**Item (1): Desktop PC QTY (350)**

|  |  |  |
| --- | --- | --- |
|  | **Feature** | **Minimum Specifications** |
| **1** | **Processor** | Intel® Core™ i7-9700 (3 GHz Up To 4.7 GHz ,12MB cache, 8 Core) |
| **2** | **Chipset** | Intel Q370 |
| **3** | **Form Factor** | Tower |
| **4** | **Memory** | 8 GB DDR4-2666Mhz. SDRAM |
| **5** | **Hard Drive** | 1 TB SATA (7200rpm) |
| **6** | **Optical Drive** | SATA DVD Writer |
| **7** | **Display** | 20" LED-Monitor (Same Brand) |
| **8** | **Graphics** | Integrated Intel UHD 630 |
| **9** | **Key Board** | A/L USB Keyboard (Same Brand) |
| **10** | **Mouse** | USB Optical Mouse (Same Brand) |
| **11** | **Audio** | Integrated High Definition Audio |
| **12** | **Communication** | Ethernet: Integrated (10/100/1000) |
| **13** | **Expansion Slot** | 1 full-height PCIe x1, 1 full-height PCIe x16 |
| **14** | **Ports** | ( 3 USB 3.0, 2 USB 2.0),1 RJ-45 ,1 VGA ,1 **DP**,1 Audio in ,1 Audio out |
| **15** | **Power supply** | 100 ~ 240 VAC , 50-60 Hz. |
| **16** | **Others** | All ( Drivers , MK Power Cord and **Adapter TO HDMI** )That Support The System Must Be Provided |
| **17** | **OS** | Free Dos |
| **18** | **Warranty** | 3-Year Warranty Including Spare Parts And Labor |

**Item (2): Laptop QTY (200)**

|  |  |  |
| --- | --- | --- |
|  | **Feature** | **Minimum Specifications** |
| **1** | **Processor** | Intel Core i7-8565U ( 1.8 GHz Up to 4.6 GHz , 8MB cache, 4 Core) |
| **2** | **Chipset** | Intel  integrated with processor |
| **3** | **Memory** | 8 GB DDR4-2400 MHz , SDRAM |
| **4** | **Hard Drive** | 500 GB SATA (7200rpm) |
| **5** | **Optical Drive** | DVD +/-RW Internal ) Preferable ( Or External |
| **6** | **Display** | 15.6” HD (1366X768) Anti-Glare LED – Backlit Diagonal |
| **7** | **Graphics** | Integrated Intel UHD 620 |
| **8** | **Ports** | 3 USB 3.0 ,1 VGA , 1 HDMI , 1 RJ45 , 1 Audio in 1 Audio out ,1 AC Power |
| **9** | **Audio** | High Definition Audio |
| **10** | **Communication** | Ethernet (10/100/1000) GIG NIC, Wireless 802.11 b/g/n |
| **11** | **Battery** | Primary 3-cell 45 Whr Battery |
| **12** | **Key Board** | Internal Arabic Qwerty Backlit Keyboard |
| **13** | **Carrying Case** | Same Brand , original |
| **14** | **Others** | All ( Drivers,MK Power Cord) that support the system must be provided ) |
| **15** | **OS** | Free Dos |
| **16** | **Warranty** | 3-Year Warranty Including Spare Parts And Labor |

**Item (3.a ) : Rack Servers QTY( 8 )**

|  |  |  |
| --- | --- | --- |
|  | **Feature** | **Minimum Specifications** |
| **1** | **Processor** | 2x Intel Xeon Silver 4210 ( 2.2Ghz , 10 Core , 13.75 MB L3 Cache ) |
| **2** | **Form factor** | Rack With rack mounted kit |
| **3** | **Memory** | 32 GB, DDR4 2933. |
| **4** | **Storage** | 3 X 900 GB hot-plug SAS 15K rpm hard drives |
| **5** | **Optical Drive** | Super DVD drive |
| **6** | **Fault tolerance** | RAID controllers support 0,1,5,6 With 2GB Cache |
| **7** | **Networking** | 2 X 1Gb Ethernet port |
| **8** | **Interfaces** | VGA , 4USB ports |
| **9** | **Optical drive** | Super DVD drive |
| **10** | **Keyboard& mouse** | (A/L Keyboard and optical mouse) same brand |
| **11** | **Monitor** | 19” LED same brand |
| **12** | **Power** | Two AC hot-pluggable power supply and cooling fans (220V/50Hz)  Hot-plug redundant power |
| **13** | **Expansion slots** | 3 X PCI-Express v3 |
| **14** | **Support OS** | Windows Server 2012 & 2016 |
| **15** | **Warranty** | 3-years warranty including labor and spare parts |

