Middle Mile Grant Program
Detailed Budget Justification Template

OMB Control No. 0660-0046
Expiration Date: 11/30/2022

		Unit Type	Unit Cost	No. of Units	Total Cost	Federal Funds Requested	Cash Match Amount	In Kind Contribution Value	Match Type (Cash/In-Kind/Both)	Match Percentage	Allowable Total	Notes/Comments
1. Administrative and Legal Expenses												
Total Administrative and Legal Expenses												
2. Land, Structures, Rights-of-Way, Appraisals, etc.												
Fiber Lease (2 Year IRU)		Mile	$50.00	613.0	$ 735,588.00	$ 347,056.26	$ 388,531.74		Cash	53%		Route Additions, DCN
Total Land, Structures, Rights-of Way, Appraisals, etc.												
3. Relocation Expenses and Payments												
ROW Acquisition for new Cable Placement		Mile	$1,500.00	2.72	$4,080	$ 1,867.55	$ 2,212.45		Cash	54%		BEK
Envrionmental Clearance		Item	$11,000.00	1.00	$11,000	$ 5,035.06	$ 5,964.94		Cash	54%		BEK
Total Relocation Expenses and Payments												
4. Architectural and Engineering Fees												
Project Management		Hour	$153.00	520.0	$79,560	$ 38,480.77	$ 41,079.23		Cash	52%		DCT
Design		Hour	$147.00	160.0	$23,520	$ 11,375.91	$ 12,144.09		Cash	52%		DCT
Staking		Mile	$600.00	233.0	$139,800	$ 67,617.03	$ 72,182.97		Cash	52%		DCT
Drafting		Hour	$105.00	160.0	$16,800	$ 8,125.65	$ 8,674.35		Cash	52%		DCT
Contract		Item	$80,000.00	1.0	$80,000	$ 38,693.58	$ 41,306.42		Cash	52%		DCT
Construction Supervision		Other	$11,440.00	20.0	$228,800	$ 110,663.64	$ 118,136.36		Cash	52%		DCT
Closeout Documents		Item	$80,000.00	1.0	$80,000	$ 38,693.58	$ 41,306.42		Cash	52%		DCT
Route design,Staking, Mapping, Circuiting		Mile	$7,500.00	28.46	$213,450	$ 97,703.15	$ 115,746.85		Cash	54%		BEK
Total Architechtural and Engineering Fees												
5. Other Architectural and Engineering Fees												
Environmental / SHPO Review		Item	$30,000.00	1.0	$30,000	$ 14,510.09	$ 15,489.91		Cash	52%		DCT
Programming and Implementation of Electronics		Hour	$200.00	850.0	$170,000	$ 77,814.64	$ 92,185.36		Cash	54%		BEK
Total Other Architectural and Engineering Fees												
6. Project Inspection Fees												
OSP Project supervision		Mile	$ 1,800.00	28.46	$ 51,228.00	$ 23,448.76	$ 27,779.24		Cash	54%		**BEK**
Total Project Inspection Fees												
7. Site Work												
OSP FDP Termiination		Hour	$ 100.00	80	$ 8,000.00	$ 3,661.87	$ 4,338.13		Cash	54%		BEK
Total Site Work												
8. Demolition and Removal												
Total Demolition and Removal												
9. Construction												
BA 4	Stub Posts	Item	$158.27	230	$36,402	$ 17,606.60	$ 18,795.50		Cash	52%		DCT
BD 2	Locate Pedestal	Item	$191.44	20	$3,829	$ 1,851.87	$ 1,976.93		Cash	52%		DCT
BDO 7	Splicing Pedestal	Item	$891.90	115	$102,569	$ 49,609.28	$ 52,959.22		Cash	52%		DCT
BFO 144I	Fiber Optic Placed in New Duct	Foot	$2.26	22,180	$50,127	$ 24,244.82	$ 25,881.98		Cash	52%		DCT
BFO 144IE	Fiber Optic Placed in Existing Duct	Foot	$2.55	36,800	$93,840	$ 45,387.57	$ 48,452.43		Cash	52%		DCT
BFO 144W	Direct Buried Fiber Optic	Foot	$2.44	1,172,500	$2,860,900	$ 1,383,730.85	$ 1,477,169.15		Cash	52%		DCT
BFOV (1x1.5)	Direct Buried Vacant Duct	Foot	$16.24	21,120	$342,989	$ 165,893.31	$ 177,095.49		Cash	52%		DCT
BHF (30x48x36) T	Handhole	Item	$3,078.20	20	$61,564	$ 29,776.65	$ 31,787.35		Cash	52%		DCT
BM 2 (5/8)(8)	Ground Rod - 8'	Item	$75.42	135	$10,182	$ 4,924.58	$ 5,257.12		Cash	52%		DCT
BM 3	Ground Straps	Foot	$2.12	1,000	$2,120	$ 1,025.38	$ 1,094.62		Cash	52%		DCT
BM 25-1P	Pipeline Crossing	Foot	$27.86	500	$13,930	$ 6,737.52	$ 7,192.48		Cash	52%		DCT
BM 53	Warning Signs	Item	$98.62	699	$68,935	$ 33,341.96	$ 35,593.42		Cash	52%		DCT
BM 60 (1x1.5)	Directional Bore	Foot	$12.76	71,165	$908,065	$ 439,203.79	$ 468,861.61		Cash	52%		DCT
BM 72	Asphalt Cut and Replace	Foot	$16.24	233	$3,784	$ 1,830.17	$ 1,953.75		Cash	52%		DCT
BM73	Cement Cut and Replace	Foot	$99.04	116	$11,489	$ 5,556.71	$ 5,931.93		Cash	52%		DCT
HO-1	Fiber Optic Splicing and Testing	Item	$35.97	6,000	$215,820	$ 104,385.61	$ 111,434.39		Cash	52%		DCT
HBFO (M)	Splice Case Prep and Install	Item	$951.41	58	$55,182	$ 26,689.76	$ 28,492.02		Cash	52%		DCT
W BHF	Enter Existing Facility	Item	$423.49	18	$7,623	$ 3,686.93	$ 3,935.89		Cash	52%		DCT
Fiber distrobution Panel		Item	$3,910.70	8	$31,286	$ 14,320.46	$ 16,965.14		Cash	54%		BEK

OSP Fiber Installation/Splicing		Mile	$15,840.00	28	$450,806	$ 206,349.04	$ 244,457.36		Cash	54%		BEK
OSP Fiber/HH		Mile	$9,160.00	28	$260,694	$ 119,328.11	$ 141,365.49		Cash	54%		BEK
Total Construction												
10. Equipment												
3HE16196AA	BNDL 7750 SR-7s CPM2-7s CNTL RED DC PWR	Item	$62,472.03	16	$ 999,552.40	$ 471,596.75	$ 527,955.65		Cash	53%		L2 Capacity Upgrade
3HE15808CA	SR - OS - 7450/7750/7950 R22.x LICENSE	Item	$1,411.00	16	$ 22,576.00	$ 10,651.54	$ 11,924.46		Cash	53%		L2 Capacity Upgrade
3HE11305AA	XCM - 7750 SR-s XCM-7s	Item	$10,109.40	40	$ 404,376.00	$ 190,787.81	$ 213,588.19		Cash	53%		L2 Capacity Upgrade
3HE14027BA	IOM-s - SR-s IOM-s 3.0T - ER	Item	$206,545.50	40	$ 8,261,820.00	$ 3,897,992.24	$ 4,363,827.76		Cash	53%		L2 Capacity Upgrade
3HE14296BA	IOM-s - SR-s IOM-s 2.4T - ER	Item	$167,328.00	0	$ -	$ -	$ -		Cash			L2 Capacity Upgrade
3HE14298AA	UPG - IOM-s 1.6T ER to 2.4T ER	Item	$69,720.00	14	$ 976,080.00	$ 460,522.29	$ 515,557.71		Cash	53%		L2 Capacity Upgrade
3HE14307AA	UPG - IOM-s 2.4T ER to 3.0T ER	Item	$49,021.88	14	$ 686,306.25	$ 323,804.73	$ 362,501.52		Cash	53%		L2 Capacity Upgrade
3HE12328AA	ACC - SR-7s/14s PWR SHELF ACC KIT LVDC	Item	$578.51	16	$ 9,256.16	$ 4,367.13	$ 4,889.03		Cash	53%		L2 Capacity Upgrade
3HE12469AA	ACC - SR-s LUG KIT (20 PACK)	Item	$211.65	16	$ 3,386.40	$ 1,597.73	$ 1,788.67		Cash	53%		L2 Capacity Upgrade
3HE12378AA	ACC - 7750 SR-7s XCM IMPEDANCE PNL	Item	$776.05	60	$ 46,563.00	$ 21,968.79	$ 24,594.21		Cash	53%		L2 Capacity Upgrade
