

المواصفات الفنية الخاصة بالمناقصة العامة

رقم المناقصة : (٢٠١١/٩)

الخاصة بشراء وتوريد :

- المجموعة (أ) : سرفر – Switch – خازنات -

كمبيوترات – طابعات – Rack – موزعات شبكة

- كابلات شبكة المعلومات – Data Socket –

RJ-45 – ترنكيات توصيل الشبكة والتمديدات

- المجموعة (ب) : الأنظمة والتطبيقات

المؤسسة العامة للاتصالات السلكية واللاسلكية

الإدارة العامة للمشتريات والمخازن

إدارة المشتريات – قسم العقود والمناقصات

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1		الخادم - Server	1
1	Switch 10/100/1000 24 Port - Manageable Layer 2 Support Vlan	الموزع - Switch	2
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1	UPS 3KVA	وحدة التغذية الكهربائية (وحدة المعلومات)	
1	Rack 42U Standard Server, Black	كابينة تجهيزات	
8	3Com 8 Port Switches	موزعات شبكة Switches	
3	UTP Cat 6 350m	كابلات شبكة المعلومات	
50	Data Socket RJ-45	Data Socket	
حبة 150	RJ-45	RJ-45	
حبة 100	Trunk 25*40	ترنكيات توصيل الشبكة والتمديدات	

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الخادم Server

Item	Specification
Name	Brand
Type	Rack
Processor	Two Intel Xeon Quad-core (3 GHz)
Cache Memory	L2 8 MB cache memory
RAM	8 GB DDR3
NIC	10/100/1000 NIC
HDD	2*300 GB SAS 15K Hot Swap
RAID Controller	Support RAID 0 and RAID 1
Optical Drive	DVD Combo
Power Supply	Two Hot plug
Warranty	One Year
Monitor	21" LCD monitor
Operating system	Windows 2008 server, antivirus software
Keyboard & Mouse	Keyboard with mouse tray

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الموزع الشبكي Switch

- Switch 10/100/1000 24 Port.
- Manageable Layer 2 Support Vlan.

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وحدة التغذية الكهربائية UPS (الكمبيوترات)

Specification	Description
Technology	Line Interactive with AVR (Automatic Voltage Regulation)
Power	500 VA
Protection	Discharge/overload and overvoltage + telephone/fax/modem line
Power factor	0.7
Output connectors	3 IEC sockets with backup, 1 IEC socket with overvoltage protection protected RJ11, USB communication port
INPUT TECHNICAL CHARACTERISTICS	
Voltage	220 - 230 - 240 V
Voltage range	162- 290 V
OUTLET TECHNICAL CHARACTERISTICS (battery mode)	
Voltage	220 - 230 - 240 V
Output regulation	+/-10%
Frequency	50 or 60 Hz +/- 1 Hz (auto frequency)
Safety / Standard	EC

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كمبيوتر - Class A (جدول رقم (1))

Specification	Description
Processor	Intel® Core™ i5-750 Processor (2.66 GHz, 8M Cache)
Memory	4GB DDR3 (PC3-1333) MHz non-ECC (2 x 2 GB DIMM) Support up to 8GB
Hard drives	500GB 3.5-inch 7200 rpm SATA 3.0
Optical Drives	SATA SuperMulti Light Scribe DVD Writer
Monitor	19 LCD
Audio	Realtek ALC888S High Definition audio codec, 3D audio compliant with AC'97 Rev. 2.3 and HD Audio compatible
Ports	External: 1 audio out, 1 microphone in, 1 IEEE 1394 Rear: 1 digital audio out, 1 audio in, 1 audio out, 1 microphone in 1 surround rear, 1 surround side, 1 center/sub, 1 RJ-45 1 IEEE 1394 6 USB 2.0
slots	1 full-height PCIe x16
Graphics cards	ATI Radeon HD 4650 (1GB) PCIe x16 Graphics Card
Input device	USB 2-Button Optical Scroll Mouse
Keyboard	USB Standard Keyboard
Network card	10/100/1000 NIC
Operating System	Windows XP
Applications	Anti-Virus, MS-Office, Accessories Tools

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كمبيوتر - Class B (جدول رقم (2))