**Item (3.b ) : Rack Servers QTY( 2 )**

|  |  |  |
| --- | --- | --- |
|  | **Feature** | **Minimum Specifications** |
| **1** | **Processor** | 2xIntel Xeon Silver 4210 ( 2.2Ghz, 10 Core , 13.75MB Cache ) |
| **2** | **Form factor** | Rack (2U) With rack mounted kit |
| **3** | **Chipset** | Intel C621 Chipset |
| **4** | **Memory** | 64 GB DDR4 2400 . |
| **5** | **Storage** | 10 X 2.4 TB SAS 10K rpm , hot-plug , ( up to 24 hard drives ) |
| **6** | **Optical Drive** | DVD +/-RW Internal ) Preferable ( Or External |
| **7** | **Fault tolerance** | RAID controllers ( 4GB Cache) support 0,1,5,6,10 |
| **8** | **Networking** | 4 X 1Gb Ethernet port |
| **9** | **Interfaces** | VGA , 4USB ports.4 Pcle ports |
| **10** | **Keyboard& mouse** | (A/L Keyboard and optical mouse) same brand |
| **11** | **Monitor** | 19” LED same brand |
| **12** | **Power** | Two AC hot-pluggable power supply and cooling fans (220V/50Hz)  Hot-plug redundant power |
| **13** | **Expansion slots** | 3 X PCI-Express v3 |
| **14** | **Support OS** | Windows Server 2012 R2 & 2016 Standard Edition OS pre-installed ( 64 Bit), LINUX RED HAT v5.v6.v7.v8 |
| **15** | **Warranty** | 3-years warranty including labor and spare parts |

**Item (4) : Laser Printers QTY (300)**

|  |  |  |
| --- | --- | --- |
|  | **Feature** | **Minimum Specifications** |
| **1** | **Print speed** | 40 PPM |
| **2** | **Print technology** | Laser printing |
| **3** | **Printing method** | Monochrome |
| **4** | **resolution** | 1200 x 1200 dpi |
| **5** | **Double sided Printing** | Automatic duplex |
| **6** | **Memory (RAM)** | 512MB |
| **7** | **Connectivity** | 1 hi-speed USB 2.0 , Gigabit Ethernet |
| **8** | **Others** | All drivers and utilities should be included , USB cable |
| **9** | **Warranty** | 3-years warranty including labor and spare parts |

**Item (5): ADF Scanner Heavy Duty QTY (20)**

|  |  |  |
| --- | --- | --- |
|  | **Feature** | **Minimum Specifications** |
| **1** | **Scan type** | Sheetfed Scanner |
| **2** | **Scan mode** | Duplex/simplex , color/gray scale/monochrome |
| **3** | **Scan resolution** | 600 dpi |
| **4** | **Scan speed** | 65 PPM /130 IPM |
| **5** | **ADF capacity** | 80 sheets |
| **6** | **Duty Cycle ( Daily)** | 5000 Sheets/day |
| **7** | **Paper format** | A4 , A5 , and legal |
| **8** | **Interface** | 1 X USB |
| **9** | **Compatible OS** | win7 , win8.1 , Win10 |
| **10** | **Driver** | ISIS, TWAIN |
| **11** | **Power supply** | 100 ~ 240 VAC , 50-60 Hz . |
| **12** | **Other** | Power cable, USB cable and software |
| **13** | **Warranty** | 3-years warranty including labor and spare parts |