3HE14029AA	ACC - 7750 SR-s MDA-s IMPEDANCE PANEL	Item	$409.19	8	$ 3,273.52	$ 1,544.47	$ 1,729.05		Cash	53%		L2 Capacity Upgrade
3HE12460AA	ACC - 7750 SR-7s AIR FILTER DOOR KIT	Item	$5,291.25	16	$ 84,660.00	$ 39,943.26	$ 44,716.74		Cash	53%		L2 Capacity Upgrade
3HE15563AA	MDA-s - SR-s 2pt QSFP-DD + 2pt QSFP28	Item	$29,631.00	44	$ 1,303,764.00	$ 615,126.20	$ 688,637.80		Cash	53%		L2 Capacity Upgrade
3HE12511AA	MDA-s - SR-s 18pt QSFP28	Item	$60,133.50	32	$ 1,924,272.00	$ 907,886.80	$ 1,016,385.20		Cash	53%		L2 Capacity Upgrade
3HE07465AA	RTU - SROS VPLS2k	Item	$5,976.00	16	$ 95,616.00	$ 45,112.39	$ 50,503.61		Cash	53%		L2 Capacity Upgrade
3HE07467AA	RTU - SROS VLL4k	Item	$4,482.00	16	$ 71,712.00	$ 33,834.29	$ 37,877.71		Cash	53%		L2 Capacity Upgrade
3HE07469AA	RTU - SROS SAP32k	Item	$747.00	16	$ 11,952.00	$ 5,639.05	$ 6,312.95		Cash	53%		L2 Capacity Upgrade
3HE13362AA	RTU - SROS Telemetry	Item	$4,482.00	16	$ 71,712.00	$ 33,834.29	$ 37,877.71		Cash	53%		L2 Capacity Upgrade
3HE15272AA	QSFP56-DD - 400GE FR4 2km 0/70C	Item	$5,312.00	98	$ 520,576.00	$ 245,611.89	$ 274,964.11		Cash	53%		L2 Capacity Upgrade
3HE18360AA	QSFP-DD - 400G ZR+ 0dBm 0/70C	Item	$15,645.50	0	$ -	$ -	$ -		Cash			L2 Capacity Upgrade
3HE10551AA	QSFP28 - 100GBASE-SR4 ROHS6/6 0/70C	Item	$377.65	32	$ 12,084.80	$ 5,701.70	$ 6,383.10		Cash	53%		L2 Capacity Upgrade
3HE11597AA	SYS - 7210 SAS-Sx 64SFP+ 4QSFP28	Item	$11,093.39	16	$ 177,494.24	$ 83,743.19	$ 93,751.05		Cash	53%		L2 Capacity Upgrade
3HE10837AA	PS - DC -48V 210 WBX and 7210 Sx 100G (FtoB)	Item	$597.60	32	$ 19,123.20	$ 9,022.48	$ 10,100.72		Cash	53%		L2 Capacity Upgrade
3HE11471FA	OS-7210 SAS-Sx 10/100 Base Lic Sat R22.X	Item	$664.00	16	$ 10,624.00	$ 5,012.49	$ 5,611.51		Cash	53%		L2 Capacity Upgrade
3HE10551AA	QSFP28 - 100GBASE-SR4 ROHS6/6 0/70C	Item	$377.65	32	$ 12,084.80	$ 5,701.70	$ 6,383.10		Cash	53%		L2 Capacity Upgrade
3HE16254AA	NSP LICENSE POINT	Item	$5.33	18,660	$ 99,431.68	$ 46,912.65	$ 52,519.02		Cash	53%		L2 Capacity Upgrade
3HE16255AA	NSP HIGH AVAILABILITY FP	Item	$2.21	18,660	$ 41,197.55	$ 19,437.33	$ 21,760.22		Cash	53%		L2 Capacity Upgrade
3HE16001AA	NSP CLASSIC MANAGEMENT FP	Item	$2.21	18,660	$ 41,197.55	$ 19,437.33	$ 21,760.22		Cash	53%		L2 Capacity Upgrade
3HE16003AA	NSP NETWORK INFRASTRUCTURE MANAGEMENT FP	Item	$2.21	18,660	$ 41,197.55	$ 19,437.33	$ 21,760.22		Cash	53%		L2 Capacity Upgrade
3HE16005AA	NSP SERVICE ASSURANCE FP	Item	$2.21	18,660	$ 41,197.55	$ 19,437.33	$ 21,760.22		Cash	53%		L2 Capacity Upgrade
3HE16007AA	NSP NETWORK OPERATIONS ANALYTICS FP	Item	$2.21	18,660	$ 41,197.55	$ 19,437.33	$ 21,760.22		Cash	53%		L2 Capacity Upgrade
3HE15358AA	Tech Support Gold & Advanced Exchange	Other	$579,552.44	1	$ 579,552.44	$ 273,437.44	$ 306,115.00		Cash	53%		L2 Capacity Upgrade
3HE01807AB/3HE10161AA	Software Subscription Plan	Other	$270,457.81	1	$ 270,457.81	$ 127,604.14	$ 142,853.67		Cash	53%		L2 Capacity Upgrade
K74-540BC-TG-030001000	6500 WL5E MOTR ENH KIT (NTK540BC W/LIC FOR 3X100G CLIENT CAPACITY, REACH TO 1000KM)	Item	$27,560.00	104	$ 2,866,240.00	$ 1,352,314.78	$ 1,513,925.22		Cash	53%		L1 Capacity Upgrade
S74-LIC-NTK560TB	6500 WL5E TERRESTRIAL CAPACITY LICENSE (PER 100G)	Item	$3,710.00	104	$ 385,840.00	$ 182,042.37	$ 203,797.63		Cash	53%		L1 Capacity Upgrade
160-9600-900	400G-FR4, SMF, 2KM QSFP-DD	Item	$2,109.40	104	$ 219,377.60	$ 103,504.09	$ 115,873.51		Cash	53%		L1 Capacity Upgrade
S16-LIC-MCPPLG0600	MCP PLUS SW WITH GEO-REDUNDANCY PERPETUAL LICENSE REL 6.X	Other	$1.00	2	$ 2.00	$ 0.94	$ 1.06		Cash	53%		L1 Capacity Upgrade
S16-RTU-MCPPLG	MCP PLUS SW WITH GEO-REDUNDANCY PERPETUAL SCALE VIRTUAL RTU	Other	$216,966.10	1	$ 216,966.10	$ 102,366.33	$ 114,599.77		Cash	53%		L1 Capacity Upgrade
80M-6500-HWM	1 YEAR, 3 MONTHS GLOBAL 6500 STANDARD HARDWARE REPAIR 30-DAY	Other	$15,622.00	1	$ 15,622.00	$ 7,370.58	$ 8,251.42		Cash	53%		L1 Capacity Upgrade
80M-6500-NBS	1 YEAR, 3 MONTHS GLOBAL 6500 NEXT BUSINESS DAY SHIP MANAGED SPARES	Other	$69,430.00	1	$ 69,430.00	$ 32,757.62	$ 36,672.38		Cash	53%		L1 Capacity Upgrade
80M-6500-SSP-COM	1 YEAR, 3 MONTHS 6500 COMPREHENSIVE SUPPORT	Other	$141,028.00	1	$ 141,028.00	$ 66,538.13	$ 74,489.87		Cash	53%		L1 Capacity Upgrade
80M-MCPPLG-COM	1 YEAR, 3 MONTHS MCP PLUS GEO-REDUNDANT SW, COMPREHENSIVE SUPPORT	Other	$96,333.00	1	$ 96,333.00	$ 45,450.67	$ 50,882.33		Cash	53%		L1 Capacity Upgrade
NTK508FAE5	12 CHANNEL COLOURLESS MUX/DEMUX (CCMD12 C-BAND) CIRCUIT PACK	Item	$3,883.84	18	$ 69,909.12	$ 32,983.68	$ 36,925.44		Cash	53%		L1 Capacity Upgrade
NTK552GAE5	MIDSTAGE LINE AMPLIFIER 3 (MLA3 C-BAND) CIRCUIT PACK	Item	$4,452.00	18	$ 80,136.00	$ 37,808.80	$ 42,327.20		Cash	53%		L1 Capacity Upgrade
NTK553GB	SELECTIVE MUX/DEMUX (SMD) FLEX C-BAND 8X1 CIRCUIT PACK	Item	$18,020.00	18	$ 324,360.00	$ 153,035.62	$ 171,324.38		Cash	53%		L1 Capacity Upgrade
S16-LIC-MCPPLG0600	MCP PLUS SW WITH GEO-REDUNDANCY PERPETUAL LICENSE REL 6.X	Other	$1.00	2	$ 2.00	$ 0.94	$ 1.06		Cash	53%		L1 Capacity Upgrade
S16-RTU-MCPPLG	MCP PLUS SW WITH GEO-REDUNDANCY PERPETUAL SCALE VIRTUAL RTU	Other	$29,650.32	1	$ 29,650.32	$ 13,989.26	$ 15,661.06		Cash	53%		L1 Capacity Upgrade
80M-6500-HWM	1 YEAR, 3 MONTHS GLOBAL 6500 STANDARD HARDWARE REPAIR 30-DAY	Other	$2,135.00	1	$ 2,135.00	$ 1,007.31	$ 1,127.69		Cash	53%		L1 Capacity Upgrade
80M-6500-NBS	1 YEAR, 3 MONTHS GLOBAL 6500 NEXT BUSINESS DAY SHIP MANAGED SPARES	Other	$9,489.00	1	$ 9,489.00	$ 4,476.99	$ 5,012.01		Cash	53%		L1 Capacity Upgrade
80M-6500-SSP-COM	1 YEAR, 3 MONTHS 6500 COMPREHENSIVE SUPPORT	Other	$19,273.00	1	$ 19,273.00	$ 9,093.15	$ 10,179.85		Cash	53%		L1 Capacity Upgrade
80M-MCPPLG-COM	1 YEAR, 3 MONTHS MCP PLUS GEO-REDUNDANT SW, COMPREHENSIVE SUPPORT	Other	$13,165.00	1	$ 13,165.00	$ 6,211.35	$ 6,953.65		Cash	53%		L1 Capacity Upgrade
NTK503KA	6500 7-SLOT OPTICAL TYPE 2 SHELF ASSEMBLY	Item	$397.50	11	$ 4,372.50	$ 2,062.98	$ 2,309.52		Cash	53%		Route Additions
