

GOVERNMENT OF THE DISTRICT OF COLUMBIA
TASK ORDER/DELIVERY ORDER FOR SERVICES
OFFEROR TO COMPLETE BLOCKS 18 & 29

2. TASK ORDER AGREEMENT NO. 3. Award Effective Date

CW49793

See 30C, below

CW30750

RQ946799

Doc 300977

1 of 11

4. ORDERING OFFICE
DATE

1/27/2017

5. ORDERING OFFICE
DATE

1/31/2017

7. FOR ORDERING INFORMATION
CONTACT: CONTACT FACTORY
Email: Alisha.wright@dc.gov

A. NAME

Alisha Wright

B. CALL NUMBER

(202) 738-7264

9. ISSUED BY

Office of Contracting and Procurement
Information Technology Division
441 4th Street N.W., Suite 700 South
Washington, D.C. 20001

10. THIS ACQUISITION IS

- ☐ UNRESTRICTED
☐ SET ASIDE
☐ SMALL BUSINESS
☐ SMALL BUSINESS
☐ COTC Order
☒ Cooperative Agreement

11. DELIVERY FOR FOR
DEFINITION UNLESS
BLOCK IS MARKED
☐ N/A

☐ 12. RESERVED

14. METHOD OF ACQUISITION

☒ RFQ ☐ RFQ ☐ IFB ☐ IFB ☐ 4-STEP

12. PAYMENT DISCOUNT
TERMS

Net 30 days

13. CONTRACTOR / OFFEROR

N2grate Government Services Solutions, LLC
1345 S. Capitol Street, S.W., #105
Washington, DC 20003

POC: Dave Inman

Telephone: (703) 626-6230

Email: dave.inman@n2grate.com

15A DUNS NO. 15B TAX ID NO.

17. DELIVER TO

OCTO/DC-NET

Attn: Joe Blandford

2900 V Street, N.E.

Washington, DC 20018

Telephone: (202) 713-3810

Office of the Chief Technology Officer
Accounts Payable
200 I Street, S.E.
Washington, DC 20003
Telephone: (202) 727-2277

18. ADMINISTERED BY

Office of the Chief Technology Officer
DC-NET
200 I Street, S.E.
Washington, DC 20003

18A. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

☐

18B. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 16 UNLESS BLOCK
BELOW IS CHECKED
☐ SEE ADDENDUM

| 19. ITEM NO. | 20. SCOPE OF DELIVERABLES SERVICES |
|--------------|--|
| 0001 | CISCO Routers and Switches for DC Public Schools Winter Renovation See Attachment B |

| 21. QUANTITY | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
|--------------|----------|----------------|----------------|
| 1 | Lot | | \$1,193,206.46 |

25. ACCOUNTING AND APPROPRIATION DATA

PURCHASE ORDER NO.

26. TOTAL AWARD (including taxes)

\$1,193,206.46

27. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN ONE COPY TO THE ORDERING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL PAGES SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN. THIS ORDER IS ISSUED SUBJECT TO THE TERMS AND CONDITIONS OF THE DISTRICT OF COLUMBIA CONTRACTING OFFICE.

29A. SIGNATURE OF OFFEROR / CONTRACTOR

Dave Inman

29B. NAME AND TITLE OF SIGNER (SEE BLOCK 29A)

Dave Inman, President 2/1/17

29C. DATE SIGNED

28. THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE INTO THIS TASK ORDER IN THE FOLLOWING PRIORITY:
THIS TASK ORDER IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT BLENDED IN DC-NET

30A. DISTRICT OF COLUMBIA AUTHORITY OF CONTRACTING OFFICER

Chris Yi

30B. NAME OF CONTRACTING OFFICER (SEE BLOCK 30A)

Chris Yi
Contracting Officer

30C. DATE SIGNED

2-6-17

1. SERVICES REQUIRED

The Office of Contracting and Procurement, on behalf of the Office of the Chief Technology Officer (OCTO) (District) DC-Net, is awarding to N2grate Government Services Solutions, LLC [REDACTED] a contract to provide Cisco provide Cisco Routers and Switches for the District of Columbia Public Schools (DCPS) winter renovation work.