**Item (6.a): 20 KVA UPS QTY (1)**

|  |  |
| --- | --- |
| **Minimum Specification** | |
| **Capacity** | 20 KVA |
| **Form Factor** | Tower |
| **Technology** | True Online double conversion Sine wave |
| **Input/output connection** | Three phase input / Three phase output |
| **Input Power factor** | ≥ 0.98 (with full linear load) |
| **Output Power factor** | 1 |
| **Input Voltage** | 380/400V 3phase + N / (40~70Hz, +/- 10% ) |
| **Output Voltage** | 380/400/415V 3phase + N / (50/60Hz, +/- 5% ) |
| **Backup time** | 15 minutes @ Full load |
| **Battery** | Sealed Lead Acid type Free Maintenance , **Lifetime:** 5 years min |
| **Status and control** | Using multi-function LCD Panel |
| **Function extensions** | Automatic Bypass Switch , Internal manual bypass Switch |
| **Interface** | USB |
| **Operating temperature** | 0 - 40 °C |
| **Others** | All Drivers And MK Power Cord That Support The System Must Be Provided, electrical materials + Installation :  Cable trunk 12m, Input Power Cable 4x16 mm² (Flexible) 40m, Output Power Cable 4x10 mm² (Flexible) 2\*30m, Earth Cable 1\*6 mm² 50m, Main breaker with enclosure: MCCB / 63A / 3P / Schneider (Input MCCB), Transfer & Increase cable length for the output (UPS load) from the old distribution panels to the new UPS output distribution panels 2, Output Distribution Panel Include: Main breaker:  MCCB / 40A / 3P / Schneider (DP Input), Secondary circuit breakers:  MCB / 25A /1P / Schneider 3, Secondary circuit breakers:  MCB / 16A /1P / Schneider 9, Secondary circuit breakers:  MCB / 10A /1P / Schneider 6, Enclosure for UPS output power distribution panel ready to install 24 Circuit Breaker CB (With plate). |
| **Warranty** | 3-Year Warranty Including Spare Parts And Labor |

**Item (6.b): 20 KVA UPS QTY (1)**

|  |  |
| --- | --- |
| **Minimum Specification** | |
| **Capacity** | 20 KVA |
| **Form Factor** | Rack |
| **Technology** | True Online double conversion Sine wave |
| **Input Voltage** | 220-240 VAC / ( 50 Hz , +/- 10% ) |
| **Input Power factor** | ≥ 0.98 (with full linear load) |
| **Output Voltage** | 220 VAC / ( 50 Hz , +/- 5% ) |
| **Output Power factor** | 1 |
| **Backup time** | 15 minutes @ Full load |
| **Battery** | Sealed Lead Acid type Free Maintenance , Lifetime: 5 years min |
| **Status and control** | Using multi-function LCD Panel |
| **Interface** | RS-232 or USB |
| **Operating temperature** | 0 - 40 °C |
| **Others** | All Drivers And MK Power Cord That Support The System Must Be Provided |
| **Warranty** | 3-Year Warranty Including Spare Parts And Labor |

**Item (7.a) Abroad Training Course QTY(4)**

Offers must include certified training programs for the following topics :

|  |  |  |
| --- | --- | --- |
|  | **Feature** | **Minimum Specifications** |
| **1** | **Course Name** | Professional Training for SAN Storage |
| **2** | **Training Center** | Training must be in a Certified Reputable Training Center. Training plan should be mentioned in Details (Location, training Center Name, Number Training days for each course and course Outlined). |
| **3** | **Trainer** | Certified Trainer |
| **4** | **Course Duration** | Minimum Five working days . |
| **5** | **Expenses** | All expenses (course Fees, Course materials ,visa' s, Airplane Tickets, Accommodation , Meals , Transportation , etc.) |

**Item (7.b) Abroad Training Course QTY(4)**

Offers must include certified training programs for the following topics :

|  |  |  |
| --- | --- | --- |
|  | **Feature** | **Minimum Specifications** |
| **1** | **Course Name** | Prince 2 Foundation |
| **2** | **Training Center** | Training must be in a Certified Reputable Training Center. Training plan should be mentioned in Details (Location, training Center Name, Number Training days for each course and course Outlined). |
| **3** | **Trainer** | Certified Trainer |
| **4** | **Course Duration** | Minimum Five working days . |
| **5** | **Expenses** | All expenses (course Fees, Course materials ,visa' s, Airplane Tickets, Accommodation , Meals , Transportation , etc.) |