NTK507PB	COOLING FAN MODULE (7-SLOT SHELF)	Item	$286.20	11	$ 3,148.20	$ 1,485.35	$ 1,662.85		Cash	53%		Route Additions
NTK509CR	SHELF FRONT COVER W/EXTENDED DEPTH (7-SLOT SHELF)	Item	$89.04	11	$ 979.44	$ 462.11	$ 517.33		Cash	53%		Route Additions
NTTC01FK	CBL PWR 8AWG 150C 5.0M 2W2C LEFT ROUTED TO OPEN BLACK(L+)/RED(L-)	Item	$238.50	11	$ 2,623.50	$ 1,237.79	$ 1,385.71		Cash	53%		Route Additions
NTTC01FL	CBL PWR 8AWG 150C 5.0M 2W2C RIGHT ROUTED TO OPEN BLACK(L+)/RED(L-)	Item	$238.50	11	$ 2,623.50	$ 1,237.79	$ 1,385.71		Cash	53%		Route Additions
NTZF99XC	7-SLOT BRACKET KIT (NTK503KA)	Item	$212.00	11	$ 2,332.00	$ 1,100.26	$ 1,231.74		Cash	53%		Route Additions
NTK50SQA	POWER INPUT CARD (BREAKERED) 2-WIRE D-SUB, MAX 50A	Item	$43.46	22	$ 956.12	$ 451.11	$ 505.01		Cash	53%		Route Additions
NTK505YAE5	INTERFACE FILLER PACK	Item	$37.10	44	$ 1,632.40	$ 770.18	$ 862.22		Cash	53%		Route Additions
NTZF05MV	6500 REL 12.8 NTK555EAE5 SHELF PROCESSOR (SP-2 FOR 6500-7/14/32) KIT	Item	$1,431.00	11	$ 15,741.00	$ 7,426.73	$ 8,314.27		Cash	53%		Route Additions
NTK508FAE5	12 CHANNEL COLOURLESS MUX/DEMUX (CCMD12 C-BAND) CIRCUIT PACK	Item	$3,883.84	8	$ 31,070.72	$ 14,659.41	$ 16,411.31		Cash	53%		Route Additions
NTK552JA	SINGLE LINE RAMAN AMPLIFIER (SRA C-BAND) W/OSC 1X SFP 10/100 BT WSC CIRCUIT PACK	Item	$9,238.96	16	$ 147,823.36	$ 69,744.23	$ 78,079.13		Cash	53%		Route Additions
NTK552JT	ENHANCED SERVICE ACCESS MODULE (ESAM C-BAND) W/OSC 1X SFP 10/100 BT WSC CIRCUIT PACK	Item	$2,836.56	9	$ 25,529.04	$ 12,044.80	$ 13,484.24		Cash	53%		Route Additions
NTK552KA	SWITCHABLE LINE AMPLIFIER (XLA C-BAND) CIRCUIT PACK	Item	$6,338.80	13	$ 82,404.40	$ 38,879.05	$ 43,525.35		Cash	53%		Route Additions
NTK553GB	SELECTIVE MUX/DEMUX (SMD) FLEX C-BAND 8X1 CIRCUIT PACK	Item	$18,020.00	14	$ 252,280.00	$ 119,027.71	$ 133,252.29		Cash	53%		Route Additions
NTK553LA	WAVELENGTH SELECTIVE SWITCH (WSS) FLEX C-BAND W/OPM 9X1 CIRCUIT PACK	Item	$8,904.00	2	$ 17,808.00	$ 8,401.96	$ 9,406.04		Cash	53%		Route Additions
NTK592NGE5	OC-3/STM-1 CWDM 1511NM (0-34DB SPAN) SFP	Item	$954.00	22	$ 20,988.00	$ 9,902.30	$ 11,085.70		Cash	53%		Route Additions
NTK560JM	6500-D7 BASE CERTIFICATE	Item	$385.84	11	$ 4,244.24	$ 2,002.47	$ 2,241.77		Cash	53%		Route Additions
S74-LIC-NTK569MV	6500 REL 12.8 SOFTWARE LICENSE	Item	$0.40	11	$ 4.40	$ 2.08	$ 2.32		Cash	53%		Route Additions
NTK509NZE6	SMALL OPTICAL INSTALLATION/IRM KIT	Item	$87.98	11	$ 967.78	$ 456.61	$ 511.17		Cash	53%		Route Additions
S16-LIC-MCPPLG0600	MCP PLUS SW WITH GEO-REDUNDANCY PERPETUAL LICENSE REL 6.X	Other	$1.00	2	$ 2.00	$ 0.94	$ 1.06		Cash	53%		Route Additions
S16-RTU-MCPPLG	MCP PLUS SW WITH GEO-REDUNDANCY PERPETUAL SCALE VIRTUAL RTU	Other	$38,535.05	1	$ 38,535.05	$ 18,181.14	$ 20,353.91		Cash	53%		Route Additions
80M-6500-HWM	1 YEAR, 3 MONTHS GLOBAL 6500 STANDARD HARDWARE REPAIR 30-DAY	Other	$2,775.00	1	$ 2,775.00	$ 1,309.27	$ 1,465.73		Cash	53%		Route Additions
80M-6500-NBS	1 YEAR, 3 MONTHS GLOBAL 6500 NEXT BUSINESS DAY SHIP MANAGED SPARES	Other	$12,332.00	1	$ 12,332.00	$ 5,818.34	$ 6,513.66		Cash	53%		Route Additions
80M-6500-SSP-COM	1 YEAR, 3 MONTHS 6500 COMPREHENSIVE SUPPORT	Other	$25,048.00	1	$ 25,048.00	$ 11,817.85	$ 13,230.15		Cash	53%		Route Additions
80M-MCPPLG-COM	1 YEAR, 3 MONTHS MCP PLUS GEO-REDUNDANT SW, COMPREHENSIVE SUPPORT	Other	$17,110.00	1	$ 17,110.00	$ 8,072.63	$ 9,037.37		Cash	53%		Route Additions
6-01COP-124194-L2BK	#6 Central Office L2 C-I Black	Foot	$ 2.45	3000	$ 7,350.00	$ 3,467.79	$ 3,882.21		Cash	53%		Route Additions
6-01COP-124194-L2RD	#6 Central Office L2 C-I Red	Foot	$ 2.45	3000	$ 7,350.00	$ 3,467.79	$ 3,882.21		Cash	53%		Route Additions

15216-ATT-LC-10=	Bulk Attenuator - LC Connector - 10dB	Other	$ 52.59	2	$105	$ 48.14	$ 57.04		Cash	54%		BEK
15454-BLANK=	Empty slot Filler Panel	Other	$ 58.99	88	$5,191	$ 2,376.15	$ 2,814.97		Cash	54%		BEK
NCS2006-DC40=	NCS 2006 40A DC Power Filter	Other	$ 32.55	44	$1,432	$ 655.57	$ 776.63		Cash	54%		BEK
NCS2006-DDR=	NCS 2006 Deep Door	Other	$ 9.40	22	$207	$ 94.66	$ 112.14		Cash	54%		BEK
NCS2006-ECU-S=	NCS 2006 External Connections Unit - w/2x USB 3.0 Ports	Other	$ 41.78	22	$919	$ 420.73	$ 498.43		Cash	54%		BEK
NCS2006-FTA=	NCS 2006 Fan Tray	Other	$ 41.78	22	$919	$ 420.73	$ 498.43		Cash	54%		BEK
NCS2006-LCD=	NCS 2006 LCD Display with Backup Memory	Other	$ 16.71	22	$368	$ 168.27	$ 199.35		Cash	54%		BEK
NCS2006-SA=	NCS 2006 Shelf Assembly	Other	$ 167.11	22	$3,676	$ 1,682.82	$ 1,993.60		Cash	54%		BEK
NCS2K-MF-1RU=	Mechanical Frame - 4 slots - 1 RU	Other	$ 51.81	21	$1,088	$ 498.02	$ 589.99		Cash	54%		BEK
ONS-SE-155-1510=	SFP - OC3/STM1 CWDM, 1510 nm, EXT	Other	$ 518.54	37	$19,186	$ 8,782.06	$ 10,403.92		Cash	54%		BEK
15454-M-USBCBL=	USB cable for passive devices	Other	$ 21.03	35	$736	$ 336.91	$ 399.14		Cash	54%		BEK
NCS2K-M-R1112SSK9=	NCS 2K/MSTP - R11.1.2 SW, Media (DVD) SW RTU - SSON	Other	$ 4,375.58	21	$91,887	$ 42,059.81	$ 49,827.37		Cash	54%		BEK
SF-NCS2K-R1112SSK9	NCS 2K/MSTP - R11.1.2 SW, TNCE, TSCE, TNCS/O/2 - SSON	Other		43	$0	$ -	$ -		Cash			BEK
NCS2K-TNCS-2-K9=	NCS 2000 Transport Node Controller, version 2	Other	$ 1,385.18	43	$59,563	$ 27,263.84	$ 32,298.90		Cash	54%		BEK
NCS2K-MF-MPO-16LC=	MPO-16 to 16xLC Fan-Out MF Unit - With Integrated Monitoring	Other	$ 1,412.95	34	$48,040	$ 21,989.64	$ 26,050.66		Cash	54%		BEK
15454-LC-LC-2=	Fiber patchcord - LC to LC - 2m	Other	$ 20.59	72	$1,482	$ 678.58	$ 803.90		Cash	54%		BEK
15216-LC-LC-10=	Fiber patchcord - LC to LC - 6m	Other	$ 24.93	88	$2,194	$ 1,004.19	$ 1,189.65		Cash	54%		BEK
ONS-16MPO-MPO-2=	Multi-fiber patchcord - MPO to MPO 16 fibers - 2m	Other	$ 214.16	47	$10,066	$ 4,607.32	$ 5,458.20		Cash	54%		BEK
NCS2K-FSSMR-2-LIC=	20-port FS-SMR Licensed with 2-ports enabled	Other	$ 12,089.57	35	$423,135	$ 193,682.90	$ 229,452.05		Cash	54%		BEK
