



احالة مدنية

شراء وتوريد مركز بيانات لصالح سلطة الأراضي الفلسطينية

مناقصة	مناقصة/ استدرج
2017/193	الرقم
شركة البداوي	اسم الشركة
الأقل تكلفة والمستجيب جوهرياً	سبب الاحالة

المواصفات	السعر الاجمالي دولار	سعر الوحدة دولار	الكمية	الوصف	الرقم
حسب المعلق المرفق	22,500	22,500	1	Blade Enclosure	1
حسب المعلق المرفق	22,800	7,600	3	Blade Servers	2
حسب المعلق المرفق	47,400	47,400	1	SAN Storage	3
حسب المعلق المرفق	8,600	8,600	1	Backup to Desk Solution	4
حسب المعلق المرفق	8,550	8,550	1	Tape Library	5
حسب المعلق المرفق	4,800	1,600	3	Veem Backup	6
حسب المعلق المرفق	21,200	10,600	2	Core Switches	7
حسب المعلق المرفق	2,200	2,200	1	Cabinet PDU's & Cable Management	8
حسب المعلق المرفق	1,850	1,850	1	Data Center Monitoring	9
حسب المعلق المرفق	1,200	1,200	1	Access Control System	10
حسب المعلق المرفق	1,400	1,400	1	Air Condition 2 tons	11
حسب المعلق المرفق	1,050	35	30	Antivirus	12
حسب المعلق المرفق	10,000	5,000	2	Vmware Training	13
	153550 دولار			مجموع الإحالة على شركة البداوي شامل لضريبة القيمة المضافة	

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تعرض نتيجة الإحالة لمدة خمسة أيام عمل

من 19.12.2017 الى 26.12.2017



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ملحق المواصفات الفنية للبنود المحالة على شركة البداوي

1. Blade Enclosure: QTY 1

High Performance Blade enclosure.

Brand	DELL PE M1000e Blade Enclosure
Number of Blade Servers	16 blades
I/O Modules	6 modules (redundant)
Fans	(9 FANS ) Full Fans configuration
Power Supplies	Full power supply Redundant Power Supply (3+3 PSUs) 2700W, High Efficiency, M1000e Blade
IO Modules	Minimum of 2 x redundant I/O modules with following specifications for each: <b>DELL PowerEdge M I/O Aggregator, 56P, 10/40, for dual switch config (FI) 32 Port ( Quantity 2 )</b> <ul style="list-style-type: none"> <li>- 4 x (10-Gigabit Ethernet, FCoE, or Fiber channel SFP+ external ports).</li> <li>- 1 x 40 Gigabit Ethernet or FCoE (QSFP) port</li> <li>- 32 x 10 GBASE-KR internal ports.</li> <li>- Includes 4x FC 8Gb SFP+ for storage connectivity</li> <li>- Includes 2x 10GE SFP+ DAC Cable for Ethernet connectivity, 3 Meter, Vendor Assembled</li> </ul>
Management	Redundant management must be included in the whole solution.
Training	Vendor Official training for 2 seats includes training fees, traveling & accommodation and all other related expenses (door-to-door). Dubai Certified training center
Warranty and Support	3 Years Vendor Support/Warranty includes Parts & Labor
Unite Price	22500
Total Price	22500

2. Blade Server Specification: QTY 3

Blade servers with 2x Intel® Xeon®Gold 5118 Processor , and 192 GB memory.

