIS CONTACT'S REQUIREMENTS. ALL INVOICING SHALL BE COMPLETED THROUGH THE AWARDED PRIMARY VENDOR.

7. CONTRACTOR SHALL MAINTAIN THROUGHOUT THE ENTIRE TERM OF THIS AGREEMENT, ADEQUATE GENERAL LIABILITY INSURANCE PROVIDING COVERAGE AGAINST LIABILITY FOR BODILY INJURY, DEATH, AND PROPERTY DAMAGE THAT MAY ARISE OUT OF OR BE BASED UPON ANY ACT OR OMISSION OF CONSULTANTS OR ANY OF THEIR EMPLOYEES, AGENTS OR SUBCONTRACTORS. PROOF OF SUCH COVERAGE MUST BE SUBMITTED WITH RESPONDENT'S PROPOSAL. PROOF SHALL INCLUDE CERTIFICATES FROM THEIR INSURERS INDICATING THE AMOUNT OF INSURANCE COVERAGE, THE NATURE OF SUCH COVERAGE, AND THE EXPIRATION DATE OF EACH APPLICABLE POLICY.

8. IT IS THE RESPONDENT'S RESPONSIBILITY TO ENSURE ANY/ALL SUB-CONTRACTORS UTILIZED BY THE RESPONDENT COMPLY WITH ALL STIPULATIONS WITHIN THIS BID CONTRACT.

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MEADVILLE, PA 16335
BID #: YR200005

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BID CONDITIONS (CONTINUED):

9. CONTRACTOR AGREES TO ADHERE TO ALL OF CCSD POLICIES AND PROCEDURES CONCERNING CODE AND CONDUCT WHILE ON CCSD PREMISES AND IS DIRECTLY RESPONSIBLE FOR ANY SUB-CONTRACTORS LEVERAGED BY THE PRINCIPAL CONTRACTOR REGARDING TO CONDITIONS, MANDATES, POLICIES, PROCEDURES, CODE, CONDUCT AND OTHER STIPULATIONS AS OUTLINE IN THIS BID CONTRACT DOCUMENT.
10. CONTRACTOR SHALL ONLY UTILIZE, AND IS REQUIRED FOR SERVICE/SUPPORT PURPOSES, TO PROVIDE TECHNICIANS HOLDING CERTIFICATIONS FOR THE PROPER WORK BEING PERFORMED WHILE ON CCSD PREMISES.
11. DUE TO A REQUIREMENT LEVIED ON THE SCHOOL FOR THIS PROJECT PREVAILING WAGES ***MUST*** BE LEVERAGED FOR ALL ITEMS WITHIN THIS BID. ADDITIONALLY, SECONDARY PRICING IS REQUIRED TO ADDRESS POTENTIAL "UNION" REQUIREMENTS...PLEASE PROVIDE PRICING FOR BOTH OPTIONS.
12. "INSTALLATION" FOR THE PURPOSE OF THIS BID CONTRACT IS DEFINED AS THE ACTIONS OF PICKING UP EQUIPMENT (ALL E-RATE ELIGIBLE) FROM CCSD AND DELIVERING IT TO THE PROJECT SITE UPON WHICH THE CONTRACTOR WILL ASSEMBLE AND MOUNT ALL IDENTIFIED EQUIPMENT (OR SIMILAR DEVICES) WITHIN THE DESTINATION RACKS AS IDENTIFIED ON THE NETWORK RISER ATTACHMENTS ACCOMPANYING THIS BID DOCUMENT. ADDITIONALLY, ALL PATCH CABLES WILL THE BE INSTALLED INTO THE EQUIPMENT (FIBER AND CAT 6) AND LABELED/MANAGED ACCORDING TO SPECIFICATIONS. ACTUAL CONFIGURATION OF THE DEVICES WILL BE ADDRESSED VIA A SEPARATE CONTRACT WHICH DOES NOT PRETAIN TO THIS BID.
13. **THIS BID CONTRACT DOCUMENT, BEING FULLY SIGNED AND DATED BY THE AWARDED RESPONDENT, IN ADDITION WITH A SIGNED AND DATED (BY BOTH PARTIES) "CONTRACT AGREEMENT" LETTER IS THE ONLY CONTRACT OF RECORD FOR THE SERVICES OUTLINED WITHIN. NO OTHER SUBMITTED OR SUBSEQUENT FORMS, DOCUMENTS, MATERIALS, ETC. CAN/WILL SUPERCEDE, LIMIT OR NEGATE RESPONSIBILITIES, DELIVERABLES OR ANY OTHER ITEMS/CRITERIA IDENTIFIED WITHIN THIS DOCUMENT OR ADDITIONAL CORRESPONDING SUPPORT DOCUMENTATION.**

NOTE OF VENDOR RESPONSIBILITY - IT SHOULD BE UNDERSTOOD THAT IT IS THE VENDOR'S RESPONSIBILITY TO NOTIFY THE SCHOOL DIRECTLY VIA E-MAIL AND PHONE CALL OF ANY ANTICIPATED AND/OR IDENTIFIED EXTENDED SERVICE OUTAGES AND/OR DELAYS. VENDOR WILL BE HELD RESPONSIBLE FOR ANY COSTS INHERITED BY THE SCHOOL DUE TO EXTENDED SERVICE DELAY(S) IF EFFORT TO COMMUNICATE SUCH DELAYS IS NOT EXTENDED IN A TIMELY FASHION.

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INSTALLATION METHODOLOGY:

ALL INSTALLATION WORK DONE AS PART OF PROJECT(S) WILL CONFORM TO THE FOLLOWING GUIDELINES:

- LOCAL CODES
- LATEST EDITION OF THE NATIONAL ELECTRIC CODE
- LATEST EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE
- ANSI/TIA 568-C.0, C.1, C.3 AND ALL PUBLISHED ADDENDA
- ANSI/TIA/EIA 569-B AND ALL PUBLISHED ADDENDA
- ANSI/TIA/EIA 606-A
- ANSI-J STD-607-A
- ANSI/TIA/EIA-758-A
- THE CURRENT EDITION OF THE BICSI INSTALLATION TRANSPORT SYSTEM INSTALLATION REFERENCE MANUAL
- THE CURRENT EDITION OF THE BICSI TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL
- THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATIONS.

NOTE: WHERE CONFLICTS EXIST BETWEEN ANY TWO OR MORE REFERENCED GUIDELINES, THE ISSUE CAN BE RESOLVED BY USING THE ABOVE LIST. THE HIGHER THE REFERENCE IS LOCATED ON THE LIST, THE MORE AUTHORITY IT HAS WITH LOCAL CODES BEING HIGHEST AND MANUFACTURER'S GUIDELINES BEING THE LOWEST.