15454-M-ALMCBL2=	SCSI Alarm cable 24AWG 8 inputs	Other	$ 21.26	22	$468	$ 214.09	$ 253.63		Cash	54%		BEK
15454-FBR-STRG=	Fiber Storage Shelf	Other	$ 183.02	14	$2,562	$ 1,172.84	$ 1,389.44		Cash	54%		BEK
NCS2K-MF-DEG-5=	Mesh Interconnection MF Unit - Up to 5 Degrees	Other	$ 1,883.93	2	$3,768	$ 1,724.67	$ 2,043.19		Cash	54%		BEK
15216-ATT-LC-5=	Bulk Attenuator - LC Connector - 5dB	Other	$ 52.59	8	$421	$ 192.58	$ 228.14		Cash	54%		BEK
ONS-MPO16-2X8-2=	16-fiber MPO to 2x 8-fiber MPO cable - 2m	Other	$ 137.27	3	$412	$ 188.50	$ 223.31		Cash	54%		BEK
E-NCS2K-1P-LIC=	SW License to enable 1-port on 20-port FS-SMR Licensed	Other	$ 393.90	6	$2,363	$ 1,081.81	$ 1,281.59		Cash	54%		BEK
E-NCS2K-5P-LIC=	SW License to enable 5-port on 20-port FS-SMR Licensed	Other	$ 1,750.67	1	$1,751	$ 801.34	$ 949.33		Cash	54%		BEK
NCS2K-MF-2LC-ADP=	Double LC-LC Adapter MF Unit	Other	$ 1,229.45	2	$2,459	$ 1,125.52	$ 1,333.38		Cash	54%		BEK
ONS-SC-OSC-18.0=	SFP FE/OC3/STM1 OSC for RAMAN application 1518.0nm	Other	$ 691.38	3	$2,074	$ 949.40	$ 1,124.74		Cash	54%		BEK
15454-M-RAMAN-CTP=	15454 MSTP - Raman Amplifier - C-band - Counter-Propagating	Other	$ 14,443.03	3	$43,329	$ 19,833.16	$ 23,495.93		Cash	54%		BEK
NCS2K-OPT-EDFA-35=	NCS2000 - Optical Amplifier, C Band, Switchable Gain	Other	$ 9,419.65	3	$28,259	$ 12,935.06	$ 15,323.89		Cash	54%		BEK
ASR-9010-MIG-KIT	ASR 9010 LightSpeed Migration Kit	Other	$0.00	2	$0	$ -	$ -		Cash			BEK
A9K-SW-MANAGER-CD	ASR 9000 Software Manager CD	Other	$0.00	2	$0	$ -	$ -		Cash			BEK
A9K-TRADITIONAL	ASR 9000 Traditional Business Model - Tracking only	Other	$0.00	2	$0	$ -	$ -		Cash			BEK
RSP5-TR	ASR 9000 Route Switch Processor 5 TR for Bundles	Other	$0.00	4	$0	$ -	$ -		Cash			BEK
XR-A9K-X64K9-07.6	Cisco ASR9000 64-BIT IOS XR Software 3DES	Other	$3,430.69	2	$6,861	$ 3,140.68	$ 3,720.70		Cash	54%		BEK
A9K-8HG-FLEX-TR	ASR 9000 800G Packet Transport Combo Line Card - 5th Generat	Other	$126,420.83	2	$252,842	$ 115,734.02	$ 137,107.64		Cash	54%		BEK
A9K-8HG-FLEX-TR	ASR 9000 800G Packet Transport Combo Line Card - 5th Generat	Other	$126,420.83	2	$252,842	$ 115,734.02	$ 137,107.64		Cash	54%		BEK
A9K-8HG-FLEX-TR	ASR 9000 800G Packet Transport Combo Line Card - 5th Generat	Other	$126,420.83	2	$252,842	$ 115,734.02	$ 137,107.64		Cash	54%		BEK
S-A9K-400G-ENABLE	ASR 9000 Enablement License for 400G Port on 5th Gen LC	Other	$4,597.12	4	$18,388	$ 8,417.02	$ 9,971.46		Cash	54%		BEK
DCO-100G-RTU	100G Digital Coherent Optic RTU - NCS540(LG),5500, 8K and 9K	Other	$2,261.25	8	$18,090	$ 8,280.39	$ 9,809.61		Cash	54%		BEK
S-A9K-400G-ENABLE	ASR 9000 Enablement License for 400G Port on 5th Gen LC	Other	$4,597.12	4	$18,388	$ 8,417.02	$ 9,971.46		Cash	54%		BEK
DCO-100G-RTU	100G Digital Coherent Optic RTU - NCS540(LG),5500, 8K and 9K	Other	$2,261.25	8	$18,090	$ 8,280.39	$ 9,809.61		Cash	54%		BEK
S-A9K-400G-ENABLE	ASR 9000 Enablement License for 400G Port on 5th Gen LC	Other	$4,597.12	2	$9,194	$ 4,208.51	$ 4,985.73		Cash	54%		BEK
ASR-9904-MIG-KIT	ASR 9904 LightSpeed Migration Kit	Other	$0.00	2	$0	$ -	$ -		Cash			BEK
A9K-SW-MANAGER-CD	ASR 9000 Software Manager CD	Other	$0.00	2	$0	$ -	$ -		Cash			BEK
A9K-TRADITIONAL	ASR 9000 Traditional Business Model - Tracking only	Other	$0.00	2	$0	$ -	$ -		Cash			BEK
RSP5-TR	ASR 9000 Route Switch Processor 5 TR for Bundles	Other	$0.00	4	$0	$ -	$ -		Cash			BEK
XR-A9K-X64K9-07.6	Cisco ASR9000 64-BIT IOS XR Software 3DES	Other	$3,430.69	2	$6,861	$ 3,140.68	$ 3,720.70		Cash	54%		BEK
A9K-8HG-FLEX-TR	ASR 9000 800G Packet Transport Combo Line Card - 5th Generat	Other	$126,420.83	2	$252,842	$ 115,734.02	$ 137,107.64		Cash	54%		BEK
A9K-8HG-FLEX-TR	ASR 9000 800G Packet Transport Combo Line Card - 5th Generat	Other	$126,420.83	2	$252,842	$ 115,734.02	$ 137,107.64		Cash	54%		BEK
S-A9K-400G-ENABLE	ASR 9000 Enablement License for 400G Port on 5th Gen LC	Other	$4,597.12	4	$18,388	$ 8,417.02	$ 9,971.46		Cash	54%		BEK
S-A9K-400G-ENABLE	ASR 9000 Enablement License for 400G Port on 5th Gen LC	Other	$4,597.12	2	$9,194	$ 4,208.51	$ 4,985.73		Cash	54%		BEK
NCS-57C3-MOD-SYS	NCS 57C3 Base Chassis, Flexible Consumption Need Smart Lic	Other	$20,142.65	27	$543,852	$ 248,938.90	$ 294,912.65		Cash	54%		BEK
NCS-57C3-MOD-TRK	57C3 Base Hardware Tracking PID	Other	$0.00	27	$0	$ -	$ -		Cash			BEK
NCS5-MPA-BLNK	NCS 5500 MPA Blank Filler	Other	$0.00	54	$0	$ -	$ -		Cash			BEK
NCS7-C3-FAN1-FW	NCS 57C3 Fan Tray (40mm) Chassis Port-S Intake	Other	$0.00	212	$0	$ -	$ -		Cash			BEK
NCS7-C3-FAN2-FW	NCS 57C3 Fan Tray (60mm) Chassis Port-S Intake	Other	$0.00	54	$0	$ -	$ -		Cash			BEK
NCS7-3RU-ACC-KIT	NCS 57C3 Accessory Kit for 3RU Chassis	Other	$0.00	27	$0	$ -	$ -		Cash			BEK
NCS7-MPA-2D4H-FC	NCS 5700 QSFP-DD MPA	Other	$12,533.20	27	$338,396	$ 154,895.26	$ 183,501.14		Cash	54%		BEK
NCS7-MOD-RP2-E	NCS 5700 Route Processor with SyncE	Other	$4,476.15	28	$125,332	$ 57,368.71	$ 67,963.49		Cash	54%		BEK
XR-7.6-K9-TRK	IOS-XR 7.6 tracking license	Other	$0.00	27	$0	$ -	$ -		Cash			BEK
TRK-7.6-K9-NCS5	IOS XR 7.6 K9 Software Image	Other	$0.00	27	$0	$ -	$ -		Cash			BEK
NCS7-1600W-DCFW	NCS 57C3 DC 1560W Power Supply Port-S Intake / Front-to-back	Other	$0.00	54	$0	$ -	$ -		Cash			BEK
CAB-48DC-40A-8AWG	C-Series -48VDC PSU Power Cord, 3.5M, 3 Wire, 8AWG, 40A	Other	$0.00	54	$0	$ -	$ -		Cash			BEK
ADN-100G-RTU-2	Core & Aggregation Advantage w/ Essentials SW RTU v2.0 100G	Other	$1,275.70	318	$405,673	$ 185,689.81	$ 219,982.79		Cash	54%		BEK
ADN2-100G-SIA-3	Core & Aggr Advantage Nested SIA v2.0 100G 3-5 year term	Other	$695.97	318	$221,318	$ 101,304.80	$ 120,013.66		Cash	54%		BEK
SD-SVS-FC-IOSXR	Flexible Consumption IOSXR	Other	$0.00	27	$0	$ -	$ -		Cash			BEK
ESS-100G-RTU-2	Core & Aggregation Essentials SW Right-to-Use v2.0 100G	Other	$738.56	6	$4,431	$ 2,028.38	$ 2,402.98		Cash	54%		BEK
DCO-100G-RTU	100G Digital Coherent Optic RTU - NCS540(LG),5500, 8K and 9K	Other	$697.22	4	$2,789	$ 1,276.56	$ 1,512.32		Cash	54%		BEK
