



GUAM POWER AUTHORITY

ATURIDÁT ILEKTRISEDÁT GUAHAN
P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

May 30, 2018

AMENDMENT NO.: VI

TO

INVITATION FOR BID NO.: GPA-058-18

FOR

SCADA AND NETWORK INFRASTRUCTURE UPGRADE

Prospective Bidders are hereby notified of the following changes:

CHANGES:

1. Bid Opening Date is changed **FROM** 2:00 P.M., Wednesday, May 30, 2018 **TO NOW READ** 2:00 P.M., Wednesday, June 06, 2018.
2. **REMOVE** Page 3 of 24 and **REPLACE** with Page 3a of 24 (see attached):

LINE ITEM 1.0, SCADA SECONDARY NETWORK EQUIPMENT, under SECTION B.
SERVER ACCESS SWITCH (3650 SERIES)-QTY-1 and SECTION D. DMZ SWITCHES (3650 SERIES)-QTY-1:

ADD:
B.10 Shall be stackable and include any required stacking module.
D.10 Shall be stackable and include any required stacking module.
3. **REMOVE** Page 7 of 24 and **REPLACE** with Page 7a of 24 (see attached):

LINE ITEM 4.0, OPERATION TECHNOLOGY REVISIONS/UPGRADES, under SECTION A.
SUBSTATION SWITCHES (2960 SERIES)-QTY-4:

ADD:
A.10 Shall be stackable and include any required stacking module.

4. **REMOVE** Page 8a of 24 and **REPLACE** with Page 8b of 24 (see attached):

LINE ITEM 5.0, TRANSMISSION AND DISTRIBUTION CORE SWITCH, under SECTION A.
CORE SWITCH (3850 SERIES)-QTY-2:

ADD:

A.9 Shall be stackable and include any required stacking module.

All other Terms and Conditions in the bid package shall remain unchanged and in full force.


JOHN M. BENAVENTE, P.E.
General Manager

NO.	DESCRIPTION	U/I	U/P	T/P
1.0	SCADA SECONDARY NETWORK EQUIPMENT	LOT	\$	\$
COMPLY / NON-COMPLIANCE				
A.	Core Switch (3850 Series) - QTY-1			
A.1	Minimum 12 port 1G/10G SFP/SFP+			
A.2	Minimum 350 Watt Power Supply			
A.3	Power Redundancy (1+1)			
A.4	Minimum switching capacity: 320 Gbps			
A.5	Shall support routing protocols-EIGRP, OSPF, BGP, PIM, AND IPv6 routing			
A.6	Shall include IP Services license			
A.7	Shall support Flexible NetFlow			
A.8	Shall be stackable and include any required stacking module			
A.9	Shall support CISCO DNA			
A.10	Shall support MACSEC IEEE8 02.1AE			
A.11	Shall support Software-Defined Access			
B.	Server Access Switch (3650 Series)-QTY-1			
B.1	Minimum 48 port 10/100/1000 Ethernet Ports			
B.2	Minimum 2 port 10GE SFP+ Uplink			
B.3	Minimum of 250 Watt Power Supply			
B.4	Power Redundancy (1+1)			
B.5	Minimum switching capacity: 176 Gbps			
B.6	Shall support Flexible NetFlow			
B.7	Shall support routing protocols-OSPF, PIM, BGP, EIGRP, IS-IS			
B.8	Shall include IP Base license			
B.9	Shall support Secure Group Tagging, Secure Group Access, and MACSEC IEEE8 02.1AE			
**B.10 Shall be stackable and include any required stacking module				
C.	User Access Switch (2960 Series)-QTY-2			
C.1	Minimum of 48 ports (POE)			
C.2	Minimum POE Power of 740W			
C.3	Minimum 2 port 10GE SFP+ Uplink			
C.4	Minimum switching capacity: 216 Gbps			
C.5	Shall support Netflow Lite			
C.6	Shall include LAN Base license			
C.7	Shall be stackable and include any required stacking module			
C.8	Shall support Per-VLAN Rapid Spanning Tree (PVRST+)			
C.9	Shall support link aggregation LACP and PAGP			
D.	DMZ Switches (3650 Series)-QTY-1			
D.1	Minimum 24 port 10/100/1000 Ethernet Ports			
D.2	Minimum 2 port 10GE SFP+ Uplink			
D.3	Minimum of 250 Watt Power Supply			
D.4	Power Redundancy (1+1)			
D.5	Minimum switching capacity: 92 Gbps			
D.6	Shall support Flexible NetFlow			
D.7	Shall support routing protocols-OSPF, PIM, BGP, EIGRP, IS-IS			
D.8	Shall include IP Base license			
D.9	Shall support Secure Group Tagging, Secure Group Access, and MACSEC IEEE8 02.1AE			
**D.10 Shall be stackable and include any required stacking module				
E.	Process Switches (2960 Series)-QTY-1			
E.1	Minimum of 48 ports (POE)			
E.2	Minimum POE power of 740W			
E.3	Minimum 2 port 10GE SFP+ Uplink			
E.4	Minimum switching capacity: 216 Gbps			
E.5	Shall support Netflow Lite			
E.6	Shall include LAN Base license			
E.7	Shall be stackable and include any required stacking module			
E.8	Shall support Per-VLAN Rapid Spanning Tree (PVRST+)			
E.9	Shall support link aggregation LACP and PAGP			
F.	Miscellaneous			
F.1	1.6 ft stacking cable (CISCO 2960 compatible)-QTY-2			
F.2	1.6 ft stacking cable (CISCO 3650 compatible)-QTY-2			
F.3	1.6 ft stacking cable (CISCO 3850 compatible)-QTY-1			
F.4	10GBASE SR (MMF) SFP+ Module (CISCO OEM)-QTY-16			

