

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	Page 1 of 5
2. AMENDMENT/MODIFICATION NO. A001	3. EFFECTIVE DATE 02/14/2014	4. REQUISITION/PURCHASE REQ. NO. PR3081999-A001	5. PROJECT NO. (If applicable)	
6. ISSUED BY AMERICAN EMBASSY TEGUCIGALPA GSO, ACQUISITIONS UNIT, ATTN: GSO TEGUCIGALPA, HONDURAS	CODE HO800	7. ADMINISTERED BY (If other than Item 6) CODE AMERICAN EMBASSY TEGUCIGALPA GSO, ACQUISITIONS UNIT, ATTN: GSO TEGUCIGALPA, HONDURAS		
8. NAME AND ADDRESS OF CONTRACTOR (NO., street, city, county, State, and ZIP Code) NOVENDOR		<input checked="" type="checkbox"/> 9a. AMENDMENT OF SOLICITATION NO. SHO80014Q0005 <input type="checkbox"/> 9b. DATED (SEE ITEM 11) February 03, 2014 <input type="checkbox"/> 10a. MODIFICATION OF CONTRACT/ORDER NO. <input type="checkbox"/> 10b. DATED (SEE ITEM 13)		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<p>X The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers X is extended, _ is not extended to March 04, 2014 on or before 10:00 am Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning one copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
-	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.			
-	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)			
-	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:			
-	D. OTHER (Specify type of modification and authority)			
E. IMPORTANT: Contractor _ is not, _ is required to sign this document and return _ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this amendment is: <ul style="list-style-type: none"> To add "or equal" on the specifications. Schedule another period of submission of question until February 20, 2014. Answers will be posted after February 25, 2014 at the Embassy webpage: http://honduras.usembassy.gov/solicitations.html Extend the submission of offers date from February 18, 2014 on or before 10:00am to March 04, 2014 on or before 10:00 am Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME OF CONTRACTING OFFICER Ryan Ruta		
15B. NAME OF CONTRACTOR/OFFEROR BY _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA, BY (Signature of Contracting Officer)	16C. DATE SIGNED 2/13/2014	

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11. SCHEDULE (Include applicable Federal, State and local taxes)					
ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
1	Blade type servers (see below specifications) or equal	8.00	EA	\$	\$
2	Enclosure for Blade servers (see below specifications) or equal	1.00	EA	\$	\$
3	External storage(see below specifications) or equal	1.00	EA	\$	\$
4	48 ports switch (see below specifications) or equal	1.00	EA	\$	\$
5	Virtualization software (see below specifications) or equal	1.00	EA	\$	\$
6	Shipping charges, if applicable, to the Miami Despatch Agent: JIT Warehouses 11380 NW 34th ST Doral, FL 33178	1.00	EA	\$	\$

Technical specs BLADE-type Servers

Quantity	8 Servers BLADE-type
	ESPECIFICACIONES
Design	Servers in blade format
Processor	
Arquitecture	INTEL Xeon E5-26XX
Type	Eight-Core Intel® Xeon (3.50GHz)
Quantity of Processors	2 processors per server
Energy consumption	130W
Memory Cache	20 MB cache memory L3
Approval for operation on cluster	Yes
Configured for flush-mounted blade chassis	Yes
RAM Memory	
Quantity	96 GB of RAM
Maximun Memory	Hasta 512 GB
Slots Quantity	Minimum of 16 slots for memory
Type	DDR3 RDIMM Low voltaje
Consumption	1.35v a 1.5 v (Smart Memory)
Speed	1333 mhz
Free Memory Slots	50% free
Internat hard drive	
Quantity	2 disk

Size	300 GB
RAID	Allow management of RAID 1 (Mirror) using SAS controller
Interface	SAS Hot-Plug
RPM	15.000 rpm
Internal growth	2 SAS disk
Type of disk and controller	SAS controller, 1GB minimum of cache memory
Failure detection	By software
LAN Communications	
Quantity	1 card 10GB multifunction dual port per server, with support for iSCSI and that allow every port of 10gb can be Split in physical 4 NICs to optimize broadband management for virtualized servers
Bandwith	10/100/1000/10000
Remote administration	
Remote administration of each server	Integrated remote administration card for ignition and remote server management of the independent server of the operating system and the status of the server.
Video Controller	
Memory	32 MB minimum
Hardware support	3 years – with 4 hours response 24 x 7 attention on site for hardware, software, labor and parts offered directly by the manufacturer.

