


SHIP TO: RECEIVING SECTION: GUAM POWER AUTHORITY P.O. BOX 2977 HAGATNA, GUAM 96932 TELEPHONE: (671) 648-3054/55 PSCC-Administration DFEJERAN1	<h2 style="margin:0;">PURCHASE ORDER</h2>  <h3 style="margin:0;">GUAM POWER AUTHORITY</h3> ATURIDÁT ILEKTRESEDÁT GUÅHAN P.O. Box 2977 Hagatna, Guam 96932 TELEPHONE: (671) 648-3054/5 FAX: (671) 648-3165	THIS PURCHASE ORDER NUMBER <h2 style="margin:0;">32965</h2> MUST APPEAR ON ALL INVOICES. PACKING SLIPS, PACKAGES, B/L, CORRESPONDENCE, ETC.
		PO DATE JOB ORDER NO./OBJ 6/27/2024 59200.107397.103

V E N D O R	Vendor Number: 5054008 CALIFORNIA PACIFIC TECH SVCS DBA: CALPAC P.O.BOX 8950 TAMUNING, GUAM 96931 TEL: (671) 646-3645/6 FAX: (671) 646-3643 EMAIL: rayeshk@calpacguam.com	AUTHORITY: 3109 INVITATION NO.: GPA-076-24 CONTRACT NO.: C-076-24 TIME FOR DELIVERY: 10 Weeks After Receipt of Order (ARO) - 10/07/2024 COMPLETION: EXPIRATION: DISCOUNT TERMS: REQUISITION NO: 38800 OR
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NO.	DESCRIPTION / SUPPLIER ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.0		1	EA	\$146,890.000	\$146,890.00

To provide Guam Power Authority Power System Control Center's Siemens SP5 SCADA EMS a redundant storage system. The system shall provide redundant storage services for a primary and a secondary system.

- A. SPECIFICATIONS:
- A.1 Storage requirement of 20TiB (~22TB), RAW (before dedupe or compression) or better; Hard Disk configuration shall be NVMe All-flash, direct-flash modules.
 - A.2 Hardware shall not exceed 3RU footprint.
 - A.3 Hardware shall include components to provide connectivity (4-ethernet links) to a 10G ethernet upstream switch. (x4) 10G Direct-attached-cables (DAC), twinax, is preferred. If DAC is not an available option, (x4) 10G MMF SFP transceivers with matching patch cables shall be provided.
 - A.4. Hardware for the proposed solution shall provide full redundancy for power supply, storage controllers, and network connectivity.
 - A.5 Able to tolerate an unscheduled power outage without the loss or corruption of data using native power banks to allow for graceful shutdowns, committing all in-flight writes.
 - A.6 Deduplicate and compress incoming data in-line.
 - A.7 FIPS 140-2 compliant and have a valid certificate.
 - A.8 Automatically creates, partitions, and stores new encryption keys every 24 hours.
 - A.9 Able to scale capacity and performance independently of one another.
 - A.10 Solution shall support non-disruptive upgrades with no risk of downtime or data migration.
 - A.11 Able to replace controllers or storage media while system is online and serving clients without causing loss or corruption of data.



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ACKNOWLEDGED BY: <u>Mathew Joseph</u> DATE: <u>7/29/2024</u> SIGNATURE OF VENDOR RETURN TO PROCUREMENT DIVISION VIA FACSIMILE AT (671) 648-3165	SIGNATURE: <u>[Signature]</u> 7/8/2024 JOHN M. BENAVENTE, P.E., General Manager Date Delegated Authority
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A.12	Supports non-disruptive upgrades that can occur with zero or near-zero performance impact, with no risk of downtime or data migration.				
A.13	Solution shall support the addition of flash media of different capacities non-disruptively to an existing system and without the need to manually equalize I/O.				
A.14	Snapshots shall be immutable.				
A.15	Supports and includes native encryption at rest without the need of additional hardware, software, or licensing.				
A.16	Supports and includes array-to-array native replication (asynchronous, synchronous, active DR) without the need of additional hardware, software, or licensing.				
A.17	Does not require RAID groups, performance tiers, or cache tiers to be configured nor managed.				
A.18	All features, licensing, and software components shall be included in the cost of the array in relation to the proposed requirements.				
A.19	Media shall be supported from wear forever as long as the system is under a valid support contract, eliminating the concern for the finite life of flash media.				
A.20	All current and future software upgrades, enhancements, and releases should be included for the life of the system while under support agreement.				
A.21	Shall have an on-island professional services engineer and be able to provide on-site services when required. On-island professional services engineer information must be provided.				
A.22	Support response times - minimum, Next Business Day parts delivery and 24/7 access to technical support.				
A.23	Shall have a parts depot on-island or provide spare parts of all critical components of the system as customer on-site inventory.				
A.24	Maintenance and support pricing must be flat.				
A.25	The solution must include no cost controller upgrades every three (3) years as long as the system remains under a valid support contract.				
B.	COMPLIANCE:				
B.1	ALL items/components must be brand new.				