WARRANTY:

MANUFACTURER'S MATERIALS AND CORRESPONDING VENDOR'S WORKMANSHIP AS SPECIFIED AND FURNISHED SHALL BE FULLY GUARANTEED BY THE VENDOR FOR A MINIMUM OF YEARS (AS IDENTIFIED BY THE VENDOR IN THE PRICING SCHEDULE PORTION OF THIS BID) FROM TRANSFER OF TITLE AGAINST ANY DEFECTS. DEFECTS WHICH MAY OCCUR AS THE RESULT OF FAULTY MATERIALS OR WORKMANSHIP WITHIN ONE YEAR AFTER INSTALLATION AND ACCEPTANCE BY CCSD SHALL BE CORRECTED BY THE VENDOR AT NO ADDITIONAL COST TO THE OWNER. THE VENDOR SHALL PROMPTLY, AT NO COST TO THE OWNER, CORRECT OR RE-PERFORM (INCLUDING MODIFICATIONS OR ADDITIONS AS NECESSARY) ANY NON-CONFORMING OR DEFECTIVE WORK WITHIN ONE YEAR AFTER COMPLETION OF THE PROJECT OF WHICH THE WORK IS A PART. THE PERIOD OF THE VENDOR'S WARRANTY FOR ANY ITEM(S) SO DESCRIBED HEREIN ARE NOT EXCLUSIVE REMEDIES, AND CCSD HAS RECOURSE TO ANY WARRANTIES OF ADDITIONAL SCOPE GIVEN BY THE VENDOR TO THE OWNER AND ALL OTHER REMEDIES AVAILABLE AT LAW OR IN EQUITY. THE VENDOR'S WARRANTIES SHALL COMMENCE

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WARRANTY (CONTINUED):

WITH ACCEPTANCE OF/OR PAYMENT FOR THE WORK IN FULL, THE VENDOR SHALL PROVIDE CCSD WITH A SAMPLE CERTIFICATION FORM TO BE SUBMITTED BY THE VENDOR TO THE MANUFACTURER TO PROCURE THE MANUFACTURER'S CERTIFICATION AND WARRANTY. ON COMPLETION OF THE WORK SAID CERTIFICATION AND WARRANTY WILL BE PROVIDED TO CCSD IN WRITING BEFORE FINAL PAYMENT IS MADE TO THE VENDOR.

IF THE VENDOR PROCURES EQUIPMENT OR MATERIALS UNDER THE CONTRACT, THE VENDOR SHALL OBTAIN FOR THE BENEFIT OF THE OWNER EQUIPMENT AND MATERIALS WARRANTIES AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP TO THE EXTENT SUCH WARRANTIES ARE REASONABLY OBTAINABLE.

THIS WARRANTY SHALL IN NO MANNER COVER EQUIPMENT THAT HAS BEEN DAMAGED OR RENDERED UNSERVICEABLE DUE TO NEGLIGENCE, MISUSE, ACTS OF VANDALISM, OR TAMPERING BY CCSD OR ANYONE OTHER THAN EMPLOYEES OR AGENTS OF THE VENDOR. THE VENDOR'S OBLIGATION UNDER ITS WARRANTY IS LIMITED TO THE COST OF REPAIR OF THE WARRANTED ITEM OR REPLACEMENT THEREOF, AT THE VENDOR'S OPTION. INSURANCE COVERING SAID EQUIPMENT FROM DAMAGE OR LOSS IS TO BE BORNE BY THE VENDOR UNTIL FULL ACCEPTANCE OF EQUIPMENT AND SERVICES.

FINAL ACCEPTANCE:

THE INFORMATION TRANSPORT SYSTEM WILL BE DEEMED ACCEPTABLE FOR FINAL ACCEPTANCE WHEN THE FOLLOWING CONDITIONS ARE MET:

- CABLES ARE 100% FREE OF DEFECTIVE PAIRS OF COPPER AND FIBER STRANDS (AS PER TESTING AND VISUAL INSPECTION)
- ANSI/TIA-568-C SERIES COMPLIANT TEST RESULTS ON ALL CABLING/WIRING ARE PROVIDED TO THE SCHOOL'S CONSULTANT AT ERATESUPPORT2017@ADVANEDGESOLUTIONS.COM IN BOTH PAPER AND DIGITAL FORMAT
- WRITTEN CONFIRMATION AND RECEIPT OF WARRANTY SUBMISSIONS HAVE BEEN PROCESSED AND CONFIRMED THROUGH HUBBELL PREMISE WIRING/EQUIVALENT PROGRAM

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BID SCORING CRITERIA:

ANY RFP SCORING CRITERIA LEVERAGED FOR THIS SERVICE BID WILL BE AS POSTED AT THE BOTTOM OF THE CORRESPONDING BID SPREADSHEET PREVIOUSLY IDENTIFIED ABOVE. FOR ALL QUALIFYING BIDS (THOSE ABIDING BY STIPULATIONS RE: DISQUALIFIERS AS IDENTIFIED ON PAGE 2 OF THIS DOCUMENT) COST WILL BE THE HEAVIEST WEIGHTED FACTOR AS REQUIRED BY THE E-RATE PROGRAM.

FINAL BID CONDITION - SERVICE PROVIDER MUST COMPLETE. SIGN (AT THE AREAS MARKED WITH "X") AND RETURN ONE HARD COPY OF THE ATTACHED "CONTRACT AGREEMENT" AND INCLUDE AN ELECTRONIC COPY (ON USB FLASH OR THUMB DRIVE) OF THE FILLED-OUT EXCEL SPREADSHEET (IN UNLOCKED EXCEL FORMAT) RENAMED WITH "- (insert vendor name)" AT END OF FILE NAME. ALSO, BE SURE TO RESPOND TO THE E-MAIL RESPONSE CONDITION STATED ON THE 1ST PAGE OF THIS DOCUMENT IN ITEM #3.

NOTE THAT ONLY THE AREAS MARKED WITH "X" ARE TO BE COMPLETED BY THE RESPONDENT. THE SCHOOL WILL COMPLETE THE REMAINING ITEMS. CONTINGENT UPON AWARD OF THIS CONTRACT, THIS LETTER WILL BE RETURNED TO THE SELECTED VENDOR DUALY SIGNED BY CCSD AND WILL SERVE IN CONJUNCTION WITH THE RESPONDENT'S SIGNED BID PROPOSAL (I.E.: THIS DOCUMENT) AS THE OFFICIAL CONTRACT FOR SERVICES. ANY RESPONSES WHICH DO NOT INCLUDE SIGNATURES ON EVERY BID PAGE (AS INSTRUCTED), SIGNED CONTRACT AGREEMENT DOCUMENT (AS INSTRUCTED), AND/OR COMPLETED RESPONDENT SPREADSHEET RETURNED IN EXCEL FORMAT AND FILLED OUT AS INSTRUCTED WILL BE CONSIDERED INCOMPLETE AND NOT ACCEPTED.

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CABLING BID #YR200005

ATTACHMENT B - STD & SPECS

Note: All new drops should run to the closest existing or to be installed IDF/MDF network closets on the floors they reside unless otherwise pre-identified by vendor in writing (stating challenges/justifications) and approved by school.