Specification	Description
Processor	Intel® Core™2 Duo E7500 Processor (2.93 GHz, 3 MB L2 cache, 1066 MHz FSB)
Memory	2GB DDR3 (PC3-1333) MHz non-ECC (2 x 1 GB DIMM)Support up to 4GB
Hard drives	250GB 3.5" 7200 rpm SATA 3.0
Optical Drives	16X SATA Super Multi Light Scribe DVD+/-RW
Monitor	17" LCD
Audio	Realtek ALC888S High Definition Audio Codec
Ports	External: 2 USB 2.0 1 audio headphone jack 1 microphone in Rear: 6 USB 2.0, 1 serial, 2 PS/2, 1 RJ-45, 1 microphone in, 1 audio in 1 audio out, 1 VGA, 1 DVI-D, 1 IEEE 1394 (optional), 1 parallel (optional) 1 serial (optional 2nd)
slots	1 full-height PCIe x16, 1 full-height PCIe x1, full-height PCI 2.3
Graphics cards	Integrated Intel Graphics Media Accelerator X4500HD
Input device	USB 2-Button Optical Scroll Mouse
Keyboard	USB Standard Keyboard
Network card	10/100/1000NIC
Operating System	Windows 7
Applications	Anti-Virus, MS-Office, Accessories Tools



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كمبيوتر - Class C (جدول رقم (3))

Specification	Description
Processor	AMD Athlon II X2 Processor 215 (2.7 GHz, 2 MB L2 cache, HT bus 3.0)
Memory	2 GB 1333 MHz DDR3 SDRAM
Hard drives	250 GB 7200 rpm SATA 3.0
Optical Drives	Not Applied
Monitor	17" LCD
Audio	Realtek ALC662 High Definition audio codec
Ports:	External: 1 audio in, 1 audio out, 2 USB 2.0 Rear: 1 audio in, 1 audio out, 1 microphone in, 1 RJ-45, 1 VGA, 4 USB 2.0
slots	1 full-height PCI 2.3, 1 full-height PCIe x16, 2 full-height PCIe x1
Graphics cards	Integrated NVIDIA GeForce 6150SE
Input device	Standard optical mouse
Keyboard	Standard keyboard
Network card	10/100NIC
Operating System	Windows XP
Applications	Anti-Virus, MS-Office, Accessories Tools



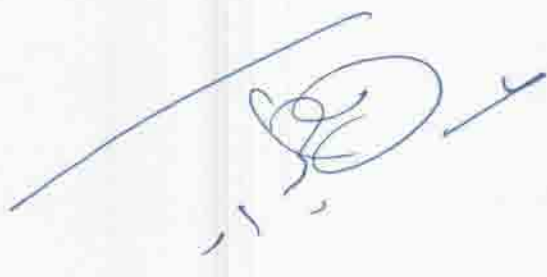
طابعة - Class B (جدول رقم (1))

Specification	Description
Model	LaserJet (A4 Network Printer)
Print speed	Up to 32 ppm
First page out (black)	As fast as 8.5 sec
Monthly duty cycle	Up to 25,000 pages
Recommended monthly print	500 to 2500 pages
Print quality, black	Up to 600 x 600 dpi
Cartridges	1 (black)
Paper tray(s), standard	1
Paper tray(s), maximum	2 (1 plus 50-sheet multipurpose input tray)
Input capacity, standard	250-sheet input tray, 50-sheet multi-purpose tray
Duplex printing	No
Media sizes, standard	Tray 1: Letter, legal, statement, executive, index cards, envelopes (No. 10, Monarch); Tray 2: letter, legal, executive
Media sizes, custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.1 x 5.8 to 8.5 x 14 in
Media types	Paper (bond, light, heavy, plain, recycled, rough), envelopes, labels, cardstock, transparencies, heavy media
Memory, standard	16 MB
Memory, maximum	16 MB
Processor speed	288 MHz
Hard disk	None
Connectivity, standard	Hi-Speed USB 2.0 compatible port, Fast Ethernet embedded print server



طابعة - Class C (جدول رقم (2))

Specification	Description
Model	LaserJet Printer
Print speed	Up to 15 ppm
First page out (black)	As fast as 8.5 sec
Monthly duty cycle	Up to 5000 pages
Recommended monthly print volume	250 to 1500 pages
Print quality, black	Up to 400 x 600 dpi (600 dpi effective output)
Cartridges	1 (black)
Paper tray(s), standard	1
Input capacity, standard	Up to 150 sheets
Duplex printing	Manual (driver support provided)
Media sizes, standard	Letter, legal, executive, postcards, envelopes (No. 10, Monarch)
Media sizes, custom	Main tray: 5.8 x 8.27 to 8.5 x 14 in
Media types	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, transparencies, postcards
Document finishing	Sheet feed
Memory, standard	2 MB embedded in SIP package, 64 KB EEPROM for NVRAM
Processor speed	266 MHz
Hard disk	None
Print languages, standard	Host-based printing
Connectivity, standard	Hi-Speed USB 2.0 port
Connectivity, optional	None



وحدة التغذية الكهربائية (وحدة المعلومات) - Class A (جدول رقم (1))