**الشروط الخاصة**

1. **تلتزم الشركة بتركيب وتشغيل وتنزيل انظمة التشغيل على جميع الاجهزة المذكورة اعلاه وحسب متطلبات القوات المسلحة الاردنية-الجيش العربي.**
2. **كافة المواد يجب ان تكون من الانواع المعتمدة في القوات المسلحة الاردنية - الجيش العربي .**
3. **ان لا تكون المواد المورده مصنعه قبل عام 2019 .**
4. **يتم تسليم جميع المواد اعلاه في المواقع التي تحددها مديرية الأمن السيبراني وتكنولوجيا المعلومات .**
5. **تلتزم الشركة بوضع ليبل على كل جهاز يبين (اسم الشركة المحال عليها العطاء، رقم قرار الاحالة، تاريخ التوريد، تاريخ انتهاء الكفالة).**
6. **العطاء قابل للتجزئة ما عدا البند رقم (3 ) يجب ان يكون مع البند رقم (7) وان تكون الدوره في البند رقم ( 7.a ) خاصه بنوع المنتج الذي سيتم الاحاله عليه في البند رقم (3).**
7. **تلتزم الشركة في البند رقم (6.a) بتركيب وتشغيل جهاز حفظ الطاقة (UPS) حجم 20KVA بالإضافة إلى عمل التمديدات الكهربائية اللازمة لذلك.**
8. **يجب ان يحتوي العرض على (Compliance Sheet) مع الاشارة للمواصفة المطلوبة و تحديدها على (Data Sheet).**
9. **الكفالة المجانية لمدة ثلاث سنوات تشمل جميع البنود الواردة وحسب ما هو مذكور في دعوة   
   العطاء.**
10. **تلتزم الشركة المحال عليها ماده/مواد بتسليم مديرية الأمن السيبراني وتكنولوجيا المعلومات نسخه الكترونية من الأرقام التسلسليه (SN ) لجميع المواد المحاله عليها .**
11. **في حال استبدال القرص الصلب (HDD) خلال فترة الكفالة المجانية , يتم استبداله بدون بديل وتحتفظ القوات المسلحة الاردنية - الجيش العربي بالقرص التالف ودون اي تكلفة اضافية .**
12. **ان لا تزيد مدة التسليم عن 12 اسبوع .**
13. **ان تكون الشركه المتقدمه حاصله على شهاده Partnership من الشركة الأم ويتم تقديمها مع اوراق العطاء وان يكون لديها مركز صيانه معتمد .**

**Acceptable Brands**

|  |  |  |
| --- | --- | --- |
| No. | Description | Acceptable brands |
|  | PC servers, Mid range servers | DELL, HP, IBM, Fujitsu, SUN. |
|  | High end server | DELL, HP, IBM, Fujitsu, SUN, Unisys. |
|  | PC’s (Desktops) | DELL, HP, Fujitsu, Apple, Lenovo. |
|  | Small Printers | Samsung, Richo, HP, Xerox, Sharp, Canon, Oki\*. |
|  | Notebook | DELL, HP, Fujitsu, Sony, Apple, TOSHIBA, Samsung, Lenovo. |
|  | Dot matrix and line printer | Epson, Sedco magna, Tally, Oki. |
|  | Plotter | Hp, Canon. |
|  | Scanners | HP, BenQ, Epson, Kodak, Canon, Xerox, Fujitsu. |
|  | UPS | GE, APC, Eaton power ware, Emerson (Liebert), Tripp-lite, Socomec, Rittal, BPC, Powerwalker, Inform. |
|  | Datashow | Dell, Philips, Canon, Acer, Panasonic, Sony, Eiki, Epson, LG, Hitachi, Samsung, Sharp, Toshiba, BenQ, viewsonic, Christie. |
|  | Screens | LG, Sony, Toshiba, Samsung, Panasonic, Philips, Sharp. |

\* Drum unit must be included in free warranty