Narrative Section:

It is the goal of this Bid Contract Project(s) and supplied specifications/diagrams to provide a complete workable LAN system. Any item not specifically shown on the riser or called for in the specifications, but normally required conforming to this intent, are to be considered a part of the contract. The risers and specifications are not intended as a complete materials list of items required by the contractor.

Contractor must provide all items and work indicated within all documentation submitted with this RFP process (and via a scheduled site evaluation visit as identified within the RFP) and all items and work called for in the specifications. This includes labor, materials, incidentals, equipment, appliances, services, tools, test equipment, supervision, consumable items, fees, licenses, insurance, etc., to provide a complete cabling system. No "change-orders" or additional charges can be levied against this project unless there is a written and signed document detailing and requesting such changes. Any costs above and beyond the submitted amount from the contractor for this project will be absorbed by the contractor unless changes/additions are made by school post-RFP award.

Cable Specs:


Intra-building UTP:

All cabling must meet IEEE specs for CAT 6 (or greater) plenum cabling. Corresponding patch panels and wall jacks are also to be rated accordingly for the Category cabling specifications. All horizontal cable used must meet or exceed the requirements of ANSI/TIA 568-C.0, .1, .2, .3 and must be BerkTek LANmark-1000 Category 6, CMP rated, unshielded twisted pair (UTP) or equivalent which is recognized under the Hubbell Warranty/Certification Program or an equivalent certification. Any Category 6A cabling must be BerkTek LANmark-XTP CMP rated, Unshielded Twisted Pair (UTP) or equivalent which must also be recognized under the Hubbell Warranty/Certification Program or equivalent certification.

All copper termination hardware and modular jacks will meet or exceed the requirements of ANSI/TIA 568-C.0, C.1, C.2 and will be Category 6 and/or Category 6A, T568-B pin out. All termination hardware used for UTP will be from Hubbell Premise or equivalent and will carry a twenty-year (minimum) warranty. The installation will be certified as a manufacturer certified installation on completion of the project.

Patch Cords:

All patch cables must be booted Category 6 or greater and shall be color coded as specified. All patch cables must be three (3) foot in length at the patch panel and ten (10) foot in length at the wall jack. All patch cables required must be provided by the contractor.

AUTHORIZED VENDOR REP. SIGNATURE: 
PRINTED NAME/COMPANY: Reabah, Inc. dba Networking Technologies & Teceri Technologies
PROJECT SCHOOL NAME: Crawford Central School District

CABLING BID #YR200005

ATTACHMENT B - STD & SPECS

Intra-building Fiber:

12 strand Multi-mode plenum backbone cable of 10gb or greater specifications capable of providing 10Gbs Ethernet up to 300 meters, from the main MDF to each IDF unless a 62.5 solution is identified instead as TBD/specified by the school. High-strength. Physical specifications minimum of 62.5/125 or 50 micro, tight buffered, multi-mode optical fiber cable. 900 micro buffer, EIA/TIA 568, IEEE 802 compliant. In addition, an optical fiber backbone cable shall be sized to provide a minimum of six (6) strands of 8.3/125µm, OFCP, tight buffered cable, capable of operating at 1310nm, 1450nm, 1550nm and 1650nm wavelengths where warranted within the building/school campus.

The model numbers for intrabuilding backbone cabling used shall be as follows:

- BerkTek Armor-Tek GIGAlite-10 12 strand – PDPK012EB3010/F5 or equivalent
- BerkTek Armor-Tek 6 strand SM - PDPK006AB0707 or equivalent

Fiber patch cords:

Length to be 1 meter...Final patch cable specifics/needs should be verified with equipment contractor prior to ordering to ensure coordination between the network fiber termination and the actual equipment needs.

Labeling:

All cable types are to be labeled at both ends with machine generated black uppercase lettering on a permanent adhesive label stock, covered with a permanent water resistant sealer. Patch cords at the patch panel should be labeled with the corresponding room and drop number (ex. 101-1). Fiber patch cords should be labeled with the room and switch number of the corresponding equipment (ex. IDF-100 SW-1).

Color codes for Patch Cables:

- All patchpanel-to-equipment cables are to be Blue except those that are for WAPs which should be Yellow. All cables should be managed neatly and utilize acceptable cable-management components.
- All CAT 6 (or greater) cables used for equipment uplinks must be Red, labeled as specified and managed
- All cables from the wall jacks located in the various rooms for attaching equipment to the network do not have to be labeled, but must be a minimum of 10 feet in length, CAT 6 or greater rated and booted at both ends and Grey in color.

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ATTACHMENT B - STD & SPECS

Testing:

All final test reports shall be notarized. The original and two copies shall be turned over to the owner at time of project completion and an electronic copy e-mailed to eratesupport2017@advanedgesolutions.com with the **“(school name) YR200005 CABLING SERVICE TEST RESULTS”** noted in the subject line.

After installation of fiber connectors, visually inspect each fiber end-face at 10X magnification. Refinish any fibers showing visible defects and/or striations in the core area. Perform end-to-end, bi-directional attenuation (loss) test for each fiber strand at 850nm and 1300nm wavelengths. Conduct tests in accordance with EIA/TIA-525-14, method B and with test instrument manufacturer's printed instructions. All Intra-building CAT 6 or greater cabling shall be tested end-to-end.

Documentation:

Contractor is responsible for providing electronic documentation of network cabling location terminations (by rack) and corresponding final network layout.

Basic Network Structure Summary:

The network cabling infrastructure being requested will consist of the following deliverables unless otherwise noted:

- 12 strand vertical fiber backbone to run from each new IDF network closet (one total run)...terminating in the Ground floor network MDF closet. Fiber must be enclosed in interduct and draw-cord must be intact within interdict upon completion of job. All fiber must be labeled at both ends with wrap-around, tear-resistant labeling. No use of any existing occupied interduct is permitted.
- All Network IDFs/MDF require a wall-mounted, deep rack (22" or greater) which must be mounted on 3/4" plywood which must be painted to match (somewhat) the original background wall. Mounted unit should be capable of safely supporting all equipment including a UPS. In the event that the school requires a floor-mounted (enclosed or open design) then said racks must be provided accordingly at either no cost, or a cost must be provided as part of the Bidder's bid response.
- Any required network down-time **MUST** be pro-actively coordinated with the school's Technical Support staff/resource in writing/via e-mail.
- Location of all rack assemblies to be installed should be placed so that existing electrical outlets can be leveraged where the opportunities exist.