ESS2-100G-SIA-3	Core & Aggr Essentials SIA v2.0 100G 3-5 year term	Other	$402.93	6	$2,418	$ 1,106.61	$ 1,310.97		Cash	54%		BEK
QDD-400G-DR4-S=	400G QSFP-DD Transceiver, 400GBASE-DR4,MPO-12,500m parallel	Other	$1,276.81	12	$15,322	$ 7,013.26	$ 8,308.46		Cash	54%		BEK
100GQSFP-LR4-4=	4 units of 100G LR4	Other	$3,903.52	1	$3,904	$ 1,786.77	$ 2,116.75		Cash	54%		BEK
QSFP-100G-LR4-S	100GBASE LR4 QSFP Transceiver, LC, 10km over SMF	Other	$0.00	4	$0	$ -	$ -		Cash			BEK
QDD-400-AOC3M=	400G QSFP-DD Active Optical Cable, 3M	Other	$1,276.81	13	$16,599	$ 7,597.70	$ 9,000.83		Cash	54%		BEK
QDD400GZRP-15-BUN	RON Bundle 15x QDD 400G ZRP	Other	$108,057.60	2	$216,115	$ 98,923.10	$ 117,192.10		Cash	54%		BEK
DCO-100G-RTU	100G Digital Coherent Optic RTU - NCS540(LG),5500, 8K and 9K	Other	$0.00	120	$0	$ -	$ -		Cash			BEK
QDD-400G-ZRP-S	QSFP-DD transceiver module, coherent DCO, 400G-ZR+	Other	$0.00	30	$0	$ -	$ -		Cash			BEK
QDD400GZRP-4-BUN	4x QSFP-DD 400G ZR+ Bundle	Other	$30,873.60	1	$30,874	$ 14,131.87	$ 16,741.73		Cash	54%		BEK
QDD-400G-ZRP-S	QSFP-DD transceiver module, coherent DCO, 400G-ZR+	Other	$0.00	4	$0	$ -	$ -		Cash			BEK

CON-SNT-NCS2006A	SNTC-8X5XNBD NCS 2006 Shelf Assembly	Other	$27.90	22	$614	$ 280.96	$ 332.84		Cash	54%		BEK
CON-SNT-NCCS29TN	SNTC-8X5XNBD NCS 2000 Transport N	Other	$234.90	43	$10,101	$ 4,623.43	$ 5,477.27		Cash	54%		BEK
CON-SNT-ASR901MG	SNTC-8X5XNBD ASR 9010 LightSpeed Migration Kit	Other	$0.00	2	$0	$ -	$ -		Cash			BEK
CON-SNT-RSP5TR5R	SNTC-8X5XNBD ASR 9000 Route Switch Processor5 TR for	Other	$2,268.00	4	$9,072	$ 4,152.56	$ 4,919.44		Cash	54%		BEK
CON-SNT-A9K8HGFT	SNTC-8X5XNBD ASR 9000 800G Packet Transport Combo Lin	Other	$20,021.04	2	$40,042	$ 18,328.59	$ 21,713.49		Cash	54%		BEK
CON-SNT-A9K8HGFT	SNTC-8X5XNBD ASR 9000 800G Packet Transport Combo Lin	Other	$20,021.04	2	$40,042	$ 18,328.59	$ 21,713.49		Cash	54%		BEK
CON-SNT-A9K8HGFT	SNTC-8X5XNBD ASR 9000 800G Packet Transport Combo Lin	Other	$20,021.04	2	$40,042	$ 18,328.59	$ 21,713.49		Cash	54%		BEK
CON-ECMU-SA9KBL4G	SWSS UPGRADES ASR 9000 Enablement License for 400G por	Other	$1,040.04	4	$4,160	$ 1,904.24	$ 2,255.92		Cash	54%		BEK
CON-ECMU-SA9KBL4G	SWSS UPGRADES ASR 9000 Enablement License for 400G por	Other	$1,040.04	4	$4,160	$ 1,904.24	$ 2,255.92		Cash	54%		BEK
CON-ECMU-SA9KBL4G	SWSS UPGRADES ASR 9000 Enablement License for 400G por	Other	$1,040.04	2	$2,080	$ 952.12	$ 1,127.96		Cash	54%		BEK
CON-SNT-ASR9904I	SNTC-8X5XNBD ASR 9904 LightSpeed Migration Kit	Other		2	$0	$ -	$ -		Cash			BEK
CON-SNT-RSP5TR5R	SNTC-8X5XNBD ASR 9000 Route Switch Processor5 TR for	Other	$2,268.00	4	$9,072	$ 4,152.56	$ 4,919.44		Cash	54%		BEK
CON-SNT-A9K8HGFT	SNTC-8X5XNBD ASR 9000 800G Packet Transport Combo Lin	Other	$20,021.04	2	$40,042	$ 18,328.59	$ 21,713.49		Cash	54%		BEK
CON-SNT-A9K8HGFT	SNTC-8X5XNBD ASR 9000 800G Packet Transport Combo Lin	Other	$20,021.04	2	$40,042	$ 18,328.59	$ 21,713.49		Cash	54%		BEK
CON-ECMU-SA9KBL4G	SWSS UPGRADES ASR 9000 Enablement License for 400G por	Other	$1,040.04	4	$4,160	$ 1,904.24	$ 2,255.92		Cash	54%		BEK
CON-ECMU-SA9KBL4G	SWSS UPGRADES ASR 9000 Enablement License for 400G por	Other	$1,040.04	2	$2,080	$ 952.12	$ 1,127.96		Cash	54%		BEK
SD-AR1K-NCSSYSC3	AR LEVEL 1 NO SW SUP NCS 57C3 Base Chassi	Other	$4,875.12	27	$131,628	$ 60,250.61	$ 71,377.63		Cash	54%		BEK
SD-AR1K-NCS7FMPA	AR LEVEL 1 NO SW SUP NCS 5500 - 2X400G or 4X200G QSFP-DD MPA	Other	$2,730.24	27	$73,716	$ 33,742.48	$ 39,974.00		Cash	54%		BEK
SD-AR1K-NCS7MODR	AR LEVEL 1 NO SW SUP NCS 5700 Route Proc w SyncE	Other	$975.24	28	$27,307	$ 12,499.19	$ 14,807.53		Cash	54%		BEK
SD-SWK-ADN100GR	SW SUPPORT NO UPG Core Aggregation AdvantageNested SW Ri	Other	$278.10	318	$88,436	$ 40,480.00	$ 47,955.80		Cash	54%		BEK
SD-SWK-ESS1002G	SW SUPPORT NO UPG Core andAggregation Essentials SWRight-t	Other	$160.92	6	$966	$ 441.95	$ 523.57		Cash	54%		BEK
170-5164-902	5164,(32)25/10/1G SFP28, (4)200/100G QSFP-DD, EXT. TEMP,DUAL DC POWER	Item	$ 4,849.50	11	$ 53,344.50	$ 26,856.78	$ 26,487.72		Cash	50%		Griggs
170-0351-900	SPARE DC POWER CORD,3 METERS,FOR USE WITH 5130/5144/5164/5166	Item	$ 31.80	10	$ 318.00	$ 160.10	$ 157.90		Cash	50%		Griggs
170-0353-900	USB 2.0 MALE TO USB C MALE CABLE, 3M/10FT	Item	$ 32.00	5	$ 160.00	$ 80.55	$ 79.45		Cash	50%		Griggs
S75-LIC-5164EO-P	SAOS BASE OS, ETHERNET & OAM, FLEXE, 100G SOFTWARE LICENSE FOR 5164, PERPETUAL	Other	$ 3,021.00	10	$ 30,210.00	$ 15,209.50	$ 15,000.50		Cash	50%		Griggs
S75-LIC-5164MPLS-P	SAOS ROUTING AND MPLS SOFTWARE LICENSE FOR 5164, PERPETUAL	Other	$ 2,279.00	10	$ 22,790.00	$ 11,473.83	$ 11,316.17		Cash	50%		Griggs
S75-LIC-5164SEC-P	SAOS SECURITY SOFTWARE LICENSE FOR 5164, PERPETUAL	Other	$ 132.50	10	$ 1,325.00	$ 667.08	$ 657.92		Cash	50%		Griggs
S75-LIC-WL5N100G	PACKET SAOS 10.X WL5N CAPACITY LICENSE (PER 100G)	Other	$ 1,000.00	5	$ 5,000.00	$ 2,517.30	$ 2,482.70		Cash	50%		Griggs
XCVR-Q40V31	100G,SM QSFP28 4WDM-40 OPTIC,40KM,1310 NM, EXTENDED TEMPERATURE	Item	$ 3,199.00	6	$ 19,194.00	$ 9,663.39	$ 9,530.61		Cash	50%		Griggs
160-9460-003	103.1G-112.28G, 3M, QSFP28-QSFP28 AOC	Item	$ 341.00	10	$ 3,410.00	$ 1,716.80	$ 1,693.20		Cash	50%		Griggs
XCVR-S00Z85	10 GIG,MM SFP+,LC CONNECTOR,300 METERS,850NM,EXTENDED TEMPERATURE	Item	$ 39.00	7	$ 273.00	$ 137.44	$ 135.56		Cash	50%		Griggs
XCVR-080Y55	100M/1 GIG,SM SFP OPTIC,LC CONNECTOR,80 KM,1550 NM,EXTENDED TEMPERATURE	Item	$ 59.00	2	$ 118.00	$ 59.41	$ 58.59		Cash	50%		Griggs
XCVR-A10Y31	100M/1GIG, SM SFP OPTIC, LC CONNECTOR, 10 KM, 1310 NM,EXTENDED TEMPERATURE	Item	$ 31.16	14	$ 436.24	$ 219.63	$ 216.61		Cash	50%		Griggs
XCVR-B00CRJ	10/100/1000M,SFP TRANSCEIVER,RJ45 CONNECTOR,SGMII,100 METERS, RX LOS,EXTENDED TEMPERATURE	Item	$ 35.25	9	$ 317.25	$ 159.72	$ 157.53		Cash	50%		Griggs