Brand Name	DELL PowerEdge M640 Server
Server Type	Blade Server
Processor	2 X Intel Xeon Gold 5118 2.3G, 12C/24T, 10.4GT/s 2UPI, 16M Cache, Turbo, HT (105W)DDR4-2400
Memory	<ul style="list-style-type: none"> <li>- 12 x 16 GB DDR4-2666-MHz</li> <li>- Maximum memory capacity is 2TB .</li> <li>- Support DDR4 ECC registered DIMMs (RDIMMs) or load-reduced DIMMS (LRDIMMS).</li> <li>- Blades supports 16 DIMMs RAM for each Server</li> </ul>
Ethernet Adapters	12 vNIC Adapters
FC Adapters	4 vHBA FC Adapters
SD Card	2 x 32 GB SD card for ESXi OS support the mirror configuration between them



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Bandwidth	40 GB Bandwidth per server
Warranty and Support	3 Years Vendor Support/Warranty includes Parts & Labor
Unit Price	7600
Total Price	22800

### 3. SAN Storage solution: QTY 1

High FC Performance Storage with easy capacity expandability

Description	
Brand Name	DELL Unity EMC 300
Maximum supported drives:	150
Max FLASH cache:	800 GB
Array Enclosure Size:	2U Disk Processor Enclosure
Hard drives	13 x 4TB NLSAS 3.5" Drive ,11 x 1.8TB 10K SAS 2.5", 6 x 600 GB SAS ,3 x 200GB SSD for Fast Cache
Drive Enclosure Array option:	Supports 2U 25 drive trays for 2.5" drives or 3U fifteen drive trays for 3.5" drives
Standby Power Supply:	2 power supplies per DPE/DAE
RAID Options:	0/1, 5, 6
CPU per Array:	2 x Intel 6-core, 1.6GHz
Memory per Array:	48 GB
Max Block IO Modules per Array:	2x IO Modules
Embedded SAS IO Ports per Array:	4 x 4 lane 12Gb/s SAS ports for BE Connection
Max FE (front end) Total Ports per Array:	24
Max Initiators per Array:	1,024
Max FC Ports per Array:	20
Embedded 10GbaseTor SFP+ Ports per Array:	4 ports
Embedded CNA ports per Array:	4 ports: 8/16 Gb FC or 10Gb IP/iSCSI (working as 16GB SFP FC connection)
1 GbaseT/iSCSI Max Total Ports per Array:	16
10 GbE/iSCSI Max Total Ports per Array:	12 or more
Max Raw Capacity supported:	2.34 PBs
Max SAN Hosts supported:	512
Max Number of Pools supported:	20
Max Number of LUNs supported Per Array:	500
Max LUN Size supported:	256 TB
Max File System Size supported:	64TB
Interface Protocols (included):	NFSv3, NFSv4, NFSv4.1; CIFS (SMB 1), SMB 2 and SMB 3; FTP and SFTP; FC and iSCSI
Unified protocols	File, Block, VVols
Local Protection (included)	Local Point in time copies and Anti-Virus

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Remote protection (included)	Native Asynchronous Block & File Replication Native Synchronous Block Replication
Official Training	Official Vendor Training for 2 persons including travelling, accommodation, and all other related expenses (door to door). Dubai Certified training center
Warranty and Support	3 Years vendor support include labor and parts
Unite Price	47400
Total Price	47400

#### 4. Backup to disk solution with De-duplication: QTY 1

Description	Qty.
<b>Brand Name</b>	<b>Dell EMC Data Domain DD2200 Storage</b>
Maximum throughput:	3.8 TB/hr
Maximum Throughput with Boost:	4.7 TB/hr
Maximum Logical capacity:	860 TB
Maximum Usable	17.2 TB
Number Of drives	7 x 2TB NLSAS 7.2 K
Included Networking	1 x Mgmt port, 4 x 1 Gbe, 2 x 10 Gbe SFP
Optional Networking w/ IO Cards	Up to 8 x 1 GbE, up to 4 x 10GbE, up to 8 x 10 GBaseT, up to 4 x 8Gb FC
Virtual tape library	included
Boost	included
Network/iSCSI Ports	2 x 10GbE SFP+ ports included Supports for DAC
Warranty and Support	3 years vendor support include labor and parts
Unite Price	8600
Total Price	8600

