We are SYSTEC101

Date: 07/22/2024

Base Proposal

SYSTEC101 will be providing the following:
Please note that based on client's request, SYSTEC101 will remove equipment from old racks and replace with new server rack and cable management in 355th Communications Squadron at Building 5010.
Site address : 3180 1st St, Tucson, AZ 85708

Name of the System	Divisions	Grand Total
Server Rack Replacement and Cable Management	**-**	**$ 133,307.65**

Server Rack Replacement and Cable Management

Scope of Work

SYSTEC101 will replace and install a total of (11) server racks and have cable management/clean-up services performed in the same racks that are being replaced.

1. SYSTEC101 will study the topology of the existing racks and document them accordingly in a workflow or a diagrammatic representation document using VISIO.
2. SYSTEC101 will provide rack elevation diagrams and topology diagrams either in VISIO compatible format or in PDF format.
3. Using the topology diagram, we will clean up the existing patch cords and re-install the patch cords by using clear cable management.
4. We will replace and install a total of (11) Eaton Tripp-lite smartrack enclosure cabinet 42U (black) .
5. Each replaced new server rack in place of existing will get (4) Eaton Tripp-lite smartrack 3"W high Capacity Vertical Cable Manager - 6 ft double finger duct cover (black).
6. Each replaced new server rack in place of existing will get (1) Eaton Tripp-lite 3-phase metered vertical rack mount PDU, 120V 42-outlet with 6ft cord (black).
7. Each replaced new server rack in place of existing will get (1) Eaton Tripp-lite smartrack door handles with combination lock (2/pack) for front and rear doors with bypass key.
8. Each replaced new server rack in place of existing will get (1) Eaton Tripp-lite smartrack panel mount triple fan with 6 ft cord, 3U (black).
9. Each replaced new server rack in place of existing will get (1) Tripp-lite smartrack copper bus Grounding Bar.
10. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

Common:

1. All labeling will be machine printed.
2. All terminations and testing will be done as per TIA/EIA/BICSI standards.
3. We will provide the Owner with closeouts (test results and as-builts) at the end of the project.

Scope of work by others:

1. All 110 VAC, conduit, coring, stub-ups, single device cover, junction boxes, and structural reinforcement.
2. Adequate on-site storage will be provided.
3. Furnishing and installation of security camera system, TV's, WAP system, access control system, intrusion detection and intercom system.
4. Furnishing and installation of telecommunications grounding busbar and fire rated plywood backboards in the IDF/MDF room end.
5. Furnishing and installation of HVAC and electrical systems in the IDF/MDF Room end.
6. Furnishing and installation of Empty conduits and stub up conduits.

Qualifications:

1. **Due to extreme price fluctuations, we can only hold the material pricing for 60 days. Any material price hikes after 60 days will be borne by the client.**
2. If required, stub ups, conduits, raceways and coring are to be provided by the customer.
3. Pricing does not include any wiremold raceways, power poles, UPS or any scope of work related to security, networking equipments.
4. SYSTEC101 must have proper access to all areas necessary to complete the project in a timely fashion.
5. No cutover, ISP cabling and backbone cabling is included in this proposal.
6. Any additional labor or material required beyond the scope of this proposal will be done on a change order, signed by a customer representative.
7. Conduits, back boxes and pull boxes should be made ready prior to cabling installation.
8. Uplinking the entire network using active electronics by others. We will only provide empty network infrastructure, powering the network using network equipment and routers, and connecting them to ISP link is responsible by owner or ISP.
9. No backbone cabling (copper and fiber) is included in this proposal.
10. No network equipment is included in this proposal. It should be provided by owner or others.
11. Labor for removing old server racks and replacing it with a new one is included in this proposal.
12. **SYSTEC101 will study the topology of the existing racks and document them accordingly in a workflow or a diagrammatic representation document using VISIO.**
13. **SYSTEC101 will provide rack elevation diagrams and topology diagrams either in VISIO compatible format or in PDF format.**
14. **If any new additional patch cords are required other than the existing one; a new change order will be proposed.**
15. **As per the topology diagram, all the patch panels, LIU's and cables will be relabeled.**
16. **The cable runways, patch panels, LIU's, router, firewall, gateway, network switches, UPS, telecommunications grounding busbars and fire rated plywood backboard at MDF/IDF room end to be existing one. We will only install it. If newly required, a new changed order will be proposed.**

Server Rack Replacement and Cable Management:

Equipment and Labor

Part Number	Server rack replacement materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
SR42UBWD	Eaton Tripp-lite 78.5"H x 29.53"W x 43"D smartrack enclosure cabinet with doors and side panels, 42U (black)	11	$ 3,540.00	$ -	$ 3,540.00	$ 38,940.00
SRCABLEVRT3	Eaton Tripp-lite smartrack 3"W high Capacity Vertical Cable Manager - 6 ft double finger duct cover (black)	44	$ 301.80	$ -	$ 301.80	$ 13,279.20
PDU3MV6L2120LV	Eaton Tripp-lite 3-phase metered vertical rack mount PDU, 120V 42-outlet with 6ft cord (black)	11	$ 646.93	$ -	$ 646.93	$ 7,116.25
SRCOMBO	Eaton Tripp-lite smartrack door handles with combination lock (2/pack) for front and rear doors with bypass key	11	$ 269.52	$ -	$ 269.52	$ 2,964.72
SRFAN3U	Eaton Tripp-lite smartrack panel mount triple fan with 6 ft cord, 3U (black)	11	$ 235.55	$ -	$ 235.55	$ 2,591.03
Part Number	Grounding Kits	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
6G-0601-04	#6 AWG green insulated grounding wire	1000	$ 1.02	$ -	$ 1.02	$ 1,020.00
LCC6-14AW-L	Panduit Two hole compression lug for #6 Awg	30	$ 6.00	$ -	$ 6.00	$ 180.00
SRGROUND	Tripp-lite smartrack copper bus Grounding Bar	11	$ 184.14	$ -	$ 184.14	$ 2,025.54
GJS660U	Panduit Equipment bonding jumper kit	80	$ 38.40	$ -	$ 38.40	$ 3,072.00
CNBK	Panduit Bonding cage nut & screw kit (pack of 50)	2	$ 225.63	$ -	$ 225.63	$ 451.26
Part Number	Supporting Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
30987	3/4" Velcro (75ft)	2	$ 34.80	$ -	$ 34.80	$ 69.60
PLT3I-C	Panduit Tie wraps (100/bag)	4	$ 39.60	$ -	$ 39.60	$ 158.40
N/A	Labeling kits	1	$ 528.00	$ -	$ 528.00	$ 528.00
N/A	Miscellaneous materials	1	$ 3,600.00	$ -	$ 3,600.00	$ 3,600.00
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	495	$ -	$ 100.00	$ 100.00	$ 49,500.00
N/A	Project Management and handling charges	12	$ -	$ 100.00	$ 100.00	$ 1,200.00

Total Equipment :		$ 75,996.00
Tax on Equipment:	8.70%	$ 6,611.65
Total Labor:		$ 50,700.00
Grand Total :		$ 133,307.65

Add Alternate Materials:

Equipment

1. Please note that, "If any new additional patch cords are required to attain to function a complete system, it will be priced as mentioned below". The pricing for materials is provided for each.

Part Number	Material	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
CBL-080	10 Base T UTP Cat 6 RJ45-RJ45, PVC patch cord 3ft	1	$ 1.32	$ -	$ 1.32	$ 1.32
CBL-090	10 Base T UTP Cat 6 RJ45-RJ45, PVC patch cord 6ft	1	$ 1.72	$ -	$ 1.72	$ 1.72
CBL-100	10 Base T UTP Cat 6 RJ45-RJ45, PVC patch cord 7ft	1	$ 2.14	$ -	$ 2.14	$ 2.14
CBL-110	10 Base T UTP Cat 6 RJ45-RJ45, PVC patch cord 7ft	1	$ 2.80	$ -	$ 2.80	$ 2.80
CBL-280	10Gb Multimode 50/125. Duplex Fiber, 3 meter - Aqua, LC to SC.	1	$ 5.34	$ -	$ 5.34	$ 5.34
CBL-290	10Gb Multimode 50/125. Duplex Fiber, 3 meter - Aqua, LC to ST.	1	$ 6.62	$ -	$ 6.62	$ 6.62
CBL-340	10Gb Multimode 50/125. Duplex Fiber, 5 meter - Aqua, LC to SC.	1	$ 6.68	$ -	$ 6.68	$ 6.68
CBL-350	10Gb Multimode 50/125. Duplex Fiber, 5 meter - Aqua, LC to ST.	1	$ 8.10	$ -	$ 8.10	$ 8.10
CBL-400	10Gb Multimode 50/125. Duplex Fiber, 10 meter - Aqua, LC to SC.	1	$ 10.03	$ -	$ 10.03	$ 10.03
CBL-410	10Gb Multimode 50/125. Duplex Fiber, 10 meter - Aqua, LC to ST.	1	$ 11.86	$ -	$ 11.86	$ 11.86

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Purchase Authorization

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Date