2. PRICE SCHEDULE

The District of Columbia awards a firm-fixed-price contract to N2grate Government Services Solutions, LLC against Western States Contracting Alliance (WSCA) Master Agreement No: AR233.

See Attachment B

3. TERM OF CONTRACT

The term of the contract shall be from the date of award specified on the cover page of this contract through September 30, 2017.

4. OPTION TO EXTEND THE TERM OF THE CONTRACT

Not Applicable

5. CONTRACTING OFFICER (CO)

Contracts may be entered into and signed on behalf of the District Government only by Contracting Officers.

The name, address and telephone number of the Contracting Officer for this task order is:

Chris Yi
Contracting Officer
Office of Contracting and Procurement
200 I Street, SE
Washington, DC 20003
Office: 202-724-5069
E-mail: chris.yi@dc.gov

5.1 AUTHORIZED CHANGES BY THE CONTRACTING OFFICER

5.1.1 The CO is the only person authorized to approve changes in any of the requirements of this contract.

5.1.2 The Contractor shall not comply with any order, directive or request that changes or modifies the requirements of this contract, unless issued in writing and signed by the CO.

- 5.1.3 In the event the Contractor effects any change at the instruction or request of any person other than the CO, the change will be considered to have been made without authority and no adjustment will be made in the contract price to cover any cost increase incurred as a result thereof.

6. CONTRACTS ADMINISTRATOR (CA)

- 6.1 The CA is responsible for the technical administration of the contract and advising the Contracting Officer as to the Contractor's compliance or noncompliance with the contract. In addition, the CA is responsible for the day-to-day monitoring and supervision of the contract, of ensuring that the work conforms to the requirements of this contract and such other responsibilities and authorities as may be specified in writing by the Contracting Officer. The CA for this task order is:

Anil Sharma
Office of the Chief Technology Officer
200 I Street, SE
Washington, DC 20003
E-mail: anil.sharma@dc.gov

- 6.2 It is understood and agreed that the CA shall not have the authority to make changes in the specifications/scope of work or terms and conditions of the contract.
- 6.3 Contractor shall be held fully responsible for any changes not authorized in advance, in writing, by the Contracting Officer, may be denied compensation or other relief for any additional work performed that is not so authorized, and may also be required, at no additional cost to the District, to take all corrective action necessitated by reason of the unauthorized changes.

7. ORDERING

- 7.1 Any supplies and services to be furnished under the contract shall be ordered by issuance of delivery order or task order by the Contracting Officer specified in Section 5 above. Such orders may be issued monthly, quarterly, or annually as services are required during the term of the contract.
- 7.2 All delivery orders are subject to the terms and conditions of this contract. In the event of a conflict between a delivery order and the contract, the contract shall control.
- 7.3 If mailed, a delivery order is considered "issued" when the District deposits the order in the mail. Orders may be issued by facsimile or by electronic commerce methods.

8. COMPENSATION AND PAYMENT

- 8.1 The District will make payments to the Contractor, upon the submission of proper invoices, at the prices stipulated in this contract, for supplies delivered and accepted or services performed and accepted, less any discounts, allowances or adjustments provided for in this contract.

- 8.2 The District will pay the Contractor on or before the 30th day after receiving a proper invoice from the Contractor.
- 8.3 The District follows a specific policy for services related to software/hardware (SW/HW) maintenance/licenses and support services. These services must be provided and billed within the District's fiscal year (October 1 to September 30). Invoices should only cover one fiscal year and the District cannot be held liable for any such services not billed and paid with in the same fiscal year (October 1 to September 30). The District issues separate payment for each fiscal year for accounting and budgetary reasons.
- 8.4 By accepting this contract, for SW/HW maintenance/licenses and support services, you agree that a proper invoice constitutes a service period that covers ONLY October 1 through September 30.