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	B.2 Must include ALL required hardware components for normal operation "Out-of-the-box". B.3 ALL items/components shall be fully interoperable and shall not create and/or develop any issues, bugs, and/or problems with existing Cisco UCS Server and Cisco Network Infrastructure. B.4 Must include ALL required licensing and Software/Application support and maintenance (3-YR) to ensure normal operation when delivered. B.5 Bidder shall ensure the compatibility of all hardware and software components. B.6 Bidder is required to be an AUTHORIZED reseller, partner, or distributor of brand of solution proposed. Documents will be required to be presented. B.7 Bidder is required to have present in their team an on-island, Guam resident system engineer(s) with the following certifications present in the bid submission: a) Cisco Certified Network Professional Enterprise b) Cisco Certified Specialist - Enterprise Advanced Infrastructure Implementation c) Cisco Certified Specialist - Enterprise Design d) VMware Certified Professional ? Data Center Virtualization e) VMware Certified Professional ? Network Virtualization B.8 Proposed products, its components, hardware, software, or services, shall be prohibited and not acceptable if it has been determined that the products or services is/are designed, developed, manufactured, or supplied by any corporation, partnership, association, or other organization owned by, controlled by, or subject to the jurisdiction or direction of foreign adversaries such as the People's Republic of China, including Hong Kong SAR; the Republic of Cuba; the Islamic Republic of Iran; the Democratic People's Republic of Korea (North Korea); the Russian Federation; and Venezuela (Maduro Regime). B.9 Proposed products, its components, hardware, software, or services, shall be in compliance of: (a) the Securing the Information and Communications Technology and Services Supply Chain (ICTS Rule), Executive Order (EO) 13873; (b) the Public Law (PL) 115-232, National Defense Authorization Act (NDAA) 2019 (The McCain Act);				
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B.10 Proposed products, its components, hardware, software, or services shall be TAA compliant OR designed, developed, manufactured, or supplied by any corporation, partnership, association, or other organization owned, majority owned, controlled by a person or entity originating from a TAA designated country.

MANUFACTURER/BRAND NAME: Pure Storage Inc.
 CAT. NO./MODEL NO.: FLASHARRAY X20R4
 PLACE OF ORIGIN: USA
 EXPORT ABROAD: N/A



GPA Point of Contacts:
 James G. Shimizu, (671) 475-5294
 Email: jshimizu@gpagwa.com



John P. Cuenca, (671) 475-5293
 Email: jcuenca@gpagwa.com

RESTRICTION AGAINST SEX OFFENDERS:
 5 GCA Section 5253, enacted by P.L 28-24 and amended by P.L. 28-98:

The service provider warrants that no person in its employment who has been convicted of a sex offense under the provisions of Chapter 25 of Title 9 of the Guam Code Annotated, or of an offense defined in Article 2 of Chapter 28 of Title 9 of the Guam Code Annotated, or who has been convicted of an offense with the same elements as heretofore

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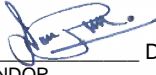
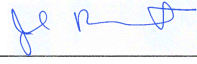
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defined in any other jurisdiction, or who is listed on the Sex Offender Registry shall provide services on behalf of the service provider while on government of Guam property, with the exception of public highways. If any employee of the service provider is providing services on government property and is convicted subsequent to an award of a contract, then the service provider warrants that it will notify the Government of the conviction within twenty-four (24) hours of the conviction, and will remove immediately such convicted person from providing services on government property. If the service provider is found to be in violation of any of the provisions of this paragraph, then the Government will give notice to the service provider to take corrective action. The service provider shall take corrective action within twenty-four (24) hours of notice from the Government, and the service provider shall notify the Government when action has been taken. If the service provider fails to take corrective steps within twenty-four (24) hours of notice from the Government, then the Government in its sole discretion may suspend temporarily any contract for services until corrective action has been taken.

- NOTE TO VENDOR:
1. Delivery is no later than the date indicate above.
 2. All late deliveries and acceptance are subject to the Liquidated Damages Clause in Section 6-101.09.01 of the Guam Procurement Regulations.

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	3. All Requests for Delivery Extensions will be closely scrutinized as all items/services are crucial to new customer installation, maintenance, and on-going projects. 4. 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. PAYMENT TERMS: NET THIRTY (30) DAYS after receipt of ORIGINAL invoice for goods received and/or services rendered. REVIEWED BY: <u><i>Jamie Lynn C. Pangelinan</i></u> <u>7/8/2024</u> JAMIE LYNN C. PANGELINAN Date Supply Management Administrator				

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