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PROJECT SCHOOL NAME: Crawford Central School District

CABLING BID #YR200005


ATTACHMENT B - STD & SPECS

- Contractor is responsible for addressing all conduit and/or fiber inter-duct needs as part of their submitted pricing. ALL CONDUIT AND JUNCTION BOXES MUST BE SECURELY FASTENED WITH APPROPRIATE SCREWS, WASHERS AND/OR WALL-MOUNTING SYSTEMS...ADHESIVE-ONLY INSTALLATIONS ARE NOT ACCEPTABLE. All corners and room-to-room or junction box terminations must me neatly metered with no exposed cabling.
- All cables must be managed at the IDF/MDF closets with industry acceptable components such as cable guides, Velcro, wire ties, conduit and cabling trays. Use of tape, string, wire and other similar materials will not be accepted. *if in doubt ask for approval before installing!!!*
- Contractor is responsible for all trash removal and clean-up at the end of every shift so as not to impede everyday school operation. Use of drop clothes/tarps strongly suggested to ensure that dust/debris is managed accordingly.
- It is the contractor's responsibility to address all aspects of aesthetics in regards to repairing cracks, holes and similar defects; including touch-up painting where needed which are direct results of the contracted work being performed.
- Contractor is responsible of migration of any existing drops, panels or other network components and incorporating them into the new network scheme/scenario being implemented.
- A post-job inspection will be done before final signoff to ensure that all specifications, labeling standards, terminations and defined deliverables are met.

Grounding and Bonding

All grounding and bonding for this project will be in accordance with the requirements of ANSI J Std-607-A, current edition/version of the National Electric Safety Code and the latest edition of the National Electric Code. All provisions contained in these three documents referencing "should", "would", "could", etc. implying suggested actions. These references are mandatory in regards to all project(s) cabling scope.

All racks and metals are to be tied into the Telecommunications Bonding Backbone. All active equipment within the equipment racks is to be grounded as well in the event they need said grounding due to not being incorporated as part of the total rack solution (attached via bolts to rack).

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 PROJECT SCHOOL NAME: Crawford Central School District

CABLING BID #YR200005

ATTACHMENT B - STD & SPECS

Equipment/Component List (To Be Provided by Cabling Contractor) Appropriately Rated as per Latest Specifications via the Standards Identified within the Bid:

- 24 Port CAT 6 (or greater) Patch Panels: **TBD by Contractor**
- 48 Port CAT 6 (or greater) Patch Panels: **TBD by Contractor**
- 96 Port CAT 6 (or greater) Patch Panels: **TBD by Contractor**
- Wall-mount Network Racks: **TBD by Contractor**
- Floor-mount open or enclosed Network Racks: **TBD by Contractor/School during post-award walk-through**
- Fiber Distribution Panels w/Connectors: **TBD by Contractor**
- IDF/MDF 3 ft. Blue Booted CAT 6 (or greater) Patch Cables: **TBD by Contractor**
- IDF/MDF 3 ft. Red Booted CAT 6 (or greater) Patch Cables: **TBD by Contractor**
- Fiber Patch Cables: **Quantity & any length adjustments from spec to be determined by Contractor**
- Wall Jack CAT 6 (or greater) 10 ft. Yellow Booted Patch Cables: **TBD by Contractor**
- 12-ST (12 fibers) Multimode Rack Mount Fiber Cabinets: **TBD by Contractor**
- 24-ST (24 fibers) Multimode Rack Mount Fiber Cabinets (MDF Location): **TBD by Contractor**
- CAT 6 (or greater) Jacks: **TBD by Contractor**
- CAT 6 (or greater) Wall Plates: **TBD by Contractor**
- CAT 6 (or greater) Patch Cables w/ Boots 10ft. Grey: **TBD by Contractor**
- CAT 6 (or greater) Patch Cables w/ Boots 3-5ft. Blue: **TBD by Contractor**
- CAT 6 (or greater) Patch Cables w/ Boots 3ft. Red: **TBD by Contractor**
- CAT 6 (or greater) Patch Cables w/ Boots 3-5ft. Yellow: **TBD by Contractor**
- 3Meter SC-LC MMF Patch Cables: **TBD by Contractor**
- Single Mode patch cables as/if needed at 3 Meter length: **TBD by Contractor**
- (Bulk) CAT 6 (or greater) Solid Plenum Rated Cable as per min. specifications: **TBD by Contractor**
- (Bulk) 6-12 strand MMF as per min. specifications: **TBD by Contractor**
- (Bulk) 6 (or less if warranted) strand SMF as per min. specifications: **TBD by Contractor**

*** Any/All spare cables to be given directly to school technical staff**

NOTE: The above list is to be used as a reference guide to assist in the bidding process. It should be noted that the list is only provided to assist in the evaluation process and is not necessarily a comprehensive list of all materials required to complete the project. The Contractor is responsible for identifying and providing all required components in sufficient quantities necessary to complete the project within the specifications outlined in the RFP Contract. No additional add-on costs will be permitted outside of the "Per drop/per closet" pricing provided in the Bid response submitted by the awarded contractor for this Bid Project. Thus, said submitted pricing should take into consideration not only the labor but all related materials. Omission of any item needed to complete the project is solely the responsibility (purchase and payment) of the contractor unless change in scope by the school dictates additional post-e-rate application submittal cost adjustment. Any such challenge must be pro-actively identified by the contractor in writing before implementation and be approved before execution.

The following E-Rate acquired electronics may/will be provided by the school to the contractor at time of installation so all equipment/components can be assembled for a full operating system:

- Layer 2 or better 24-48 Port Switches (POE and non-POE)
- Layer 2 or better 12 Port SFP Switches
- Assorted Switch Modules
- Wireless Access Points (to be mounted by Cabling Contractor at defined locations)
- Rack Mount UPS Devices

AUTHORIZED VENDOR REP. SIGNATURE: _____

PRINTED NAME/COMPANY: Reabah Inc. dba Networking Technologies & Teceri Technologies

PROJECT SCHOOL NAME: Crawford Central School District

2017/2018 POTENTIAL E-RATE NETWORK CABLING SERVICES RFP PROCESS

SCHOOL: CRAWFORD CENTRAL SD
 BID NUMBER: CCSD YR200005
 SUBJECT ITEM: NETWORK CABLING SERVICES

RE-470 APPLICATION #: 170058954
 NOTE: RESPONDENT IS REQUIRED TO SUBMIT FILLED OUT WORKSHEETS FOR BID SERVICES FOR WHICH THEY ARE RESPONDING TO. FINAL VENDOR COMPLETED EXCEL FILE MUST BE SUBMITTED IN EXCEL FORMAT BACK TO SCHOOL AS INSTRUCTED. **AFTER** THE VENDOR REMAINS THE DOCUMENT TO INCLUDE "VENDOR ASSIST" AT THE END OF THE DOCUMENT NAME. (EX. "CCSD YR20 EQUIP BID SPREADSHEET -ACME CABLING COMPANY").