9. INVOICE SUBMITTAL

- a) The Contractor shall submit proper invoices on a monthly basis or as otherwise specified in this task order. Invoices shall be prepared in duplicate and submitted to the Office of the Chief Technology Officer with a concurrent copy to the Contracts Administrator (CA) specified in Section 6 above.

The address of the Office of the Chief Technology Officer is:

Office of the Chief Technology Officer
Accounts Payable
200 I Street, S.E.; Room 5410-D
Washington, DC 20003

- b) To constitute a proper invoice, the Contractor shall submit the following information:
- i. Contractor's name and invoice date (Contractors are encouraged to date invoices as close to the date of mailing or transmittal as possible.);
 - ii. Task Order Agreement Number and Purchase Order Number. Assignment of an invoice number by the contractor is also recommended;
 - iii. Description, price, quantity, and dates of work actually performed;
 - iv. Other supporting documentation or information, as required by the Contracting Officer;
 - v. Name, title, telephone number and complete mailing address of the responsible official to whom payment is to be sent;
 - vi. Name, title, phone number of person preparing the invoice;
 - vii. Authorized signature.

10. INCORPORATED DOCUMENTS

The Contractor shall perform under this task order pursuant to the terms of the following documents that are hereby incorporated by reference and made a part of this contract, which in the event of a conflict shall be resolved by giving precedence in the order of priority listed below:

- (1) This Task Order
- (2) Attachment A – Specifications/Work Statement
- (3) Attachment B – Price Schedule

The following list of attachments is incorporated into the task order by reference:

- (4) The Western States Contracting Alliance (WSCA) Master Agreement No. AR233

ATTACHMENT A - SPECIFICATIONS/WORK STATEMENT

A.1 SCOPE

The Office of the Chief Technology Officer (OCTO), DC-Net, seeks a vendor to provide Cisco routers and switches for the District of Columbia Public Schools (DCPS) winter renovation work.

A.2 APPLICABLE DOCUMENTS

Not Applicable

A.3 DEFINITIONS

Not Applicable

A.4 BACKGROUND

DC-Net is the provider of voice and data services for the District of Columbia and has been requested to upgrade voice and data services 16 of the District's public schools. The Cisco routers and switches listed below are needed to support the network/service upgrades being undertaken for the 16 schools this winter.

A.5 REQUIREMENTS

- A.5.1** The Contractor shall transfer ownership of hardware to the Office of the Chief Technology Officer within 30 days after PO is issued. This will ensure OCTO's ability to obtain support from the manufacturer.
- A.5.2** The District of Columbia shall be provided with the most current models, components and accessories in new, fully operational, factory sealed condition, with all applicable licenses.
- A.5.3** The Contractor shall warrant and represent that the equipment is eligible for the manufacturer's normal [and extended] warranty and support within the United States to Authorized Users. Previously owned, damaged, refurbished, remanufactured, counterfeit, "gray market" or substitute third party items will not be accepted.
- A.5.4** The Contractor shall also provide evidence of its authorized reseller agreement or certification and that it is not purchasing from other manufacturers or stocking distributors with its proposal.

A.5.5 The Contractor shall deliver all requested items FOB destination to:

OCTO/DC-NET
Attn: Joe Blandford
2900 V Street, N.E.
Washington, DC 20018
Telephone: (202) 715-3810

A.5.6 The contractor shall provide all of the following items:

| LINE | QTY | Part Number | Description |
|------|-----|------------------|---|
| 1 | 29 | WX-C3850-12XS-S | Cisco Catalyst 3850 12-port 10G Fiber Switch IP Base |
| 2 | 29 | S3850UK9-37E | Cisco CAT3850 Universal k9 image |
| 3 | 29 | PWR-C1-440WDC | Cisco 440W DC Config 1 Power Supply |
| 4 | 29 | PWR-C1-440WDC/2 | Cisco 440W DC Config 1 secondary Power Supply |
| 5 | 29 | STACK-T1-50CM | Cisco 50CM Type 1 Stacking Cable |
| 6 | 29 | CAB-SPWR-30CM | Cisco Catalyst 3750X and 3850 Stack Power Cable 30 CM |
| 7 | 29 | C3850-NM-BLANK | Cisco Catalyst 3850 Network Module Blank |
| 8 | 116 | GLC-LH-SMD | Cisco 1000BASE-LX/LH SFP transceiver module MMF/SMF 1310 nm DOM |
| 9 | 65 | GLC-T= | Cisco 1000BASE-T SFP |
| 10 | 6 | ISR4451-X/K9 | Cisco ISR 4451 (4GE,3NIM,2SM,8G FLASH,4G DRAM) |
| 11 | 6 | CAB-ADSL-RJ11 | Cisco Lavender Cable for xDSL, Straight-through, RJ-11, 6 feet |
| 12 | 6 | SL-44-IPB-K9 | Cisco IP Base License for Cisco ISR4400 Series |
| 13 | 6 | SL-44-APP-K9 | Cisco AppX License for Cisco ISR 4400 Series |
| 14 | 6 | SL-44-UC-K9 | Cisco Unified Communication License for Cisco ISR 4400 Series |
| 15 | 6 | PVDM4-128 | Cisco 128-channel DSP module |
| 16 | 6 | PWR-4450-DC | Cisco DC Power Supply for Cisco ISR 4450 an 4350 |
| 17 | 12 | POE-COVER-4450 | Cisco Cover for empty POE slot on Cisco ISR 4450 |
| 18 | 6 | MEM-4400-4G | Cisco 4G DRAM (2G+2G) for Cisco ISR 4400 |
| 19 | 6 | ISRWAAS-RTU-2500 | Cisco ISRWAAS RTU for 2500 connections |
| 20 | 6 | PWR-COVER-4450 | Cisco Cover for empty 2nd Power Supply slot on Cisco ISR 4450 |
| 21 | 12 | NIM-BLANK | Cisco Blank faceplate for NIM slot on Cisco ISR 4400 |
| 22 | 6 | MEM-FLASH-8G | Cisco 8G Compact Flash Memory for Cisco ISR 4450 |
| 23 | 12 | SM-S-BLANK | Cisco Removable faceplate for SM slot on Cisco 2900, 3900, 4400 ISR |
| 24 | 6 | MEM-4400-DP-2G | Cisco 2G DRAM (1 DIMM) for Cisco ISR 4400 Data Plane |
| 25 | 6 | WAAS-RTU-2500 | Cisco WAAS and VWASS Right to Use for 2500 connections |
| 26 | 6 | CON-ECMU-WS2500 | Cisco SWSS UPGRADES WAAS and VWAAS Right to Use |
| 27 | 6 | SISR4400UK9-316S | Cisco ISR 4400 Series IOS XE Universal |
| 28 | 6 | FL-SRST | Cisco Survivable Remote Site Telephony License |
| 29 | 6 | FL-CME-SRST-25 | Cisco Communication Manager Express or SRST - 25 seat license |
| 30 | 6 | NIM-4FXO | Cisco 4-port Network Interface Module - FXO (Universal) |
| 31 | 6 | PWR-4450-DC= | Cisco DC Power Supply for Cisco ISR 4450 an 4350, Spare |
| 32 | 22 | WS-C3850-48F-S | Cisco Catalyst 3850 48 Port Full PoE IP Base |
| 33 | 22 | C3850-NM-4-1G | Cisco Catalyst 3850 4 x 1GE Network Module |
| 34 | 22 | S3850UK9-36E | Cisco CAT3850 Universal k9 image |
| 35 | 22 | STACK-T1-50CM | Cisco 50CM Type 1 Stacking Cable |
| 36 | 22 | CAB-TA-NA | Cisco North America AC Type A Power Cable |
| 37 | 22 | CAB-SPWR-30CM | Cisco Catalyst 3750X Stack Power Cable 30 CM |
| 38 | 22 | PWR-C1-BLANK | Cisco Config 1 Power Supply Blank |
| 39 | 22 | PWR-C1-1100WAC | Cisco 1100W AC Config 1 Power Supply |
| 40 | 22 | GLC-SX-MMD= | Cisco 1000BASE-SX SFP transceiver module MMF 850nm DOM |