#### 5. Autoloader/Tape Library: QTY 1 ()

Description	Qty.
Tape Library, 2U, 24 Slot, 1 x LTO-7 SAS Drive DELL PowerVault TL2000 Tape Library Drive type: 1x LTO-7 6Gb SAS half-height drives , Cartridge Slots: 24 Mail slots: Removable magazines with one user – configurable mail slot Web-Based remote management: Included DAT media: 20x LTO-7 RAW Data Tape, Cleaning media: 1x Universal Cleaning Cartridge Cables: SAS Cable included Bar code reader, Tape label: 1-60 Rack mount conversation kit: Included Additional part: SAS 6Gb Card for existing server, 10GbE SFP+ Dual Card for Server	1



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Warranty: 3 years Support/Warranty includes labor and parts	
Unite Price:8550	
Total Price: 8550	

### 6. Veeam Backup: QTY 1

Description	Qty.
License: Veeam_Backup_Essentials_Standard_2_socket_bundle_for_VMware	3
Support: 3 Years Basic maintenance Veeam Backup Essentials Standard 2 socket bundle for VMware	
Unite Price 1600	
Total Price 4800	

### 7. Core Switches: QTY 2

High performance Core Switches with 10Gb interfaces

Description	
Brand Name	DELL Networking N4064F switch
Physical Requirements	48 PORT SFP+ ports (10 Gbps) Dual redundant hot-swappable power supplies Four individual redundant hot-swappable fans One 10/100/1000 management port One RS-232 serial console port
Performance	480-Gbps switching capacity upgradable to 960-Gbps by license Forwarding rate of 360 mpps Line-rate traffic throughput (both Layer 2 and 3) on all ports Configurable MTUs of up to 9216 bytes (jumbo frames)
Capabilities	Number of MAC addresses normal mode 64,000 Number of VLANS 4096 Standard IEEE link Aggregation Protocol
Transceivers & Cables	2x 10Gb SFP+ DAC 3m Vendor assembled 4x 10GBase SR SFP+ Transceivers 4x 1Gb BaseT SFP Transceivers 8x 1Gb SR SFP Transceivers
Support:	3 Years Vendor Support/Warranty includes Parts & Labor
Unite Price	10600
Total Price	21200



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8. Cabinet, PDU's & Cable Management: QTY 1

Description	Qty.
<b>Brand Name</b>	Delta InfraSuite Rack
<b>Cabinet</b>	DELTA Cabinet 42U Black with depth 1060mm & width at least 600mm, perforated front & back doors & with lock keys for both
<b>Cabinet Cable Management</b>	DELTA Vertical Cable Organizer, 8 Cable Rings, Zero U
<b>PDU's</b>	DELTA Basic Zero PDU 32A, (20) C13 & (4) C19, Single Phase, Industrial Socket
<b>Unit Price</b>	2200
<b>Total Price</b>	2200

9. Data center monitoring: QTY 1 ( )

<b>Brand Name</b>	Room Alert 32W
<b>Operating Relative Humidity (Non-Condensing)</b>	5% - 85% RH
<b>Power Source</b>	5 VDC 1A Adapter, Included
<b>Power Over Ethernet (PoE)</b>	Yes (IEEE 802.3af)
<b>Power Compatibility</b>	110/240 VAC, 50/60 Hz, RoHS
<b>Power On/Off Switch</b>	Yes
<b>Built-In Uninterruptible Power Supply (UPS)</b>	Yes
<b>Built-In UPS Status Indicator (Red Battery / Green AC)</b>	Yes
<b>PoE, WLAN Activity Indicators (LED)</b>	Yes
<b>Reset Button (Restore To Default Settings)</b>	Yes
<b>0-5VDC Analog Sensor Input</b>	2 Ports
<b>External Relay Outputs</b>	2 Ports (0.3A@125VAC / 1A@24VDC)
<b>External Light Tower or Relay Switch Sensor Port</b>	Yes, 2 Ports
<b>Ethernet Port &amp; Speed</b>	RJ-45, 10/100 Mbps BaseTX
<b>Standalone Capability (No PC Required)</b>	Yes
<b>Built-In Web Server &amp; Interface</b>	Yes
<b>Password Protected</b>	Yes
<b>Built-In Web Server Alert Methods</b>	Email, SMS, SNMP, Web
<b>Built-In Web Server Alert Recipients</b>	Individuals, Groups, Heirarchies
<b>Graphic Sensor Status Displays</b>	Yes
<b>Real-Time Temperature Values</b>	Yes, Fahrenheit or Celsius
<b>Temperature High / Low Watermarks</b>	Yes
<b>Real-Time Humidity Values</b>	Yes, % Relative Humidity
<b>Humidity High / Low Watermarks</b>	Yes
<b>Heat Index Calculated &amp; Displayed (Feels Like Temp)</b>	Yes, Fahrenheit or Celsius
<b>Real-Time Values In Alerts</b>	Yes