INSTRUCTIONS:
 LISTED BELOW ARE VARIOUS NETWORK CABLING SERVICE PRICING OPTIONS. THE INTERESTED RESPONDENT IS TO POPULATE THE RESPONDENT FIELDS (HIGHLIGHTED IN LIGHT PURPLE AND MARKED WITH AN "X" OR "\$0.00") WHERE INSTRUCTED WITH THEIR SERVICE PRICING (SHOULD CORRESPOND TO PRICING SUBMITTED IN THE VENDOR-SIGNED BID/CONTRACT DOCUMENT WHICH IS ALSO TO BE SUBMITTED AS PART OF THE RESPONSE TO THIS SERVICE BID OPPORTUNITY. IT SHOULD BE NOTED THAT THERE ARE NO GUARANTEES OF SPECIFIC QUANTITIES IMPLIED FOR FINAL ORDERING. IF INSTALLATION COSTS ARE THE SAME NO MATTER WHAT QUANTITY IS ORDERED THEN THE RESPONDENT MUST ENTER THAT AMOUNT IN ALL INSTALLATION COSTS FIELDS. THE PRICING AND SOLUTIONS PROVIDED BY THE RESPONDENT ON THIS WORKSHEET MUST ALSO ABIDE BY ALL BID CONDITIONS AS OUTLINED IN THE SIGNED BID/CONTRACT DOCUMENT. THE SCHOOL RESERVES THE RIGHT TO AWARD BID SERVICE ITEMS TO MORE THAN ONE VENDOR IF SCHEDULED/DEADLINE OF PROJECT COMPLETION IS ANTICIPATED TO BE A CHALLENGE. DETERMINATION BY THE SCHOOL WILL BE BASED ON SPECIFIC NEEDS, DEADLINES, ADVANTAGES/CHALLENGES AND VENDOR SUPPLIED INPUT AS SUBMITTED BELOW. PLEASE FOLLOW ALL INSTRUCTIONS IN FULL AS PRESENTED TO ENSURE THAT YOUR BID RESPONSE IS VALID AND CAN BE ACCEPTED ACCORDINGLY.

RESPONDENT NAME: Reabah dba Networking Technologies & Tecerl Technologies SPIN 143031254		RESPONDENT CONTACT NAME: Karen Butts	
CONTACT E-MAIL: karen@net-cloud.com		CONTACT PHONE: 814.836.0000 x 121	
ITEM #:	ITEM/SERVICE DESCRIPTION:	MINIMAL SERVICE REQUIREMENTS:	NON-UNION COST PER "DROP" (2 CAT. 6 PORTS):
2A.) (FIRST TWO SERVICE COST ITEMS)	IDENTIFY COSTS FOR SERVICE ITEM BELOW BASED ON REQUIREMENTS AND CRITERIA IDENTIFIED WITHIN THIS BID CONTRACT DOCUMENT AND CORRESPONDING SUPPORT DOCUMENTS MENTIONED AND INCLUDED WITH THIS BID PACKAGE/POSTING. NOTE THAT THERE ARE AREAS FOR VARIOUS PRICING SUBMITTALS...ONE FOR BASE INSTALLATION, ONE INCORPORATING ANY UNION AND/OR OTHER LABOR CHARGES WHICH MAY BE REQUIRED AND A "PHASED" INSTALLATION PRICING SECTION IF POTENTIALLY NEEDED. PLEASE PROVIDE SPECIFIC PRICING AS REQUESTED FOR EACH UNIQUE SCENARIO. VENDOR MUST RESPOND AT ALL AREAS WITH "\$0.00" AND "X's". - COST PER SET OF TWO (2) CAT. 6 NETWORK DROPS: (BASED ON FULL PROJECT ESTIMATED QUANTITIES AS IDENTIFIED WITHIN CORRESPONDING BID/CONTRACT DOCUMENT OBTAINED WITH THIS EXCEL SPREADSHEET DOCUMENT).	(See scope of work/requirements as defined in corresponding posted bid/contract document and supporting attachments)	\$676.06
		RESPONDENT COMMENT (if needed):	UNION COST PER "DROP" (2 CAT. 6 PORTS):
		Hitachi 25 Year Cable Warranty; Lifetime Warranty on Jacks and Patch Panels	n/a
ITEM #:	ITEM/SERVICE DESCRIPTION:	MINIMAL SERVICE REQUIREMENTS:	NON-UNION COST PER "DROP" (2 CAT. 6A PORTS):
2A.) (3RD AND 4TH SERVICE COST ITEMS)	IDENTIFY COSTS FOR SERVICE ITEM BELOW BASED ON REQUIREMENTS AND CRITERIA IDENTIFIED WITHIN THIS BID CONTRACT DOCUMENT AND CORRESPONDING SUPPORT DOCUMENTS MENTIONED AND INCLUDED WITH THIS BID PACKAGE/POSTING. NOTE THAT THERE ARE AREAS FOR VARIOUS PRICING SUBMITTALS...ONE FOR BASE INSTALLATION, ONE INCORPORATING ANY UNION AND/OR OTHER LABOR CHARGES WHICH MAY BE REQUIRED AND A "PHASED" INSTALLATION PRICING SECTION IF POTENTIALLY NEEDED. PLEASE PROVIDE SPECIFIC PRICING AS REQUESTED FOR EACH UNIQUE SCENARIO. VENDOR MUST RESPOND AT ALL AREAS WITH "\$0.00" AND "X's". - COST PER SET OF TWO (2) CAT. 6A NETWORK DROPS: (BASED ON FULL PROJECT ESTIMATED QUANTITIES AS IDENTIFIED WITHIN CORRESPONDING BID/CONTRACT DOCUMENT OBTAINED WITH THIS EXCEL SPREADSHEET DOCUMENT).	(See scope of work/requirements as defined in corresponding posted bid/contract document and supporting attachments)	\$817.04
		RESPONDENT COMMENT (if needed):	UNION COST PER "DROP" (2 CAT. 6A PORTS):
		Hitachi 25 Year Cable Warranty; Lifetime Warranty on Jacks and Patch Panels	n/a

NOTE: REMEMBER TO CONSIDER THE LABELING, TESTING, DOCUMENTATION AND INSTALLING OF EQUIPMENT ALONG WITH CORRESPONDING PATCH CABLES (CAT.6 BOOTED AND ANY REQUIRED FIBER PATCH CABLES AS SPECIFIED IN SUPPORTING DOCUMENTATION ACCOMPANYING THIS BID) AND PATCHING IN OF ALL DROPS AND UPLINKS WHEN CALCULATING YOUR PER/DROP AND PER/RACK PRICING SUBMITTALS AS THESE COMPONENTS ARE MANDATORY DELIVERABLES WITHIN THIS BID CONTRACT.

NOTE: REMEMBER TO CONSIDER THE LABELING, TESTING, DOCUMENTATION AND INSTALLING OF EQUIPMENT ALONG WITH CORRESPONDING PATCH CABLES (CAT.6 BOOTED AND ANY REQUIRED FIBER PATCH CABLES AS SPECIFIED IN SUPPORTING DOCUMENTATION ACCOMPANYING THIS BID) AND PATCHING IN OF ALL DROPS AND UPLINKS WHEN CALCULATING YOUR PER/DROP AND PER/RACK PRICING SUBMITTALS AS THESE COMPONENTS ARE MANDATORY DELIVERABLES WITHIN THIS BID CONTRACT.