Specification	Description
Technology	Line Interactive with double auto voltage regulation
Power	3000 KVA
Output form	Modified sine wave
Full protection	Discharge / overload and overcharge protection + fax/modem line protection
Power factor	0.7
Output connectors	9 backup time sockets 2 RJ11/45 connectors
INPUT TECHNICAL CHARACTERISTICS	
Voltage	[110-115-120 V] or [220-230-240 V]
Voltage range	[86-144 V] or [172-288 V]
Frequency	50 Hz - 60 Hz auto detection
OUTLET TECHNICAL CHARACTERISTICS	
(battery mode)	
Voltage	[115 V] or [220-230-240 V]
Output regulation	+/-10%
Frequency	50 or 60 Hz +/- 1 Hz (auto frequency)
BATTERY	
Batteries Type	12V/9AH x 4 pcs
Backup Time	Up to 35 mints (depending on the model and the connected load)
Safety / Standard	EC - RoHS



Requirements Integrated System

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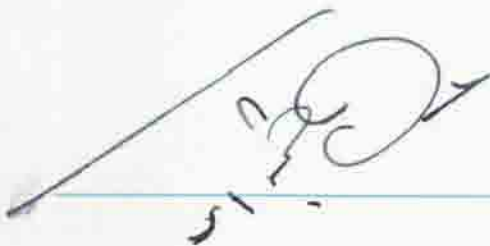
First: System of administrative affairs

Must consist of Rules the Following:

- Documenting and archiving of personnel records at the facility.
- Maintain records of staff contracts, benefits and deductions and adjustments, assessments and requests.
- The introduction of the qualifications and experience of staff.
- Monitoring and documentation of staff to renew and printed automatically when needed.
- Registration of applications for leaves and obtains approval for the disbursement and follow-up of receivables.
- Registration of transfer orders between management and staff sections, permanent or temporary.
- Preparation of the final settlement of the rights of the employee to be paid from the Department of Finance after approval from the Department of Human Resources.
- The ability to print all the contents of personnel files, including documents with modifications.
- Calculate all provisions of the salaries of staff leaves and the value of the tickets and the beginning of service for submission to the Department of Finance at the beginning of the year.
- Preparation of data and established branches, departments and divisions in addition to the Fund's data and official documents of the facility and follow-up expiry dates.
- Linking the functions and merits the introduction of financial limits for each
- Connect the function name to the principles and assessment criteria.
- Multiple reports to the data of staff and salaries.
- Ability to prepare official letters in an automated fashion.
- Processing of salaries and working out with the monthly print payroll.
- A special program for the work of the powers of the users.

- Bilateral Interface Language: Arabic or English.
- Special Assistant to the entry dates (Hijri or AD).
- Easy to deal with the interface system to match the design of all the system screens.
- Interface access to the system, allow more than one facility and the branch.
- Customize the system for each facility by the public choices.
- A special screen for the work of system settings and system files, and basic control.
- Manual and sequential numbering of the employee number.
- Customize the appearance of screens and font choices in the reports by each user through the General Settings.
- View the names of the employees in all the screens in the tree graphs to facilitate movement between them.
- Automatic archiving of former staff at the facility and the possibility of reference.
- Amendment and add in the core system files according to the requirements of work.
- Facilitate the implementation of the beginning of the fiscal year.
- E-Archive to save the data, photographs and documents of staff.
- The alarming advance of the documents on the verge of completion.
- Calculating the beginning of the service according to the Labor Law.
- The possibility of recording the opening balances of (vacations, tickets, beginning service).
- The possibility of exchange with overtime pay salaries or independently.
- The possibility of linking the system to the financial system and the deportation of payroll to accounts automatically.

Full integration with related systems at the level of accounts or cost centers.



Second: System Stores

Must be composed system stores The Following:

- Add an unlimited number of stores.
- Classification of inventory on the basis of the categories on the three levels (classification tree).
- Address the inventory of the stores without being restricted by the date of the inventory.
- Address the coding of the stores and position the system to link items in storage for easy access to items.
- Re-point demand, which is recorded the minimum that was required of every class where they are electronically alert when approaching him.
- Addressing the range of available stock with the possibility of adding new types of the system (raw materials / semi-manufactured materials / manufactured materials / spare parts /.....).
- Address the expiry date and alert mail.
- Full integration with related systems at the level of accounts or cost centers.
- Address the transfer of items between stores and this part depends on the policy established in the treatment where it can be manipulated in several ways, including:
 - * Mere transfer of items without additional fees.
 - * The transfer of items with the addition of administrative expenses.
 - * Considered a sale / purchase of the warehouses, but without adding sales tax.
 - * The possibility of linking the system Barcode (Barcode Scanner) or smart cards (Smart Card).