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Easy Click Firmware Updates	Yes
SNMP Enabled (Trap & Query)	Yes
Real-Time Sensor Data Feeds	HTTP, SNMP, JSON, AJAX
MIB Files Available	Yes, Download
Digital Sensor Compatibility	Temperature, Outdoor Temperature, Fluid Temperature, Temperature & Humidity, Temperature & Analog
Built-In Digital Sensors (Internal)	Temperature, Humidity
Digital Sensor Ports (External via RJ-11)	8
Digital Temperature Sensors (Included)	1 Internal, 1 External
Digital Temperature Sensor Range	-67° to 257°F (-55° to 125°C)
Digital Temperature Sensor Accuracy	+ / - 0.125°
Digital Humidity Sensors (Included)	1 Internal, 0 External
Digital Humidity Sensor Range	5% to 95% RH
Digital Humidity Sensor Accuracy	+ / - 3.5%
Digital Sensor Cable Type & Standard Length	RJ-11 Cable, 25'
Maximum Digital Sensor Cable Length	Approximately 100'
Switch Sensor Contact Sets (External)	16
Switch Sensor Capacity	16
Built-In Switch Sensors (Internal)	Power
Connects To Dry Contacts (Other Devices)	HVAC, UPS, Cooler, Etc.
Switch Sensor Cable Type & Standard Length	2 Wire Cable, 25'
Maximum Switch Sensor Cable Length	Approximately 900'
WiSH Units Included	*
WiSH Communication Range (Distance)	*
WiSPR Communication Range (Distance)	*
Maximum WISH / WISPR Capacity (Quantity)	*
WiSH Signal Strength Indicators (LED)	Yes, Disabled
Wireless Sensor Alert Indicators (LED)	Yes, Disabled
Device Manager Software License	Full Use License Included
Number Of Devices Monitored Network-Wide	Unlimited
GoToMyDevices Compatibility	Yes, Included
Download Access Through GoToMyDevices	Yes
<b>Unit Price</b>	<b>1850</b>
<b>Total Price</b>	<b>1850</b>

10. Access Control System: QTY 1 ( )

Access Control System	Access Control System with multi look door (fireproof) included the installation
Unit Price	1200
Total Price	1200



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**11. Air Condition 2 tons: QTY 1 ( )**

Brand Name	Midea RAC Split Magic-28
tons	2 tons, single phase , 220-240W , 50Hz
control	The two ACs will run frequently, everyone run for 2 hours, (we need only one the second one already exist and installed)
temperature	A temperature sensor will run the two ACs if the temperature. Reaches 25c
installation	Included Installation for datacenter
Unite Price	1400
Total Price	1400

**12. Antivirus: QTY 30 ( )**

Antivirus	Kaspersky Security for Virtualization, Server
Unite Price	35
Total Price	1050

**13. VMware Training: QTY 2 ( )**

VMware training	5 full days at VMware certified training center Include traveling and accommodation
Unite Price	5000
Total Price	10000

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