ITEM #:	ITEM/SERVICE DESCRIPTION:	MINIMAL SERVICE REQUIREMENTS:	NON-UNION COST PER RACK:	UNION COST PER RACK:	NOTE:
2B.)	<p>IDENTIFY COSTS FOR SERVICE ITEM BELOW BASED ON REQUIREMENTS AND CRITERIA IDENTIFIED WITHIN THIS BID CONTRACT DOCUMENT AND CORRESPONDING SUPPORT DOCUMENTS MENTIONED AND INCLUDED WITH THIS BID PACKAGE/POSTING. NOTE THAT THERE ARE AREAS FOR VARIOUS PRICING SUBMITTALS...ONE FOR BASE INSTALLATION, ONE INCORPORATING ANY UNION AND/OR OTHER LABOR CHARGES WHICH MAY BE REQUIRED AND A "PHASED" INSTALLATION PRICING SECTION IF POTENTIALLY NEEDED. PLEASE PROVIDE SPECIFIC PRICING AS REQUESTED FOR EACH UNIQUE SCENARIO. VENDOR MUST RESPOND AT ALL AREAS WITH "\$0.00" AND "X".</p> <p>- COST PER NETWORK RACK (IDFs AND/OR MDF) INCLUDING ALL IDF RACK COMPONENTS AND MATERIALS (RACK, PATCH PANELS, FIBER TERMINATION BOXES & TERMINATIONS AT BOTH ENDS, PATCH CABLES, LABELING, ETC.) AS DEFINED WITHIN THE CORRESPONDING BID/CONTRACT DOCUMENT AND ACCOMPANYING SUPPORTING SPECIFICATIONS AND SAMPLE RISER DIAGRAM DOCUMENTS.</p> <p>(BASED ON FULL PROJECT ESTIMATED QUANTITIES AS DETAILED WITHIN THE CORRESPONDING BID/CONTRACT DOCUMENT OBTAINED WITH THIS EXCEL SPREADSHEET DOCUMENT).</p>	<p>(See scope of work/requirements as defined in corresponding posted bid/contract document and supporting attachments)</p> <p>RESPONDENT COMMENT (if needed):</p>	n/a	n/a	NOTE: REMEMBER TO CONSIDER THE LABELING, TESTING, DOCUMENTATION AND INSTALLING OF EQUIPMENT ALONG WITH CORRESPONDING PATCH CABLES (CAT.6 BOOTED AND ANY REQUIRED FIBER PATCH CABLES AS SPECIFIED IN SUPPORTING DOCUMENTATION ACCOMPANYING THIS BID) AND PATCHING IN OF ALL DROPS AND UPLINKS WHEN CALCULATING YOUR PER/DROP AND PER/RACK PRICING SUBMITTALS AS THESE COMPONENTS ARE MANDATORY DELIVERABLES WITHIN THIS BID CONTRACT.
2B.)	<p>IDENTIFY COSTS FOR SERVICE ITEM BELOW BASED ON REQUIREMENTS AND CRITERIA IDENTIFIED WITHIN THIS BID CONTRACT DOCUMENT AND CORRESPONDING SUPPORT DOCUMENTS MENTIONED AND INCLUDED WITH THIS BID PACKAGE/POSTING. NOTE THAT THERE ARE AREAS FOR VARIOUS PRICING SUBMITTALS...ONE FOR BASE INSTALLATION, ONE INCORPORATING ANY UNION AND/OR OTHER LABOR CHARGES WHICH MAY BE REQUIRED AND A "PHASED" INSTALLATION PRICING SECTION IF POTENTIALLY NEEDED. PLEASE PROVIDE SPECIFIC PRICING AS REQUESTED FOR EACH UNIQUE SCENARIO. VENDOR MUST RESPOND AT ALL AREAS WITH "\$0.00" AND "X".</p> <p>- COST PER NETWORK RACK (IDFs AND/OR MDF) INCLUDING ALL IDF RACK COMPONENTS AND MATERIALS (RACK, PATCH PANELS, FIBER TERMINATION BOXES & TERMINATIONS AT BOTH ENDS, PATCH CABLES, LABELING, ETC.) AS DEFINED WITHIN THE CORRESPONDING BID/CONTRACT DOCUMENT AND ACCOMPANYING SUPPORTING SPECIFICATIONS AND SAMPLE RISER DIAGRAM DOCUMENTS.</p> <p>(BASED ON FULL PROJECT ESTIMATED QUANTITIES AS DETAILED WITHIN THE CORRESPONDING BID/CONTRACT DOCUMENT OBTAINED WITH THIS EXCEL SPREADSHEET DOCUMENT).</p>	<p>(See scope of work/requirements as defined in corresponding posted bid/contract document and supporting attachments)</p> <p>RESPONDENT COMMENT (if needed):</p>	n/a	n/a	NOTE: REMEMBER TO CONSIDER THE LABELING, TESTING, DOCUMENTATION AND INSTALLING OF EQUIPMENT ALONG WITH CORRESPONDING PATCH CABLES (CAT.6 BOOTED AND ANY REQUIRED FIBER PATCH CABLES AS SPECIFIED IN SUPPORTING DOCUMENTATION ACCOMPANYING THIS BID) AND PATCHING IN OF ALL DROPS AND UPLINKS WHEN CALCULATING YOUR PER/DROP AND PER/RACK PRICING SUBMITTALS AS THESE COMPONENTS ARE MANDATORY DELIVERABLES WITHIN THIS BID CONTRACT.
2C.)	<p>IDENTIFY COSTS FOR SERVICE ITEM BELOW BASED ON REQUIREMENTS AND CRITERIA IDENTIFIED WITHIN THIS BID CONTRACT DOCUMENT AND CORRESPONDING SUPPORT DOCUMENTS MENTIONED AND INCLUDED WITH THIS BID PACKAGE/POSTING. VENDOR MUST RESPOND AT ALL AREAS WITH "\$0.00" AND "X".</p> <p>- COST DIFFERENTIAL PER IDF NETWORK RACK FOR 50 MICRON VERSUS 62.5 MICRON FIBER INCLUDING ANY/ALL CORRESPONDING IDF/MDF RACK COMPONENTS AND MATERIALS (I.E.: FIBER TERMINATION BOXES & TERMINATIONS AT BOTH ENDS, RELATED FIBER PATCH CABLES, ETC.)</p>	<p>(See scope of work/requirements as defined in corresponding posted bid/contract document and supporting attachments)</p> <p>RESPONDENT COMMENT (if needed):</p>	n/a	n/a	NOTE: REMEMBER TO CONSIDER THE LABELING, TESTING, DOCUMENTATION AND INSTALLING OF EQUIPMENT ALONG WITH CORRESPONDING PATCH CABLES (CAT.6 BOOTED AND ANY REQUIRED FIBER PATCH CABLES AS SPECIFIED IN SUPPORTING DOCUMENTATION ACCOMPANYING THIS BID) AND PATCHING IN OF ALL DROPS AND UPLINKS WHEN CALCULATING YOUR PER/DROP AND PER/RACK PRICING SUBMITTALS AS THESE COMPONENTS ARE MANDATORY DELIVERABLES WITHIN THIS BID CONTRACT.