| LINE | QTY | Part Number | Description |
|------|-----|--------------------|---|
| 41 | 6 | WS-C4510R+E | Cisco Catalyst 4500E 10 slot chassis for 48Gbps/slot fan no ps |
| 42 | 6 | WS-X45-SUP8-E/2 | Cisco Catalyst 4500 E-Series Redundant Supervisor 8-E |
| 43 | 6 | WS-X45-SUP8-E | Cisco Catalyst 4500 E-Series Supervisor 8-E |
| 44 | 30 | WX-X4748-UPOE+E | Cisco Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) |
| 45 | 6 | S8EUK9-33-1511XO | Cisco CAT4500e SUP8e Universal Crypto Image |
| 46 | 6 | PWR-C45-1400DC-P | Cisco Catalyst 4500 1400W DC Power Supply w/Int PEM |
| 47 | 6 | PWR-C45-1400DC-P/2 | Cisco Catalyst 4500 1400W DC Power Supply Redundant w/Int PEM |
| 48 | 6 | C4500E-IPB | Cisco Paper IP Base License |
| 49 | 18 | C4K-SLOT-CVR-E | Cisco Catalyst 4500 E-Series Family Slot Cover |
| 50 | 4 | WS-C4507R+E | Cisco Catalyst 4500E 7 slot chassis for 48Gbps/slot fan no ps |
| 51 | 4 | WS-X45-SUP8-E/2 | Cisco Catalyst 4500 E-Series Redundant Supervisor 8-E |
| 52 | 4 | WS-X45-SUP8-E | Cisco Catalyst 4500 E-Series Supervisor 8-E |
| 53 | 12 | WX-X4748-UPOE+E | Cisco Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) |
| 54 | 4 | S8EUK9-33-1511XO | Cisco CAT4500e SUP8e Universal Crypto Image |
| 55 | 4 | PWR-C45-1400DC-P | Cisco Catalyst 4500 1400W DC Power Supply w/Int PEM |
| 56 | 4 | PWR-C45-1400DC-P/2 | Cisco Catalyst 4500 1400W DC Power Supply Redundant w/Int PEM |
| 57 | 4 | C4500E-IPB | Cisco Paper IP Base License |
| 58 | 18 | C4K-SLOT-CVR-E | Cisco Catalyst 4500 E-Series Family Slot Cover |
| 59 | 7 | WX-4712-SFP+E= | Cisco Catalyst 4500 E-Series 12-Port GE (SFP) |
| 60 | 15 | WX-X4748-UPOE+E= | Cisco Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) |
| 61 | 1 | WS-X45-SUP8-E= | Cisco Catalyst 4500 E-Series Supervisor 8-E |
| 62 | 1 | C4500E-IPB-S | Cisco Catalyst 4500E IPB license for Spare Supervisor |
| 63 | 1 | C4500E-LIC-PAK | Cisco PAK license SKU for spare sup configuration |
| 64 | 50 | SFP-10G-SR= | Cisco 10GBASE-SR SFP Module |
| 65 | 40 | GLC-SX-MMD= | Cisco 1000BASE-SX SFP transceiver module MMF 850nm DOM |
| 66 | 10 | GLC-LH-SMD= | Cisco 1000BASE-LX/LH SFP transceiver module MMF/SMF 1310 nm DOM |

ATTACHMENT B

B.1 The District of Columbia Office of Contracting and Procurement, on behalf of the Office of the Chief Technology Officer (OCTO) (District) DC-Net is seeking a contractor to provide Cisco Routers and Switches for the District of Columbia Public Schools (DCPS) winter renovation work.

B.2 The District contemplates award of a firm-fixed-price contract in accordance with 27 DCMR Chapter 24.

B.3 AGGREGATE GROUP OR INDIVIDUAL ITEM

Award, if made, will be to a single bidder in the aggregate for those groups of items indicated by "Aggregate Award Group" herein. Bidder must quote unit prices on each item within each group to receive consideration. Award, if made, on all other items will be on an individual item basis.