Third: Procurement System

Must consist of the procurement system The Following:

- Clear process (number is also a statement of purchases for easy retrieval of data).
- Encoding suppliers.
- Data to contact the vendor.
- The date of operation.
- The purchase order.
- Resource.
- The items and quantities and the total of each item.
- Method of payment (cash / deferred / check / credit card / mixed).
- Sales tax.
- Stamps and government tax.
- Cash discount / trade discounts.
- The total process.
- Full integration with related systems at the level of accounts or cost centers.
- The amount paid, and the recorded data based on the payment method, in the case of payment by check, for example saves the following:
 - * Check number.
 - * Drawer bank check.
 - * Maturity Date.
 - * Image of the check (check is drawn through the scanner and the reservation is tied to the sale).
 - * The remaining amount and the maturity date, and recorded data depend on the payment method.

Fourth: Fixed Assets Management System

System must consist of fixed assets The Following:

- Control of the life cycle of origin since the purchase and even ruled out.
- Computation of the depreciation (annual, monthly,) and tracking its impact on various accounts.
- Processing of financial and administrative operations of the assets (purchase, sale, destruction, additives, exclusion, etc.).
- Review the reports of the various statements and movements that have been a number of options on assets.
- Flexible configuration of the system, commensurate with the nature of the assets and the type of activity.
- Maintain records of analytical assets at the site level, branch and user and the parent ... Etc...
- Control operations are performed on the parent and adopted before the impact on the accounts or records.
- Easy to prepare inventories of the assets of the enterprise in accordance with the details of levels of organizational structure.
- The division of assets to the major groups and subcommittees and on multiple levels.
- Adjust operating expenses, maintenance and depreciation of assets, particularly between sites or mobile staff ... etc...
- You must allow the system to address assets ended diphtheria (providing more than one way to deal with assets ended diphtheria, according to the system configuration and commensurate with the activity of the facility).
- The work of restriction mechanism for depreciation and migrated to the accounting system (when the definition of an asset must be the definition of assets either individually or group where the proportion of depreciation, taking into account that are linked with the accounting system so that the system of relaying restrictions depreciation automatically through the unity of depreciation of assets).
- Computation of the depreciation (Computation of the depreciation and that both types (annual monthly) and tracking the financial impact of the various accounts).
- Show detailed data on the origin (through the report card that appears out of detailed data from the original).
- Treatment of assets endowed by calculating the proportion of suspended depreciation of the asset (when the definition of an asset is to determine the percentage depreciation of the asset and asset depreciation rates as well as in the case of suspension through the unit off the parent is determined originally suspended).
- Modify the original data (through the unit modified the statements of assets where you can change (its rate depreciation Recipient inventory book value).
- Full integration with related systems at the level of accounts or cost centers.

Fifth: System of Attendance and Leave

System must consist of attendance and leave The Following:

- Follow the movement of time during the day and employee on the clock.
- Issue a report on attendance and leave multiple options, according to the needs of the facility.
- Dealing with licenses and permits, gear and excuses in flexible ways.
- Control mechanism to attend and leave to the staff of branches in various ways.
- Fingerprint reader could be linked to one or more computer or more than one device.
- Possible link through the serial port or via the internal network protocol TCP \ IP or by fax, modem and phone line for remote areas and complex organs of attendance and leave.
- Identify public holidays according to applicable laws and regulations of the facility.
- Ability to use more of the imprint (all the hallmarks of the hand) to the employee so that the exchange is used in case of wounds or oily materials.
- Easy access to reports of discipline in the institution in record times and intervals.
- High flexibility in the issuance of reports of cumulative movement of the employee (attendance, leave, absence, delay, vacations, assignments, bills) at the level of all branches.
- Linked to the system of salaries and wages to determine the financial situation due to the employee.
- Full integration with related systems at the level of accounts or cost centers.

Sixth: Builder Periodic Reports and Statistical

Must consist of Builder system of periodic reports and statistical The Following:

- Designing and constructing the periodic reports and statistical work within the system environment of Windows and the purpose for which leads can take advantage of its potential to improve performance.
- Must be allowed Builder reports show data for processing and extracting the required data. Must also be flexible and effective manner that helps in providing great effort and a long time in the implementation of the work.
- Ability to identify the purpose of periodic reports and statistical.
- Ability to identify reports that will be needed nature of the work.
- Ability to select the fields that will be needed in the user reports.
- Ability to define fields in the reports by unique values.
- Ability to identify the relationships between reports and indexed in order of importance.
- Improve the design and directing.
- Ability to include all the information you want used in the reports, according to box.
- Add data and create objects to other reports.
- Ability to prepare periodic reports and statistical graphs on the evolution of the activities of the facility.
- The possibility of adding reports to the main menus and sub-logical forms in the system simplified.

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