No network rack required as part of the project, per district walk-thru.

No network rack or fiber runs required as part of the project, per district walk-thru.

ITEM #:	ITEM/SERVICE DESCRIPTION:	MINIMAL SERVICE REQUIREMENTS:	NON-UNION COST PER SERVICE HR.:	UNION COST PER SERVICE HR.:	NOTE: IF THERE ARE ANY QUANTITY ISSUES OR OTHER ITEMS FOR THIS SERVICE CONSIDERATION PLEASE DETAIL IN THE RESPONDENT COMMENT SECTION BELOW.
2F.)	<p>IDENTIFY COSTS FOR SERVICE ITEM BELOW BASED ON REQUIREMENTS AND CRITERIA IDENTIFIED WITHIN THIS BID CONTRACT DOCUMENT AND CORRESPONDING SUPPORT DOCUMENTS MENTIONED AND INCLUDED WITH THIS BID PACKAGE/POSTING. NOTE THAT THERE ARE AREAS FOR VARIOUS PRICING SUBMITTALS...ONE FOR BASE INSTALLATION, ONE INCORPORATING ANY UNION AND/OR OTHER LABOR CHARGES WHICH MAY BE REQUIRED AND A "PHASED" INSTALLATION PRICING SECTION IF POTENTIALLY NEEDED. PLEASE PROVIDE SPECIFIC PRICING AS REQUESTED FOR EACH UNIQUE SCENARIO. VENDOR MUST RESPOND AT ALL AREAS WITH "\$0.00" AND "X" 'S.</p> <p>- COST/HR. FOR RE-ROUTING/RE-TERMINATION SERVICES (IF NEEDED):</p>	<p>(See scope of work/requirements as defined in corresponding posted bid/contract document and supporting attachments)</p> <p>RESPONDENT COMMENT (if needed):</p>	\$165.00	n/a	



**We have prepared a quote for you
Crawford Central School District**

Quote #004535 v1

**Crawford Central SD Cabling Bid Response Cat 6a
- SPIN 143031254**

Data Communications Consulting

814-836-0000

Prepared For
Crawford Central School District
Becky Gentile
640 Walnut Street East End Building
Meadville, PA 16335
rebecca.gentile@craw.org
(814) 724-3960

**Crawford Central SD Cabling Bid
Response Cat 6a - SPIN 143031254**

Quote Expiration Date: 09/30/2018

Prepared By
Karen Butts
Phone: 814-836-0000 x121
Email: karen@net-cloud.com

1st District Elementary Cat 6a Cabling

		Price	Qty	Extended
PKG-CABLING	<p>Network Cabling</p> <p>Provide and Install: 30 cat-6a plenum rated cables - 2 per new access point with there being 15 new. Mount new access points (access points to be provided by the customer)</p> <p>Provide and Install: 40 cat-6a plenum rated cables to be installed to the existing 20 access points.</p> <p>Provide and Install: 1 cat-6a 24 port patch panel and 1 cat-6a 48 port patch panel.</p> <p>Provide and Install: 70 cat-6a jacks</p> <p>Provide and Install: 140 cat-6a patch cords</p> <p>All cabling will follow existing pathways unless other pathways are needed.</p> <p>All cabling will be installed, terminated, documented, labeled and tested to meet eia-tia and bicsi standards.</p> <p>Hitachi Cabling is covered by a Twenty-Five (25) Year Warranty. All Jack and Patch Panels are covered by a Lifetime Warranty.</p>	\$28,680.33	1	\$28,680.33
1st District Elementary Cat 6a Cabling Subtotal				\$28,680.33

QUOTE

Quote #004535
Version: 1

Networking Technologies
3910 Caughey Road Suite 207
Erie, PA 16506
814-836-0000
www.net-cloud.com

Cochranton Elementary Cat 6a Cabling		Price	Qty	Extended
PKG-CABLING	<p>Network Cabling</p> <p>Provide and Install: 38 cat-6a plenum rated cables - 2 per new access point with there being 19 new. Mount new access points (access points to be provided by the customer)</p> <p>Provide and Install: 34 cat-6a plenum rated cables to be installed to the existing 17 access points.</p> <p>Provide and Install: 1 cat-6a 24 port patch panel and 1 cat-6a 48 port patch panel</p> <p>Provide and Install: 72 cat-6a jacks</p> <p>Provide and Install: 144 cat-6a patch cords</p> <p>All cabling will follow existing pathways unless other pathways are needed.</p> <p>All cabling will be installed, terminated, documented, labeled and tested to meet eia-tia and bicsi standards.</p> <p>Hitachi Cabling is covered by a Twenty-Five (25) Year Warranty. All Jack and Patch Panels are covered by a Lifetime Warranty.</p>	\$29,329.61	1	\$29,329.61
Cochranton Elementary Cat 6a Cabling Subtotal				\$29,329.61

Recap	Amount
1st District Elementary Cat 6a Cabling	\$28,680.33
Cochranton Elementary Cat 6a Cabling	\$29,329.61
Total	\$58,009.94

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Signature

Date

Terms and Conditions

Except as otherwise provided in an existing written agreement between the parties and/or in a Data Communications System Agreement or in a Technology System Agreement to which this Quote may be attached, the following terms and conditions will apply to the Customer and this Quote:

- Customer is responsible for any and all taxes (sales, excise, use, etc.), shipping and transportation charges, insurance and freight charges/fees, and any export or import duties which may be applicable to the sale and/or delivery of any equipment, materials and deliverables under this Quote.
- Equipment and deliverables will be invoiced to the Customer at time of delivery to Customer's address and location. All services will be invoiced to the Customer at the time of completion. All payments are due from Customer upon receipt of invoice and are late 30 days after invoice date. All payments must be in United States dollars, and Customer shall pay interest on any past due balance at the rate of 1½% per month (not to exceed the maximum rate allowed under state law).
- This Quote does not constitute an offer and the Company may withdraw, reject or revise the Quote at any time before accepting any Customer order. The Company's acceptance of any Customer order or of this Quote shall be effective only where such acceptance is in writing and signed by the Company.
- Notwithstanding any other provision of this Quote, except to the extent prohibited by applicable law, the Company's total liability for any and all damages, claims or causes of action howsoever arising (including, without limitation, damage, claims or causes of action by virtue of tort, by breach of contract or statutory duty, negligence, strict liability or infringement of intellectual property rights) shall not exceed a sum equal to the aggregate Quote price hereunder. Notwithstanding the foregoing or any other provision of this Quote, the Company shall not be liable in any circumstances for any loss of profits, increased costs, loss of revenue, loss of contracts, loss of use, loss of data or for any incidental, consequential or indirect loss.
- This Quote will expire as of the Quote Expiration Date set forth herein unless accepted by Customer.
- This Quote may not be assigned or transferred by the Customer without Company's prior written consent.
- This Quote shall be governed by and construed in accordance with the internal laws of the Commonwealth of Pennsylvania.
- **This Quote is contingent upon award of E-Rate Funding.**