B.4 PRICE SCHEDULE – FIRM FIXED PRICE

B.4.1 BASE PERIOD

| Item No. | Part Number | Description | Quantity | Unit Cost | Extended Cost |
|----------|-----------------|---|----------|-------------|---------------|
| 0001 | WX-C3850-12XS-S | Cisco Catalyst 3850 12-port 10G Fiber Switch IP Base | 29 | \$ 6,716.25 | \$ 194,771.25 |
| 0002 | S3850UK9-37E | Cisco CAT3850 Universal k9 image | 29 | \$ 00.00 | \$ 00.00 |
| 0003 | PWR-C1-440WDC | Cisco 440W DC Config 1 Power Supply | 29 | \$ 248.75 | \$ 7,213.75 |
| 0004 | PWR-C1-440WDC/2 | Cisco 440W DC Config 1 secondary Power Supply | 29 | \$ 323.38 | \$ 9,378.02 |
| 0005 | STACK-T1-50CM | Cisco 50CM Type 1 Stacking Cable | 29 | \$ 00.00 | \$ 00.00 |
| 0006 | CAB-SPWR-30CM | Cisco Catalyst 3750X and 3850 Stack Power Cable 30 CM | 29 | \$ 00.00 | \$ 00.00 |
| 0007 | C3850-NM-BLANK | Cisco Catalyst 3850 Network Module Blank | 29 | \$ 00.00 | \$ 00.00 |
| 0008 | GLC-LH-SMD | Cisco 1000BASE-LX/LH SFP transceiver module MMF/SMF 1310 nm DOM | 116 | \$ 495.01 | \$ 57,421.16 |
| 0009 | GLC-T= | Cisco 1000BASE-T SFP | 65 | \$ 196.51 | \$ 12,773.15 |
| 0010 | ISR4451-X/K9 | Cisco ISR 4451 (4GE,3NIM,2SM,8G FLASH,4G DRAM) | 6 | \$ 8,955.00 | \$ 53,730.00 |
| 0011 | CAB-ADSL-RJ11 | Cisco Lavender Cable for xDSL, Straight-through, RJ-11, 6 feet | 6 | \$ 00.00 | \$ 00.00 |
| 0012 | SL-44-IPB-K9 | Cisco IP Base License for Cisco ISR4400 Series | 6 | \$ 00.00 | \$ 00.00 |
| 0013 | SL-44-APP-K9 | Cisco AppX License for Cisco ISR 4400 Series | 6 | \$ 1,791.00 | \$ 10,746.00 |
| 0014 | SL-44-UC-K9 | Cisco Unified Communication License for Cisco ISR 4400 Series | 6 | \$ 995.00 | \$ 5,970.00 |
| 0015 | PVDM4-128 | Cisco 128-channel DSP module | 6 | \$ 3,383.00 | \$ 20,298.00 |