Chasis for Blade servers (Enclosure)

Quantity	1 CHASIS (ENCLOSURE) for BLADE servers
	Specs
Brand	Same as servers
Capacity	Enough for blade servers and connectivity and management items
Networking Switches	24 ports 10Gb, with Non-blocking architecture that allows each port of 10Gb can be Split in 4 NICs physical to optimize the management of the broadband for virtualized servers (2 switches)
Switches SAS	24 ports SAS 6Gb, with a minimum of 8 external ports that allow the connection with SAS storage (2 Switches)
On board administrator	Redundant Management card
Redundant	
Power supply	Yes, it should include redundant source supply as per the manufacturer architecture
Fans	10 active cool 200 fans
Form Factor	Maximun 10U
Conectivity elements	Yes, it should include the cabinet for the necessary blade server connection items to the LAN
Chasis dimension	To storage 16 blades (maximun)
Quantity of blades	16 blades per chasis
Software tools	
For the administration	Yes, please include it
For O.S. installation.	Yes, please include tools for Operating system installation
For restore in case of failure	Yes, it should be included
Operating System and drivers configuration	Yes
Warranty	

Type of warranty	3 years – on site visits/support for Hardware and Software, labor and parts,
Pre-failure warranty	Yes, for CPU, memory and disc
Power supply	Single-phase
Implementing services	Key installation Service of all components within the blade cabinets

External Storage specifications (SAN)

An Integrated Hardware and software solution is required
Software and hardware should work integrated and single-vendor or manufacturer
The servers used as nodes must be compatible with the enclosure offered in this same list of Bases.
All nodes must have the same functionality of the system at any time must be distribution of features separated within the concatenated system
All nodes or concatenated servers must balance automatically to any work carried out on them.
When performing a script on the concatenated system data should be divided in multiple fractions to be written though all the nodes or servers. Under no circumstances should be written on a same node.
The main function of the concatenated system should be to provide centralized networks ISCSI-based storage
The ISCSI-based storage system must be certified to work with MAC, Windows, Linux and unix-based initializers
The ISCSI-based storage system must be certified to work with software of server virtualization or desktops as VMWARE, CITRIX and Microsoft among others
Must have an “API” agent so that the storage system can be administered from the central console of VMWARE.
Compatible for enclosure of BLADE type servers
The storage system must provide a 42tb RAW capacity
The solution must allow a growth up to 672tb
The storage system must provide a capacity to use SAS disk technology
The discs must be 600gb and 15K
The enclosures of the discs must withstand up to 70 LFF SAS drivers
A total of up to 6 enclosures should be able to stack
Must have 10 GBE ISCSI ports (4)
It must support the following operating systems” Apple OS X, Citrix, HP-UX, IBM AIX, Microsoft Windows 200x, Novell, read hatd, suse Linux, VMWARE
Support for Hyper-redundant clustered storage
Features of disk hot plu RAID 5,6 and 10
The storage system must be able to create snapshot (point in time copy) from the resources of all the nodes at any time should intervene servers clients or initiators for its creation. This software must be included in each initial node, this software should not require any additional licensing for the entity
The storage system must be able to create clones using the resources of all the nodes, at any moment should intervene servers clients of initiators for its creation. This software must be included in each initial node as well as the extension of the same without the entity to incurs additional costs
Storage system based on technology ISCSI nodes that load balances automatically through them must do so through at least 2 network node land ports
The land network card must support 1 gbps and 10 gbps Ethernet technologies
The ISCSI storage system must not own or collect any type of license by customer or initializer

The storage system must have the ability to assign a greater number of TB in initializers servers regarding the effective real installed in the storage system. This software must be included on each initial node as well as the extension of the same unless the entity incurs additional costs, better known as thin provisioning
The storage system must have the ability to replicate either asynchrony or synchronous information across two storage systems, using the LAN and ISCSI protocol. This software must be included in each initial node as well as the extension of the same unless the entity incurs additional costs.
The storage system when either added a node or to increase its storage capacity must be online without interruption of Service and shall automatically redistributes the information including the new nodes or servers.
When adding the node the system in addition of showing the added capacity as available it should be integrated into the single system.
The management system must be based on a single set of nodes concatenated and not administered as independents servers of nodes.
The management system should be WEB Enable type
The storage management system should be intuitive, easy and from a single console anywhere on the network LAN.
3 year guarantee in site support for hardware and software, labor and parts offered directly by the manufacturer.

Tehnical specs 48 ports Switch

Ports	48 RJ-45 autosensing 10/100/1000
	4 SFP+ 10-GbE ports
	1 RJ-45 serial
Power supply	2
Cooling Fans	2 with capacity to support redundant N+N
Memory and processor	processor 666 MHz (minimum), flash memory 4 MB (minimum), compact flash 1 GB (minimum) , 256 MB DDR SDRAM
Throughput	Up to 130.9 million pps (64-byte packets)
Routing/Switching	176 Gbps
Size of the routing table	10000 entries
Size of the directions MAC table	64000 entries

Virtualization Software

Licensing of virtualization VMWARE Plus with 3 years support with a response time of 9 hours for 5 days for 4 servers.
Licensing for managing virtualization VMWARE Vcenter infrastructure with support of 3 years with response time 9 hours for 5 days 4 servers.
Implementation VMware vSphere Enterprise or Enterprise plus, including a vcenter installation on a dedicated server and installation of 4 ESX servers and 2 virtual machines.