Revised 9/23/2015



**We have prepared a quote for you
Crawford Central School District**

Quote #004536 v1
**Crawford Central SD Cabling Bid Response Cat 6 -
SPIN 143031254**

Data Communications Consulting
814-836-0000

Prepared For
Crawford Central School District
Becky Gentile
640 Walnut Street East End Building
Meadville, PA 16335
rebecca.gentile@craw.org
(814) 724-3960

**Crawford Central SD Cabling Bid
Response Cat 6 - SPIN 143031254**

Quote Expiration Date: 09/30/2018

Prepared By
Karen Butts
Phone: 814-836-0000 x121
Email: karen@net-cloud.com

1st District Elementary Cat6 Cabling

		Price	Qty	Extended
PKG-CABLING	<p>Network Cabling</p> <p>Provide and Install: 30 cat-6 plenum rated cables - 2 per new access point with there being 15 new. Mount new access points (access points to be provided by the customer)</p> <p>Provide and Install: 40 cat-6 plenum rated cables to be installed to the existing 20 access points.</p> <p>Provide and Install: 1 cat-6 24 port patch panel and 1 cat-6a 48 port patch panel.</p> <p>Provide and Install: 70 cat-6 jacks</p> <p>Provide and Install: 140 cat-6 patch cords</p> <p>All cabling will follow existing pathways unless other pathways are needed.</p> <p>All cabling will be installed, terminated, documented, labeled and tested to meet eia-tia and bicsi standards.</p> <p>Hitachi Cabling is covered by a Twenty-Five (25) Year Warranty. All Jack and Patch Panels are covered by a Lifetime Warranty.</p>	\$23,526.10	1	\$23,526.10
1st District Elementary Cat6 Cabling Subtotal				\$23,526.10

QUOTE

Quote #004536
Version: 1

Cochranton Elementary School Cat6 Cabling		Price	Qty	Extended
PKG-CABLING	<p>Network Cabling</p> <p>Provide and Install: 38 cat-6 plenum rated cables - 2 per new access point with there being 19 new. Mount new access points (access points to be provided by the customer)</p> <p>Provide and Install: 34 cat-6 plenum rated cables to be installed to the existing 17 access points.</p> <p>Provide and Install: 1 cat-6 24 port patch panel and 1 cat-6a 48 port patch panel</p> <p>Provide and Install: 72 cat-6 jacks</p> <p>Provide and Install: 144 cat-6 patch cords</p> <p>All cabling will follow existing pathways unless other pathways are needed.</p> <p>All cabling will be installed, terminated, documented, labeled and tested to meet eia-tia and bicsi standards.</p> <p>Hitachi Cabling is covered by a Twenty-Five (25) Year Warranty. All Jack and Patch Panels are covered by a Lifetime Warranty.</p>	\$24,474.46	1	\$24,474.46
Cochranton Elementary School Cat6 Cabling Subtotal				\$24,474.46

Recap	Amount
1st District Elementary Cat6 Cabling	\$23,526.10
Cochranton Elementary School Cat6 Cabling	\$24,474.46
Total	\$48,000.56

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Signature _____

Date _____

Terms and Conditions

Except as otherwise provided in an existing written agreement between the parties and/or in a Data Communications System Agreement or in a Technology System Agreement to which this Quote may be attached, the following terms and conditions will apply to the Customer and this Quote:

- Customer is responsible for any and all taxes (sales, excise, use, etc.), shipping and transportation charges, insurance and freight charges/fees, and any export or import duties which may be applicable to the sale and/or delivery of any equipment, materials and deliverables under this Quote.
 - Equipment and deliverables will be invoiced to the Customer at time of delivery to Customer's address and location. All services will be invoiced to the Customer at the time of completion. All payments are due from Customer upon receipt of invoice and are late 30 days after invoice date. All payments must be in United States dollars, and Customer shall pay interest on any past due balance at the rate of 1½% per month (not to exceed the maximum rate allowed under state law).
 - This Quote does not constitute an offer and the Company may withdraw, reject or revise the Quote at any time before accepting any Customer order. The Company's acceptance of any Customer order or of this Quote shall be effective only where such acceptance is in writing and signed by the Company.
 - Notwithstanding any other provision of this Quote, except to the extent prohibited by applicable law, the Company's total liability for any and all damages, claims or causes of action howsoever arising (including, without limitation, damage, claims or causes of action by virtue of tort, by breach of contract or statutory duty, negligence, strict liability or infringement of intellectual property rights) shall not exceed a sum equal to the aggregate Quote price hereunder. Notwithstanding the foregoing or any other provision of this Quote, the Company shall not be liable in any circumstances for any loss of profits, increased costs, loss of revenue, loss of contracts, loss of use, loss of data or for any incidental, consequential or indirect loss.
 - This Quote will expire as of the Quote Expiration Date set forth herein unless accepted by Customer.
 - This Quote may not be assigned or transferred by the Customer without Company's prior written consent.
 - This Quote shall be governed by and construed in accordance with the internal laws of the Commonwealth of Pennsylvania.
- **This Quote is contingent upon award of E-Rate Funding.**

Revised 9/23/2015

CRAWFORD CENTRAL SCHOOL DISTRICT
11280 MERCER PIKE
MEADVILLE, PA 16335
CABLING SERVICES BID #YR20005

BID CLARIFICATION/ADDENDUM RE: FIBER UPGRADE


During the January 26, 2017 Crawford Central School District walk-thru at 1st District Elementary School and Cochranon Elementary School, it was identified at that time that no new IDF/MDF closet needs existed. As a matter of clarification, should the district decide/need to upgrade an existing fiber run between closets to facilitate 10GB closet-to-closet connectivity, the scope cost for such an endeavor would be as follows as listed below. Note that the scope of such an endeavor would include the fiber cabling (as identified within the specifications outlined in the main bid document(s)), fiber termination boxes, termination connectors, fiber patch cables, installation of said fiber and components and which includes the testing, certification and labeling of the new fiber run.

\$3,000.00 - 50-micron fiber run (SM or MM) per closet-to-closet run scenario

Any additional IDF/MDF clean-up or service work outside of this would be at the hourly rate as defined in our base bid response.

The undersigned, as authorized representative of the identified company listed below, hereby propose and agree to provide the originators of this Bid process any/all of the items/services to which a cost has been submitted. This proposal is subject to all terms of the specifications, bid conditions and instructions outline herein, where we hereby agree to provide such item/s as awarded to us. This bid is only valid when completed with an original signature of a properly authorized representative of the submitting company.

Company Name: Reabah, Inc. dba Networking Technologies & Teceri Technologies

Signature:  Date: 3/8/17

Printed Name/Title: James J, Bahm, President & CEO

Phone Number: 814.836.0000 E-Mail: jbahm@net-cloud.com