| | | | | | |
|------|------------------|---|----|-------------|---------------|
| 0016 | PWR-4450-DC | Cisco DC Power Supply for Cisco ISR 4450 an 4350 | 6 | \$ 398.00 | \$ 2,388.00 |
| 0017 | POE-COVER-4450 | Cisco Cover for empty POE slot on Cisco ISR 4450 | 12 | \$ 00.00 | \$ 00.00 |
| 0018 | MEM-4400-4G | Cisco 4G DRAM (2G+2G) for Cisco ISR 4400 | 6 | \$ 00.00 | \$ 00.00 |
| 0019 | ISRWAAS-RTU-2500 | Cisco ISRWAAS RTU for 2500 connections | 6 | \$ 00.00 | \$ 00.00 |
| 0020 | PWR-COVER-4450 | Cisco Cover for empty 2nd Power Supply slot on Cisco ISR 4450 | 6 | \$ 00.00 | \$ 00.00 |
| 0021 | NIM-BLANK | Cisco Blank faceplate for NIM slot on Cisco ISR 4400 | 12 | \$ 00.00 | \$ 00.00 |
| 0022 | MEM-FLASH-8G | Cisco 8G Compact Flash Memory for Cisco ISR 4450 | 6 | \$ 00.00 | \$ 00.00 |
| 0023 | SM-S-BLANK | Cisco Removable faceplate for SM slot on Cisco 2900, 3900, 4400 ISR | 12 | \$ 00.00 | \$ 00.00 |
| 0024 | MEM-4400-DP-2G | Cisco 2G DRAM (1 DIMM) for Cisco ISR 4400 Data Plane | 6 | \$ 00.00 | \$ 00.00 |
| 0025 | WAAS-RTU-2500 | Cisco WAAS and VWASS Right to Use for 2500 connections | 6 | \$ 00.00 | \$ 00.00 |
| 0026 | CON-ECMU-WS2500 | Cisco SWSS UPGRADES WAAS and VWAAS Right to Use | 6 | \$ 00.00 | \$ 00.00 |
| 0027 | SISR4400UK9-316S | Cisco ISR 4400 Series IOS XE Universal | 6 | \$ 00.00 | \$ 00.00 |
| 0028 | FL-SRST | Cisco Survivable Remote Site Telephony License | 6 | \$ 00.00 | \$ 00.00 |
| 0029 | FL-CME-SRST-25 | Cisco Communication Manager Express or SRST - 25 seat license | 6 | \$ 323.38 | \$ 1,940.28 |
| 0030 | NIM-4FXO | Cisco 4-port Network Interface Module - FXO (Universal) | 6 | \$ 497.50 | \$ 2,985.00 |
| 0031 | PWR-4450-DC= | Cisco DC Power Supply for Cisco ISR 4450 an 4350, Spare | 6 | \$ 497.50 | \$ 2,985.00 |
| 0032 | WS-C3850-48F-S | Cisco Catalyst 3850 48 Port Full PoE IP Base | 22 | \$ 6,405.00 | \$ 140,910.00 |
| 0033 | C3850-NM-4-1G | Cisco Catalyst 3850 4 x 1GE Network Module | 22 | \$ 248.75 | \$ 5,472.50 |
| 0034 | S3850UK9-36E | Cisco CAT3850 Universal k9 image | 22 | \$ 00.00 | \$ 00.00 |
| 0035 | STACK-T1-50CM | Cisco 50CM Type 1 Stacking Cable | 22 | \$ 00.00 | \$ 00.00 |
| 0036 | CAB-TA-NA | Cisco North America AC Type A Power Cable | 22 | \$ 00.00 | \$ 00.00 |
| 0037 | CAB-SPWR-30CM | Cisco Catalyst 3750X Stack Power Cable 30 CM | 22 | \$ 00.00 | \$ 00.00 |
| 0038 | PWR-C1-BLANK | Cisco Config 1 Power Supply Blank | 22 | \$ 00.00 | \$ 00.00 |
| 0039 | PWR-C1-1100WAC | Cisco 1100W AC Config 1 Power Supply | 22 | \$ 00.00 | \$ 00.00 |
| 0040 | GLC-SX-MMD= | Cisco 1000BASE-SX SFP transceiver module MMF 850nm DOM | 22 | \$ 248.75 | \$ 5,472.50 |
| 0041 | WS-C4510R+E | Cisco Catalyst 4500E 10 slot chassis for 48Gbps/slot fan no ps | 6 | \$ 4,972.51 | \$ 29,835.06 |
| 0042 | WS-X45-SUP8-E/2 | Cisco Catalyst 4500 E-Series Redundant Supervisor 8-E | 6 | \$ 9,947.51 | \$ 59,685.06 |