NTK503KA	6500 7-SLOT OPTICAL TYPE 2 SHELF ASSEMBLY	Item	$ 1,526.40	8	$ 12,211.20	$ 6,147.84	$ 6,063.36		Cash	50%		Griggs
NTT862NA	42 CHANNEL MUX/DEMUX (CMD42) 112.5 GHZ C-BAND MODULE	Item	$ 2,043.68	18	$ 36,786.24	$ 18,520.37	$ 18,265.87		Cash	50%		Griggs
NTK507PB	COOLING FAN MODULE (7-SLOT SHELF)	Item	$ 305.28	8	$ 2,442.24	$ 1,229.57	$ 1,212.67		Cash	50%		Griggs
NTK509CPE6	SHELF FRONT COVER (7-SLOT SHELF)	Item	$ 175.96	8	$ 1,407.68	$ 708.71	$ 698.97		Cash	50%		Griggs
NTK509JS	SHELF BRKT KIT, REAR EXHAUST, 567 C-C, 100/127 S/B, EIA HP, 7-SLOT TYPE 2 SHELF	Item	$ 162.07	8	$ 1,296.56	$ 652.76	$ 643.80		Cash	50%		Griggs
NTTC01CFE6	CBL PWR 8AWG 2.5M 2W2C LEFT ROUTED TO OPEN	Item	$ 53.00	8	$ 424.00	$ 213.47	$ 210.53		Cash	50%		Griggs
NTTC01CHE6	CBL PWR 8AWG 2.5M 2W2C RIGHT ROUTED TO OPEN	Item	$ 53.00	8	$ 424.00	$ 213.47	$ 210.53		Cash	50%		Griggs
NTK505QA	POWER INPUT CARD (BREAKERED) 2-WIRE D-SUB, MAX 50A	Item	$ 247.78	16	$ 3,964.48	$ 1,995.95	$ 1,968.53		Cash	50%		Griggs
NTK505YAE5	INTERFACE FILLER PACK	Item	$ 31.80	24	$ 763.20	$ 384.24	$ 378.96		Cash	50%		Griggs
NTZF15M2	6500 REL 12.61 NTK555NB SHELF PROCESSOR (SPAP-2 W/2XOSC FOR 6500-2/7 TYPE 2) KIT	Item	$ 1,696.00	8	$ 13,568.00	$ 6,830.93	$ 6,737.07		Cash	50%		Griggs
NTK553RA	ROADM WITH LINE AMPLIFIER FLEX C-BAND 5X1 CIRCUIT PACK	Item	$ 9,539.70	16	$ 152,635.20	$ 76,845.59	$ 75,789.61		Cash	50%		Griggs
NTK592NGE5	OC-3/STM-1 CWDM 1511NM (0-34DB SPAN) SFP	Item	$ 534.24	16	$ 8,547.84	$ 4,303.49	$ 4,244.35		Cash	50%		Griggs
S74-LIC-NTK560JM	6500-D7/S8 BASE LICENSE	Item	$ 385.84	9	$ 3,472.56	$ 1,748.29	$ 1,724.27		Cash	50%		Griggs
S74-LIC-NTK569MM	6500 REL 12.6 SOFTWARE LICENSE	Item	$ 0.40	9	$ 3.60	$ 1.81	$ 1.79		Cash	50%		Griggs
NTK609ZXE6	OPTICAL INSTALLATION/IRM KIT	Item	$ 137.80	8	$ 1,102.40	$ 555.01	$ 547.39		Cash	50%		Griggs
170-0336-900	8110/8114,DC PLUGGABLE POWER SUPPLY 48V	Item	$ 660.00	25	$ 16,500.00	$ 8,307.08	$ 8,192.92		Cash	50%		Griggs
170-8110-900	8110,(22)100G QSFP28,(4)25G/10G/1G SFP28,(2)SLOTS 800G MOD,EXT. TEMP,(2)SLOTS AC OR DC PLUG PWR SUP	Item	$ 11,567.00	13	$ 150,371.00	$ 75,705.65	$ 74,665.35		Cash	50%		Griggs
170-0353-900	USB 2.0 MALE TO USB C MALE CABLE, 3M/10FT	Item	$ 32.00	7	$ 224.00	$ 112.77	$ 111.23		Cash	50%		Griggs
S75-LIC-8110EO-P	SAOS BASE OS, ETHERNET & OAM SOFTWARE LICENSE FOR 8110, PERPETUAL	Item	$ 6,472.00	12	$ 77,664.00	$ 39,100.65	$ 38,563.35		Cash	50%		Griggs
S75-LIC-8110MPLS-P	SAOS ROUTING/MPLS SOFTWARE LICENSE FOR 8110, PERPETUAL	Item	$ 5,464.51	12	$ 65,574.12	$ 33,013.89	$ 32,560.23		Cash	50%		Griggs
S75-LIC-8110SEC-P	SAOS SECURITY SOFTWARE LICENSE FOR 8110, PERPETUAL	Item	$ 95.40	12	$ 1,144.80	$ 576.36	$ 568.44		Cash	50%		Griggs
S75-LIC-WL5N0500KM	PACKET SAOS 10.X WL5N REACH LICENSE (UP TO 500KM)	Item	$ 1.00	16	$ 16.00	$ 8.06	$ 7.94		Cash	50%		Griggs
S75-LIC-WL5N100G	PACKET SAOS 10.X WL5N CAPACITY LICENSE (PER 100G)	Item	$ 1,000.00	16	$ 16,000.00	$ 8,055.35	$ 7,944.65		Cash	50%		Griggs
170-0339-900	8110/8114, MODULE, (2)400G QSFP-DD	Item	$ 1,480.00	3	$ 4,440.00	$ 2,235.36	$ 2,204.64		Cash	50%		Griggs
170-0389-900	8110/8114, MODULE, (2)400G CFP2-DCO	Item	$ 1,480.00	23	$ 34,040.00	$ 17,137.75	$ 16,902.25		Cash	50%		Griggs
180-2360-900	WL5N 100G-400G TYPE 6.0 CFP2-DCO	Item	$ 10,000.00	16	$ 160,000.00	$ 80,553.46	$ 79,446.54		Cash	50%		Griggs
160-9600-900	400G-FR4, SMF, 2KM QSFP-DD	Item	$ 1,700.00	3	$ 5,100.00	$ 2,567.64	$ 2,532.36		Cash	50%		Griggs
XCVR-Q40V31	100G,SM QSFP28 4WDM-40 OPTIC,40KM,1310 NM, EXTENDED TEMPERATURE	Item	$ 3,199.00	9	$ 28,791.00	$ 14,495.09	$ 14,295.91		Cash	50%		Griggs
XCVR-Q80V31	100G, SM QSFP28 ZR4 OPTIC, 80KM, 1310 NM	Item	$ 4,850.00	5	$ 24,250.00	$ 12,208.88	$ 12,041.12		Cash	50%		Griggs
S75-LIC-WL5N0500KM	PACKET SAOS 10.X WL5N REACH LICENSE (UP TO 500KM)	Item	$ 1.00	8	$ 8.00	$ 4.03	$ 3.97		Cash	50%		Griggs
S75-LIC-WL5N100G	PACKET SAOS 10.X WL5N CAPACITY LICENSE (PER 100G)	Item	$ 1,000.00	32	$ 32,000.00	$ 16,110.69	$ 15,889.31		Cash	50%		Griggs
160-9460-003	103.1G-112.28G, 3M, QSFP28-QSFP28 AOC	Item	$ 341.00	7	$ 2,387.00	$ 1,201.76	$ 1,185.24		Cash	50%		Griggs
180-2360-900	WL5N 100G-400G TYPE 6.0 CFP2-DCO	Item	$ 10,000.00	9	$ 90,000.00	$ 45,311.32	$ 44,688.68		Cash	50%		Griggs
170-0336-900	8110/8114,DC PLUGGABLE POWER SUPPLY 48V	Item	$ 660.00	7	$ 4,620.00	$ 2,325.98	$ 2,294.02		Cash	50%		Griggs
170-8114-900	8114,(6)100G QSFP28,(48)25G/10G/1G SFP28,(2)SLOTS 800G MOD,EXT. TEMP,(2)SLOTS AC OR DC PLUG PWR SUP	Item	$ 11,610.18	4	$ 46,440.72	$ 23,381.01	$ 23,059.71		Cash	50%		Griggs
170-0353-900	USB 2.0 MALE TO USB C MALE CABLE, 3M/10FT	Item	$ 32.00	3	$ 96.00	$ 48.33	$ 47.67		Cash	50%		Griggs
S75-LIC-8114EO-P	SAOS BASE OS, ETHERNET & OAM SOFTWARE LICENSE FOR 8114, PERPETUAL	Item	$ 6,625.00	3	$ 19,875.00	$ 10,006.25	$ 9,868.75		Cash	50%		Griggs
S75-LIC-8114MPLS-P	SAOS ROUTING AND MPLS SOFTWARE LICENSE FOR 8114, PERPETUAL	Item	$ 5,129.34	3	$ 15,388.02	$ 7,747.24	$ 7,640.78		Cash	50%		Griggs
S75-LIC-8114SEC-P	SAOS SECURITY SOFTWARE LICENSE FOR 8114, PERPETUAL	Item	$ 95.40	3	$ 286.20	$ 144.09	$ 142.11		Cash	50%		Griggs
170-0338-900	8110/8114 FILLER COVER	Item	$ 170.66	6	$ 1,023.96	$ 515.52	$ 508.44		Cash	50%		Griggs
XCVR-Q40V31	100G,SM QSFP28 4WDM-40 OPTIC,40KM,1310 NM, EXTENDED TEMPERATURE	Item	$ 3,199.00	3	$ 9,597.00	$ 4,831.70	$ 4,765.30		Cash	50%		Griggs
XCVR-Q80V31	100G, SM QSFP28 ZR4 OPTIC, 80KM, 1310 NM	Item	$ 4,850.00	3	$ 14,550.00	$ 7,325.33	$ 7,224.67		Cash	50%		Griggs
S16-LIC-MCPBA0600	MCP BASE SW PERPETUAL LICENSE REL 6.X	Item	$ 1.00	2	$ 2.00	$ 1.01	$ 0.99		Cash	50%		Griggs
S16-RTU-MCPBA	MCP BASE SW PERPETUAL SCALE VIRTUAL RTU	Item	$ 20,089.12	1	$ 20,089.12	$ 10,114.05	$ 9,975.07		Cash	50%		Griggs
S16-RTU-MCPBA	MCP BASE SW PERPETUAL SCALE VIRTUAL RTU	Item	$ 13,546.64	1	$ 13,546.64	$ 6,820.18	$ 6,726.46		Cash	50%		Griggs
S16-LIC-MCPNETMN	ADAPTIVE IP NETWORK MONITORING CIENA APPLICATION LICENSE	Item	$ 1.00	2	$ 2.00	$ 1.01	$ 0.99		Cash	50%		Griggs
