



GUAM POWER AUTHORITY

ATURIDÂT ILEKTRESEDÂT GUÅHAN
P.O.BOX 2977 • HAGÂTÑA, GUAM U.S.A. 96932-2977

June 12, 2026

AMENDMENT NO.: III

TO

INVITATION FOR BID NO.: GPA-045-26

FOR

INDUSTRIAL ETHERNET SWITCHES

Prospective Bidders are hereby notified of the following changes and response to Bidder No.1 and Bidder No. 15 inquiries dated 5/26/2026, Bidder No. 13 inquiry dated 5/28/2026 and Bidder No. 5 inquiry dated 5/30/2026:

CHANGES:

1. **REMOVE** Page 4 of 35 and **REPLACE with** Page 4a of 35 (see attached):

Under Invitation for Bid, Description, A. SPECIFICATIONS (Per Switch) – A.6 is changed

FROM:

A.6 – Power Consumption: Maximum of 90W not including PoE consumption

*** TO NOW READ:**

A.6 – Power Consumption: Maximum of 100W not including PoE consumption

RESPONSE:

Bidder No. 15 inquiry dated 5/26/2026:

QUESTION:

1. Please confirm whether all proposed equipment must fully comply with the specifications outlined in this bid. We note that the requirement in A15 does not appear to be supported by the referenced equipment and is not typically a function of an Ethernet switch. This feature is generally handled at the router level.

ANSWER:

Yes, all proposed equipment shall fully comply with the bid specifications. With reference to Item A.15 of the bid specifications, Guam Power Authority reserves the right to purchase licensing for the Layer 2 switch to enable Layer 3 functionality, as needed. GPA does utilize Network Address Translation (NAT) overload functionality for Port Address Translation (PAT) within its network infrastructure.

Bidder No. 1 inquiry dated 5/26/2026:

QUESTION:

1. Relative to A.5, IFB specifies "Alarm Input/Output: four alarm inputs to detect dry contact open or closed, one Form C alarm output relay." Will GPA accept two alarms in and one alarm out to signal external sensors as an acceptable alternative for this requirement?

ANSWER:

Yes, GPA shall accept two alarms in and one alarm out to signal external sensors as an acceptable alternative.

QUESTION:

2. Relative to A.6, IFB specifies "Power Consumption: Maximum of 90W not including PoE consumption." Will GPA accept 100W maximum, not including PoE consumption, as an acceptable alternative for this requirement?

ANSWER:

Refer to **CHANGES** above.

QUESTION:

3. Relative to A.15, IFB requires "Network Address Translation (NAT) Translation..." Please clarify whether the L2 NAT translation functionality is a mandatory operation requirement for the intended deployment, or whether equivalent Layer 2/Layer 3 industrial switching functionality without embedded NAT capability will be deemed acceptable.

ANSWER:

Yes, all proposed equipment shall fully comply with the bid specifications. With reference to Item A.15 of the bid specifications, Guam Power Authority reserves the right to purchase licensing for the Layer 2 switch to enable Layer 3 functionality, as needed. GPA does utilize Network Address Translation (NAT) overload functionality for Port Address Translation (PAT) within its network infrastructure.

QUESTION:

4. Relative to A.17, IFB requires "Media Redundancy (MRP) ring." Please clarify whether GPA will accept Standards Based ITU-T G.8032: Ethernet Ring Protection Switching as an acceptable alternative.

ANSWER:

Yes, GPA shall accept Standards Based ITU-T G.8032: Ethernet Ring Protection Switching as an acceptable alternative.

QUESTION:

5. Relative to A.4, IFB requires "128MB onboard flash memory, 1GB removable SD flash memory..." Please clarify whether GPA will accept an onboard 8GB SSD, which exceeds the 128MB requirement, and a USB-A port for external storage connection, as an acceptable alternative.

ANSWER:

Yes, GPA shall accept onboard 8GB SSD and a USB-A for external storage connection as an acceptable alternative.

QUESTION:

6. IFB specifications reference "equivalent" and "Approved Equal To Or Better." Please confirm that General Terms and Conditions No. 19 Brand Names is applicable to this IFB.

ANSWER:

No. General Terms and Conditions No. 19 - Brand Names is not checked mark, Therefore, does not apply.

QUESTION:

7. Relative to A.19, IFB specifies "or 3 EA SFP Cisco compatible modules." Is GPA requiring the modules to be Cisco-compatible, or is GPA requiring the modules to be compatible with the bidder's proposed solution?