Specifications Generated By:

Specifications Concurred By:

Specifications Approved By:

Rafael T. Baluyut 5/30/18 2122 5/31/18
RAFAEL T. BALUYUT Date MELVYN K. KWEK Date
Information Security Administrator CITO

John J. Cruz Jr.
JOHN J. CRUZ Jr., P.E. Date
AGMETS

INVITATION FOR BID NO.: GPA-058-18
Requisition No. 31486

NO.	DESCRIPTION	U/I	U/P	T/P
4.0	OPERATION TECHNOLOGY REVISIONS/UPGRADES	LOT	\$	\$

TECHNICAL SPECIFICATIONS:

COMPLY / NON-COMPLIANCE

A. Substation switches (2960 Series)-QTY-4

- A.1 Minimum of 24 ports (POE)
A.2 Minimum 4 port 1GE SFP Uplink
A.3 Minimum POE power of 370W
A.4 Minimum switching capacity: 216 Gbps
A.5 Shall support Netflow Lite
A.6 Shall include LAN Base License
A.7 Shall be stackable
A.8 Shall support Per-VLAN Rapid Spanning Tree (PVRST+)
A.9 Shall support link aggregation LACP and PAGP
**A.10 Shall be stackable and include any required stacking module

B. Maintenance/Service/Support Requirements (1-YR)

- B.1 Tech Support/Phone Consulting-Next Business Day response time; 24x7 Availability.
B.2 Product Info Support-Next Business Day response time; 24x7 Availability.
B.3 Software Updates and Releases; 24x7 Availability.
B.4 Device and Parts replacement-Next Business Day response time; 24x7 Availability.
B.5 ETA of replacement device or parts-No more than two (2) business days from date of report.

C. COMPUTER REQUIREMENTS:

- C.1 ALL items/components shall be brand new.
C.2 Shall include ALL required hardware components for normal operation *Out-of-the-box*.
C.3 ALL items/components shall be fully interoperable and shall not create and/or develop any issues, bugs, and/or problems with existing Cisco Network Infrastructure.
C.4 Shall include ALL required licensing and Software/Application support and maintenance (1-YR) to ensure normal operation when delivered.
C.5 Vendor shall ensure the compatibility of all hardware and software components.
C.6 Vendor is required to be an AUTHORIZED reseller, partner, or distributor.