S16-LIC-MCPSERMN	ADAPTIVE IP SERVICE MONITORING CIENA APPLICATION LICENSE	Item	$ 1.00	2	$ 2.00	$ 1.01	$ 0.99		Cash	50%		Griggs
S16-LIC-MCPTRENG	ADAPTIVE IP LAYER 3 TRAFFIC ENGINEERING CIENA APPLICATION LICENSE	Item	$ 1.00	2	$ 2.00	$ 1.01	$ 0.99		Cash	50%		Griggs

S16-RTU-MCPNETMN	ADAPTIVE IP NETWORK MONITORING CIENA APPLICATION RTU	Item	$ 13,416.59	1	$ 13,416.59	$ 6,754.70	$ 6,661.89		Cash	50%		Griggs
S16-RTU-MCPSERMN	ADAPTIVE IP SERVICE MONITORING CIENA APPLICATION RTU	Item	$ 8,944.40	1	$ 8,944.40	$ 4,503.14	$ 4,441.26		Cash	50%		Griggs
S16-RTU-MCPTRENG	ADAPTIVE IP LAYER 3 TRAFFIC ENGINEERING CIENA APPLICATION RTU	Item	$ 8,944.40	1	$ 8,944.40	$ 4,503.14	$ 4,441.26		Cash	50%		Griggs
S16-RTU-MCPNETMN	ADAPTIVE IP NETWORK MONITORING CIENA APPLICATION RTU	Item	$ 12,950.71	1	$ 12,950.71	$ 6,520.15	$ 6,430.56		Cash	50%		Griggs
S16-RTU-MCPSERMN	ADAPTIVE IP SERVICE MONITORING CIENA APPLICATION RTU	Item	$ 8,633.81	1	$ 8,633.81	$ 4,346.77	$ 4,287.04		Cash	50%		Griggs
S16-RTU-MCPTRENG	ADAPTIVE IP LAYER 3 TRAFFIC ENGINEERING CIENA APPLICATION RTU	Item	$ 8,633.81	1	$ 8,633.81	$ 4,346.77	$ 4,287.04		Cash	50%		Griggs
80M-5164-HWM	7 YEARS GLOBAL 5164 STANDARD HARDWARE REPAIR 10-DAY	Other	$ 1,327.39	8	$ 10,619.11	$ 5,346.29	$ 5,272.82		Cash	50%		Griggs
80M-5164-NBS	7 YEARS GLOBAL 5164 NEXT BUSINESS DAY SHIP MANAGED SPARES	Other	$ 1,474.68	8	$ 11,797.42	$ 5,939.52	$ 5,857.90		Cash	50%		Griggs
80M-5164-SSP-COM	7 YEARS GLOBAL 5164 COMPREHENSIVE SUPPORT	Other	$ 2,994.44	8	$ 23,955.49	$ 12,060.61	$ 11,894.88		Cash	50%		Griggs
80M-8110-HWM	7 YEARS GLOBAL 8110 STANDARD HARDWARE REPAIR 10-DAY	Other	$ 3,500.71	7	$ 24,504.95	$ 12,337.24	$ 12,167.71		Cash	50%		Griggs
80M-8110-NBS	7 YEARS GLOBAL 8110 NEXT BUSINESS DAY SHIP MANAGED SPARES	Other	$ 3,889.82	7	$ 27,228.74	$ 13,708.56	$ 13,520.18		Cash	50%		Griggs
80M-8110-SSP-COM	7 YEARS GLOBAL 8110 COMPREHENSIVE SUPPORT	Other	$ 7,900.16	7	$ 55,301.13	$ 27,841.86	$ 27,459.27		Cash	50%		Griggs
80M-8114-HWM	7 YEARS GLOBAL 8114 STANDARD HARDWARE REPAIR 10-DAY	Other	$ 2,645.66	3	$ 7,936.98	$ 3,995.95	$ 3,941.03		Cash	50%		Griggs
80M-8114-NBS	7 YEARS GLOBAL 8114 NEXT BUSINESS DAY SHIP MANAGED SPARES	Other	$ 2,939.92	3	$ 8,819.76	$ 4,440.39	$ 4,379.37		Cash	50%		Griggs
80M-8114-SSP-COM	7 YEARS GLOBAL 8114 COMPREHENSIVE SUPPORT	Other	$ 5,972.27	3	$ 17,916.81	$ 9,020.38	$ 8,896.43		Cash	50%		Griggs
80M-MCPBA-COM	7 YEARS MCP BASE SW, COMPREHENSIVE SUPPORT	Other	$ 35,044.63	1	$ 35,044.63	$ 17,643.54	$ 17,401.09		Cash	50%		Griggs
80M-MCPNETMN-COM	7 YEARS ADAPTIVE IP NETWORK MONITORING CIENA APPLICATION, COMPREHENSIVE SUPPORT	Other	$ 2,606.60	9	$ 23,459.40	$ 11,810.85	$ 11,648.55		Cash	50%		Griggs
80M-MCPSERMN-COM	7 YEARS ADAPTIVE IP SERVICE MONITORING CIENA APPLICATION, COMPREHENSIVE SUPPORT	Other	$ 1,738.17	9	$ 15,643.53	$ 7,875.88	$ 7,767.65		Cash	50%		Griggs
80M-MCPTRENG-COM	7 YEARS ADAPTIVE IP LAYER 3 TRAFFIC ENGINEERING CIENA APPLICATION, COMPREHENSIVE SUPPORT	Other	$ 1,738.17	9	$ 15,643.53	$ 7,875.88	$ 7,767.65		Cash	50%		Griggs
80M-5164-HWM	3 YEARS GLOBAL 5164 STANDARD HARDWARE REPAIR 10-DAY	Other	$ 2,171.00	1	$ 2,171.00	$ 1,093.01	$ 1,077.99		Cash	50%		Griggs
80M-5164-NBS	3 YEARS GLOBAL 5164 NEXT BUSINESS DAY SHIP MANAGED SPARES	Other	$ 2,895.00	1	$ 2,895.00	$ 1,457.51	$ 1,437.49		Cash	50%		Griggs
80M-5164-SSP-COM	3 YEARS GLOBAL 5164 COMPREHENSIVE SUPPORT	Other	$ 5,880.00	1	$ 5,880.00	$ 2,960.34	$ 2,919.66		Cash	50%		Griggs
80M-6500-HWM	3 YEARS GLOBAL 6500 STANDARD HARDWARE REPAIR 30-DAY	Other	$ 8,567.00	1	$ 8,567.00	$ 4,313.13	$ 4,253.87		Cash	50%		Griggs
80M-6500-NBS	3 YEARS GLOBAL 6500 NEXT BUSINESS DAY SHIP MANAGED SPARES	Other	$ 11,422.00	1	$ 11,422.00	$ 5,750.51	$ 5,671.49		Cash	50%		Griggs
80M-6500-SSP-COM	3 YEARS 6500 COMPREHENSIVE SUPPORT	Other	$ 23,200.00	1	$ 23,200.00	$ 11,680.25	$ 11,519.75		Cash	50%		Griggs
80M-8110-HWM	3 YEARS GLOBAL 8110 STANDARD HARDWARE REPAIR 10-DAY	Other	$ 13,371.00	1	$ 13,371.00	$ 6,731.75	$ 6,639.25		Cash	50%		Griggs
80M-8110-NBS	3 YEARS GLOBAL 8110 NEXT BUSINESS DAY SHIP MANAGED SPARES	Other	$ 17,827.00	1	$ 17,827.00	$ 8,975.17	$ 8,851.83		Cash	50%		Griggs
80M-8110-SSP-COM	3 YEARS GLOBAL 8110 COMPREHENSIVE SUPPORT	Other	$ 36,211.00	1	$ 36,211.00	$ 18,230.76	$ 17,980.24		Cash	50%		Griggs
80M-MCPBA-COM	3 YEARS MCP BASE SW, COMPREHENSIVE SUPPORT	Other	$ 20,893.00	1	$ 20,893.00	$ 10,518.77	$ 10,374.23		Cash	50%		Griggs
80M-MCPNETMN-COM	3 YEARS ADAPTIVE IP NETWORK MONITORING CIENA APPLICATION, COMPREHENSIVE SUPPORT	Other	$ 10,102.00	1	$ 10,102.00	$ 5,085.94	$ 5,016.06		Cash	50%		Griggs
80M-MCPSERMN-COM	3 YEARS ADAPTIVE IP SERVICE MONITORING CIENA APPLICATION, COMPREHENSIVE SUPPORT	Other	$ 6,735.00	1	$ 6,735.00	$ 3,390.80	$ 3,344.20		Cash	50%		Griggs
80M-MCPTRENG-COM	3 YEARS ADAPTIVE IP LAYER 3 TRAFFIC ENGINEERING CIENA APPLICATION, COMPREHENSIVE SUPPORT	Other	$ 6,735.00	1	$ 6,735.00	$ 3,390.80	$ 3,344.20		Cash	50%		Griggs
	Ciena Executive Discount	Other		1	$ (98,499.98)	$ (49,590.72)	$ (48,909.26)		Cash	50%		Griggs
	Ciena taxes	Other			$ 115,000.00	$ 57,897.80	$ 57,102.20		Cash	50%		Griggs
	NCS57B1 Fixed Base HW Flexible Consumption Need Smart Lic	Item	$48,439.14	18	$ 871,904.52	$ 299,880.20	$ 572,024.32		Cash	66%		RTC
	AR LEVEL 1 NO SW SUP NCS57B1 Fixed Base HW Flexible Consumpt	Item	$20,538.75	18	$ 369,697.50	$ 127,152.64	$ 242,544.86		Cash	66%		RTC
	57B1-6D24 Base Hardware Tracking PID	Item	$0.00	18	$ -	$ -	$ -		Cash			RTC
	NCS 5700 Fan Tray 1RU Chassis Port-S Intake / Front-to-back	Item	$0.00	108	$ -	$ -	$ -		Cash			RTC
	Rack Mount Kit for Cisco 8200 1RU Chassis	Item	$0.00	18	$ -	$ -	$ -		Cash			RTC
	Power Cord - 2KW DC	Item	$0.00	36	$ -	$ -	$ -		Cash			RTC
	NCS 5700 Software Tracking PID 7.5 K9	Item	$0.00	18	$ -	$ -	$ -		Cash			RTC
	IOS XR 7.5 K9 Tracking PID	Item	$0.00	18	$ -	$ -	$ -		Cash			RTC