ANSWER:

GPA is requiring the SFP modules to be cisco-compatible.

QUESTION:

8. We respectfully request the deadline for submission be extended to two weeks from the date of GPA's distribution of responses to bidder questions to allow the adequate time to prepare a bid response.

ANSWER:

Refer to **AMENDMENT NO. II.**

Bidder No. 13 inquiry dated 5/28/2026:

QUESTION:

1. The current deadline is set for June 02, 2026, at 10:00 a.m. We would like to request an extension of two weeks, making the new deadline June 16, 2026 at 10:00 am if granted.

ANSWER:

Refer to **AMENDMENT NO. II.**

Bidder No. 5 inquiry dated 5/30/2026:

QUESTION:

1. We would like to request an extension to June 9th 2026 to allow sufficient time to obtain necessary technical clarifications and submit a complete and responsive quotation.

ANSWER:

Refer to **AMENDMENT NO. II.**

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	QTY:	U/I:	UNIT PRICE:	TOTAL PRICE:
1.0	Industrial Ethernet Switches	8	Each	\$ _____	\$ _____
	Purpose: For the upgrade of Substation Switches to comply with Cybersecurity requirements.			Comply	Non Comply
				Comply must be identified below.	All deviations must be identified below.
	A. Specifications (Per Switch):				
	A.1 – Total Ports - 28 ports				
	A.2 – Uplinks - 4 Small Form-Factor Pluggable (SFP) (100MB/1G)				
	A.3 – Copper 10/100/1000 PoE/PoE+ Ports2 - 24				
	A.4 – Hardware: 1 Gigabyte (GB) Dynamic Random Access Memory (DRAM), 128 MB onboard flash memory, 1 GB removable SD flash memory, Mini-USB and traditional RJ-45 console connector				
	A.5 – Alarm Input/Output: four alarm inputs to detect dry contact open or closed, one Form C alarm output relay				
*	A.6 – Power Consumption: Maximum of 100W not including PoE consumption				
	A.7 – Forwarding bandwidth: 28 Gbps (line rate/non-blocking)				
	A.8 – Switching bandwidth: 56 Gbps (Switching bandwidth is full-duplex capacity)				
	A.9 – Forwarding rate: 41.67 mpps with 64 byte packets (line rate for all ports and packet sizes)				
	A.10 – Number of queues: 4 egress				
	A.11 – Unicast Media Access Control (MAC) addresses: 16,000				
	A.12 – Internet Group Management Protocol (IGMP) multicast groups: 1000				
	A.13 – Number of Virtual Local Area Networks (VLANs): 1000				
	A.14 – IPv4 MAC security Access Control Entries (ACEs):1000 with default Ternary Content Addressable Memory (TCAM) template				
	A.15 – Network Address Translation (NAT) translation: Bidirectional, 128 unique subnet NAT translation entries, which can expand to tens of thousands of translated entries if designed properly				
	A.16 – Includes Internet Protocol (IP) services licenses - IP multicast, Industrial management, IP unicast routing protocols, Cisco Express Forwarding <i>or equivalent</i> , IPv6 routing, Security, Virtualization				
	A.17 – Licenses Included - IE-LICENSE-SPARE - Spare license for software upgrade (L2 to L3 features or Media Redundancy (MRP) ring)				
	A.18 – Shall include Power Supply – Alternating Current (AC) 100-240V 3.3A 50-60Hz or Direct Current (DC) 100-250V 3.3A				
	A.19 – Shall include (Per Switch): 3 EA Gigabit Link Connector - Long Haul-Single Mode Fiber (1310nm, 10KM, SFP for single-mode fiber) or 3 EA SFP Cisco compatible modules				

REFERENCE: Mfr.: Cisco
Part No.: IE-4010-4S24P
Mfr.: Cisco
Part No.: IE-9320-16P8U4X-E/-A

APPROVED EQUAL TO OR BETTER

NOTE:

Bidders must state either "Comply" or "Not Comply" against each specification on the bid document.

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.

Specifications Generated/Reviewed by:

NC 6/1/2026
CHRISTIAN CHARGUALAF Date
Engineer II

Specifications Reviewed by:

[Signature] 6/8/2026
ROEL CAHINHINAN Date
Engineer Supervisor

Specifications Approved by:

[Signature] 6/10/2026
JOHN J. CRUZ, JR., P.E. Date
Assistant General Manager of
Engineering & Technical Services