SUBMISSION OF DOCUMENTS REQUIRED

*** APPROVED EQUAL TO OR BETTER ***

NOTE:

Notwithstanding the fact that this contract was written by one (1) party, it will be construed that it was written by two (2) parties.

DELIVERY REQUIREMENT:
8 Weeks ARO

TO BE COMPLETED BY BIDDER:

MANUFACTURED BY / BRAND NAME: _____

CAT.NO. / MODEL NO.: _____

PLACE OF ORIGIN: _____

EXPORT ABROAD: _____

TIME OF DELIVERY AFTER RECEIPT OF
PURCHASE ORDER: _____

Specifications Generated By:

Rafael T. Baluyut 5/30/18

RAFAEL T. BALUYUT
Information Security Administrator

Date

Specifications Concurred By:

Melvyn K. Kwek 5/31/18

MELVYN K. KWEK
Chief Information Technology Officer

Date

Specifications Approved By:

John J. Cruz, Jr. 5/31/18

JOHN J. CRUZ, JR., P.E.
Assistant General Manager of Engineering
Technical Services

Date

INVITATION FOR BID NO.: GPA-058-18
Requisition No. 31486

NO.	DESCRIPTION	U/I	U/P	T/P
5.0	TRANSMISSION AND DISTRIBUTION CORE SWITCH	LOT	\$	\$
COMPLY / NON-COMPLIANCE				
A.	Core Switch (3850 Series)-QTY-2			
A.1	Minimum 24 port 1G/10G SFP+			
A.2	Minimum of 715 Watt Power Supply			
A.3	Power Redundancy (1+1)			
A.4	Minimum switching capacity: 640 Gbps			
A.5	Shall support Netflow			
A.6	Shall support routing protocols-OSPF, PIM, BGP, EIGRP, IS-IS			
A.7	Shall include IP Services License			
A.8	Shall support Secure Group Tagging, Secure Group Access, and MACSEC IEEE8 02.1AE			
**A.9	Shall be stackable and include any required stacking module			
B.	Miscellaneous			
B.1	10GBASE ER (SMF/40km) SFP+ Module (CISCO OEM)-QTY-8			
C.	Maintenance/Service/Support Requirements (1-YR)			
C.1	Tech Support/Phone Consulting-Next Business Day response time; 24x7 Availability.			
C.2	Product Info Support-Next Business Day response time; 24x7 Availability.			
C.3	Software Updates and Releases; 24x7 Availability.			
C.4	Device and Parts replacement-Next Business Day response time; 24x7 Availability.			
C.5	ETA of replacement device or parts-No more than two (2) business days from date of report.			
D.	COMPUTER REQUIREMENTS:			
D.1	ALL items/components shall be brand new.			
D.2	Shall include ALL required hardware components for normal operation *Out-of-the-box*.			
D.3	ALL items/components shall be fully interoperable and shall not create and/or develop any issues, bugs, and/or problems with existing Cisco Network Infrastructure.			
D.4	Shall include ALL required licensing and Software/Application support and maintenance (1-YR) to ensure normal operation when delivered.			
D.5	Vendor shall ensure the compatibility of all hardware and software components.			
D.6	Vendor is required to be an AUTHORIZED reseller, partner, or distributor.			
SUBMISSION OF DOCUMENTS REQUIRED				

*** APPROVED EQUAL TO OR BETTER ***

NOTE:

Notwithstanding the fact that this contract was written by one (1) party, it will be construed that it was written by two (2) parties.

DELIVERY REQUIREMENT:

8 Weeks ARO

TO BE COMPLETED BY BIDDER:

MANUFACTURED BY / BRAND NAME: _____

CAT.NO. / MODEL NO.: _____

PLACE OF ORIGIN: _____

EXPORT ABROAD: _____

TIME OF DELIVERY AFTER RECEIPT OF PURCHASE ORDER: _____

Specifications Generated By:

 5/30/18
Date
RAFAEL T. BALUYUT
Information Security Administrator

Specifications Concurred By:

 5/31/18
Date
MELVYN K. KWEK
Chief Information Technology Officer

Specifications Approved By:

 5/31/18
Date
JOHN J. CRUZ JR., P.E.
Assistant General Manager of Engineering & Technical Services