	Core & Aggregation Essentials SW Right-to-Use v2.0 100G	Item	$878.29	432	$ 379,421.28	$ 130,497.01	$ 248,924.27		Cash	66%		RTC
	SW SUPPORT NO UPG Core andAggregation Essentials SWRight-t	Item	$372.50	432	$ 160,920.00	$ 55,346.34	$ 105,573.66		Cash	66%		RTC
	2000W 48V DC Power Module with Port-side Air Intake	Item	$0.00	36	$ -	$ -	$ -		Cash			RTC
	Core & Aggr Essentials SIA v2.0 100G 5-10 year term	Item	$882.09	432	$ 381,062.88	$ 131,061.61	$ 250,001.27		Cash	66%		RTC
	Flexible Consumption IOSXR	Item	$0.00	18	$ -	$ -	$ -		Cash			RTC
	100G Digital Coherent Optic RTU - NCS540(LG),5500, 8K and 9K	Item	$829.13	72	$ 59,697.36	$ 20,532.13	$ 39,165.23		Cash	66%		RTC
	NCS 57C3 Base Chassis, Flexible Consumption Need Smart Lic	Item	$23,953.42	28	$ 670,695.76	$ 230,677.07	$ 440,018.69		Cash	66%		RTC
	AR LEVEL 1 NO SW SUP NCS 57C3 Base Chassi	Item	$11,285.00	28	$ 315,980.00	$ 108,677.21	$ 207,302.79		Cash	66%		RTC
	57C3 Base Hardware Tracking PID	Item	$0.00	28	$ -	$ -	$ -		Cash			RTC
	NCS 57C3 Accessory Kit for 3RU Chassis	Item	$0.00	28	$ -	$ -	$ -		Cash			RTC
	NCS 57C3 Route Processor Blank Filler	Item	$0.00	28	$ -	$ -	$ -		Cash			RTC
	NCS 5700 QSFP-DD MPA	Item	$14,904.35	56	$ 834,643.60	$ 287,064.80	$ 547,578.80		Cash	66%		RTC
	AR LEVEL 1 NO SW SUP NCS 5500 - 2X400G or 4X200G QSFP-DD MPA	Item	$6,320.00	56	$ 353,920.00	$ 121,726.17	$ 232,193.83		Cash	66%		RTC
	NCS 5700 Route Processor with SyncE	Item	$5,322.98	28	$ 149,043.44	$ 51,261.55	$ 97,781.89		Cash	66%		RTC
	AR LEVEL 1 NO SW SUP NCS 5700 Route Proc w SyncE	Item	$2,257.50	28	$ 63,210.00	$ 21,740.26	$ 41,469.74		Cash	66%		RTC
	IOS-XR 7.5 tracking license	Item	$0.00	28	$ -	$ -	$ -		Cash			RTC
	IOS XR 7.5 K9 Software Image	Item	$0.00	28	$ -	$ -	$ -		Cash			RTC
	NCS 57C3 DC 1560W Power Supply Port-S Intake / Front-to-back	Item	$0.00	56	$ -	$ -	$ -		Cash			RTC
	C-Series -48VDC PSU Power Cord, 3.5M, 3 Wire, 8AWG, 40A	Item	$0.00	56	$ -	$ -	$ -		Cash			RTC
	Core & Aggregation Essentials SW Right-to-Use v2.0 100G	Item	$878.29	336	$ 295,105.44	$ 101,497.67	$ 193,607.77		Cash	66%		RTC
	SW SUPPORT NO UPG Core andAggregation Essentials SWRight-t	Item	$372.50	336	$ 125,160.00	$ 43,047.15	$ 82,112.85		Cash	66%		RTC
	Core & Aggr Essentials SIA v2.0 100G 5-10 year term	Item	$882.09	336	$ 296,382.24	$ 101,936.81	$ 194,445.43		Cash	66%		RTC
	Flexible Consumption IOSXR	Item	$0.00	28	$ -	$ -	$ -		Cash			RTC
	NCS 5500 1X200G CFP2 and 2X100G QSFP28 MPA	Item	$10,645.97	28	$ 298,087.16	$ 102,523.20	$ 195,563.96		Cash	66%		RTC
	AR LEVEL 1 NO SW SUP NCS 5500 1X200G CFP2 and 2X100G QSFP28	Item	$4,513.75	28	$ 126,385.00	$ 43,468.47	$ 82,916.53		Cash	66%		RTC
	100G Digital Coherent Optic RTU - NCS540(LG),5500, 8K and 9K	Item	$829.13	112	$ 92,862.56	$ 31,938.87	$ 60,923.69		Cash	66%		RTC
	NCS 57C3 Fan Tray (40mm) Chassis Port-S Intake	Item	$0.00	112	$ -	$ -	$ -		Cash			RTC
	NCS 57C3 Fan Tray (60mm) Chassis Port-S Intake	Item	$0.00	56	$ -	$ -	$ -		Cash			RTC
	QSFP-DD transceiver module, coherent DCO, 400G-ZR	Item	$23,657.70	48	$ 1,135,569.60	$ 390,564.37	$ 745,005.23		Cash	66%		RTC
	SNTC-8X5XNBD QSFP-DD transceiver module, coherent DCO	Item	$5,350.00	48	$ 256,800.00	$ 88,323.02	$ 168,476.98		Cash	66%		RTC
	400G Passive Cable, 1m	Item	$269.11	25	$ 6,727.75	$ 2,313.92	$ 4,413.83		Cash	66%		RTC
	100GBASE-CR4 Passive Copper Cable, 1m	Item	$97.01	44	$ 4,268.44	$ 1,468.07	$ 2,800.37		Cash	66%		RTC
	SFP FE/OC3/STM1 OSC for RAMAN application 1518.0nm	Item	$1,009.05	4	$ 4,036.20	$ 1,388.20	$ 2,648.00		Cash	66%		RTC
	SP AR HW 8X5XNBD SFP FE/OC3/STM1 OSC for RAMAN app	Item	$161.25	4	$ 645.00	$ 221.84	$ 423.16		Cash	66%		RTC
	Mechanical Frame - 4 slots - 1 RU	Item	$61.61	4	$ 246.44	$ 84.76	$ 161.68		Cash	66%		RTC
	15454 MSTP - Raman Amplifier - C-band - Counter-Propagating	Item	$21,079.01	4	$ 84,316.04	$ 28,999.40	$ 55,316.64		Cash	66%		RTC
	SP AR HW 8X5XNBD 15454 MSTP - Raman Amplifier - C-band	Item	$3,398.75	4	$ 13,595.00	$ 4,675.82	$ 8,919.18		Cash	66%		RTC
	Fiber patchcord - LC to LC - 2m	Item	$30.05	52	$ 1,562.60	$ 537.44	$ 1,025.16		Cash	66%		RTC
	Double LC-LC Adapter MF Unit	Item	$1,462.05	4	$ 5,848.20	$ 2,011.41	$ 3,836.79		Cash	66%		RTC
	EDFA amplifier 17 dB max gain, 50 GHz compatible	Item	$6,873.80	48	$ 329,942.40	$ 113,479.39	$ 216,463.01		Cash	66%		RTC

	SP AR HW 8X5XNBD 15454 MSTP - Optical Amplifier - C-band	Item	$1,108.31	48	$ 53,198.88	$ 18,297.06	$ 34,901.82		Cash	66%		RTC
	SCSI Alarm cable 24AWG 8 inputs	Item	$31.02	7	$ 217.14	$ 74.68	$ 142.46		Cash	66%		RTC
	NCS 2006 40A DC Power Filter	Item	$38.71	14	$ 541.94	$ 186.39	$ 355.55		Cash	66%		RTC
	NCS 2006 External Connections Unit - w/2x USB 3.0 Ports	Item	$49.68	7	$ 347.76	$ 119.61	$ 228.15		Cash	66%		RTC
	NCS 2006 Fan Tray	Item	$49.68	7	$ 347.76	$ 119.61	$ 228.15		Cash	66%		RTC
	NCS 2006 LCD Display with Backup Memory	Item	$19.87	7	$ 139.09	$ 47.84	$ 91.25		Cash	66%		RTC
	NCS 2006 Shelf Assembly	Item	$198.72	7	$ 1,391.04	$ 478.43	$ 912.61		Cash	66%		RTC
	SP AR HW 8X5XNBD NCS 2006 Shelf Assembly	Item	$38.75	7	$ 271.25	$ 93.29	$ 177.96		Cash	66%		RTC
	NCS 2000 Transport Node Controller, version 2	Item	$1,647.24	14	$ 23,061.36	$ 7,931.65	$ 15,129.71		Cash	66%		RTC
	SP AR HW 8X5XNBD NCS 2000 Transport N	Item	$326.25	14	$ 4,567.50	$ 1,570.93	$ 2,996.57		Cash	66%		RTC
	NCS 2K/MSTP - R11.1.2 SW, TNCE, TSCE, TNCS/O/2 - WSON CP	Item	$0.00	14	$ -	$ -	$ -		Cash			RTC
	Empty slot Filler Panel	Item	$70.15	26	$ 1,823.90	$ 627.31	$ 1,196.59		Cash	66%		RTC
Total Equipment												
11. Miscellaneous												
Total Miscellaneous												
12. SUBTOTAL												
13. Contingencies												
Total Contingencies												
14. SUBTOTAL												
15. Project (program) income												
Total Project (program) income												
16. PROJECT TOTAL					**$ 43,801,276.61**	**$ 19,710,574.47**	**$ 24,090,702.14**	**$0**	Cash	55%	**$0**	Cash is funded by applicants cash account.