| | | | | | |
|--|--------------------|---|----|--------------|------------------------|
| 0043 | WS-X45-SUP8-E | Cisco Catalyst 4500 E-Series Supervisor 8-E | 6 | \$ 9947.51 | \$ 59,685.06 |
| 0044 | WX-X4748-UPOE+E | Cisco Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 30 | \$ 4,475.01 | \$ 134,250.30 |
| 0045 | S8EUK9-33-1511XO | Cisco CAT4500e SUP8e Universal Crypto Image | 6 | \$ 00.00 | \$ 00.00 |
| 0046 | PWR-C45-1400DC-P | Cisco Catalyst 4500 1400W DC Power Supply w/Int PEM | 6 | \$ 868.14 | \$ 5,208.84 |
| 0047 | PWR-C45-1400DC-P/2 | Cisco Catalyst 4500 1400W DC Power Supply Redundant w/Int PEM | 6 | \$ 868.14 | \$ 5,208.84 |
| 0048 | C4500E-IPB | Cisco Paper IP Base License | 6 | \$ 00.00 | \$ 00.00 |
| 0049 | C4K-SLOT-CVR-E | Cisco Catalyst 4500 E-Series Family Slot Cover | 18 | \$ 00.00 | \$ 00.00 |
| 0050 | WS-C4507R+E | Cisco Catalyst 4500E 7 slot chassis for 48Gbps/slot fan no ps | 4 | \$ 3,480.01 | \$ 13,920.04 |
| 0051 | WS-X45-SUP8-E/2 | Cisco Catalyst 4500 E-Series Redundant Supervisor 8-E | 4 | \$ 9,947.51 | \$ 39,790.04 |
| 0052 | WS-X45-SUP8-E | Cisco Catalyst 4500 E-Series Supervisor 8-E | 4 | \$ 9,947.51 | \$ 39,790.04 |
| 0053 | WX-X4748-UPOE+E | Cisco Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 12 | \$ 4,475.01 | \$ 53,700.12 |
| 0054 | S8EUK9-33-1511XO | Cisco CAT4500e SUP8e Universal Crypto Image | 4 | \$ 00.00 | \$ 00.00 |
| 0055 | PWR-C45-1400DC-P | Cisco Catalyst 4500 1400W DC Power Supply w/Int PEM | 4 | \$ 868.14 | \$ 3,472.56 |
| 0056 | PWR-C45-1400DC-P/2 | Cisco Catalyst 4500 1400W DC Power Supply Redundant w/Int PEM | 4 | \$ 868.14 | \$ 3,472.56 |
| 0057 | C4500E-IPB | Cisco Paper IP Base License | 4 | \$ 00.00 | \$ 00.00 |
| 0058 | C4K-SLOT-CVR-E | Cisco Catalyst 4500 E-Series Family Slot Cover | 18 | \$ 00.00 | \$ 00.00 |
| 0059 | WX-4712-SFP+E= | Cisco Catalyst 4500 E-Series 12-Port GE (SFP) | 7 | \$ 13,430.01 | \$ 94,010.07 |
| 0060 | WX-X4748-UPOE+E= | Cisco Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45) | 15 | \$ 4,475.01 | \$ 67,125.15 |
| 0061 | WS-X45-SUP8-E= | Cisco Catalyst 4500 E-Series Supervisor 8-E | 1 | \$ 9,947.51 | \$ 9,947.51 |
| 0062 | C4500E-IPB-S | Cisco Catalyst 4500E IPB license for Spare Supervisor | 1 | \$ 00.00 | \$ 00.00 |
| 0063 | C4500E-LIC-PAK | Cisco PAK license SKU for spare sup configuration | 1 | \$ 00.00 | \$ 00.00 |
| 0064 | SFP-10G-SR= | Cisco 10GBASE-SR SFP Module | 50 | \$ 495.01 | \$ 24,750.50 |
| 0065 | GLC-SX-MMD= | Cisco 1000BASE-SX SFP transceiver module MMF 850nm DOM | 40 | \$ 248.75 | \$ 9,950.00 |
| 0066 | GLC-LH-SMD= | Cisco 1000BASE-LX/LH SFP transceiver module MMF/SMF 1310 nm DOM | 10 | \$ 495.01 | \$ 4,950.10 |
| Grand Total for 4.1 Base Period | | | | | \$ 1,193,206.46 |