**Ministry of Education**

**Sector: ICT**

Occupation: **Hardware and Network Servicing L-IV**

**Materials and Supplies (per candidate)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Items** | **Unit** | **Qty** | **Specification** |
| 1 | Computers with accessories | PCs | 1 | Minimum Pentium 4, At least 1GB RAM with NIC |
| 2 | Computer | PCS | 1 | Above Pentium III having RAM 1 GB with NIC |
| 3 | Windows Server 2003 Standard Edition | PCs | 1 | Full version |
| 4 | Windows XP or window 7 OS Professional Edition | PCs | 1 | Full version |
| 5 | Compatible Driver CD’s both for the Server and Client Computer | PCs | 1 | Full version |
| 7 | Cable | Meter | 3 | 3meters UTP Straight through crimped cables |
| 8 | Switch /Hub | PCs | 1 | Minimum 8 port |

Note: Materials and tools may be modified by the Assessor, depending on the actual job performed, and location & the standard installation practices of the country.

**Materials and Supplies (per candidate)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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| 1 | Computers with accessories | PCs | 1 | Minimum Pentium 4, At least 1GB RAM with NIC |
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| 7 | Cable | Meter | 3 | 3meters UTP Straight through crimped cables |
| 8 | Switch /Hub | PCs | 1 | Minimum 8 port |

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**Tools and equipment/ Instruments**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Item description | Qty | Unit | Specification |
| 1 | LCD projector | 1 | Pcs | Sony or related |
| 2 | Desktop computer | 1 | Pcs | Hard disk 120 GB  RAM 2 GB  CPU speed 2.4Mhz |

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**Materials, Supplies, Tools and equipment (per candidate)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Item Description** | **Unit** | **Qty** | **Specification** |
| **1** | Computers | PCs | 1 | Minimum Pentium 4, At least 1GB RAM with NIC |
|  | Computer | PCS | 2 | Above Pentium III having RAM 256MB with NIC |
| **2** | Windows Server 2008 Standard Edition | PCs | 1 |  |
| **3** | Windows 7 OS Professional Edition | PCs | 2 | 64/32 bits |
| **4** | Microsoft offices 2007, 2010 |  |  |  |
| **5** | Microsoft Visio 2007, 2010 |  |  |  |
| **6** | Compatible Driver CD’s both for the Server and Client Computer | PCs | 3 |  |
| **7** | Cable | PCs | 3 | 3 Pcs UTP Straight through crimped cables |
| **8** | Switch /Hub andDSL modem | PCs | 1 | Minimum 8 port |
| 9 | Window 8.1pro Standard Edition | PCs | 3 | 64/32bits |

**Materials, Supplies, Tools and equipment (per candidate)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Item Description | Unit | Qty | Specification |
| 1 | Computers | PCs | 1 | Minimum Pentium 4, At least 1GB RAM with NIC |
|  | Computer | PCS | 2 | Above Pentium III having RAM 256MB with NIC |
| 2 | Windows Server 2008 Standard Edition | PCs | 1 |  |
| 3 | Windows 7 OS Professional Edition | PCs | 2 | 64/32 bits |
| 4 | Microsoft offices 2007, 2010 |  |  |  |
| 5 | Microsoft Visio 2007, 2010 |  |  |  |
| 6 | Compatible Driver CD’s both for the Server and Client Computer | PCs | 3 |  |
| 7 | Cable | PCs | 3 | 3 Pcs UTP Straight through crimped cables |
| 8 | Switch /Hub and DSL modem | PCs | 1 | Minimum 8 port |
| 9 | Window 8.1pro Standard Edition | PCs | 3 | 64/32bits |

**Materials and supplies per candidate**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Item description | Quantity | unit | Specification |
| 1 | Windows Server 2008 R2 | 1 | DVD | 32/64 bit |
| 2 | Windows 8.1 | 1 | DVD |  |
| 3 | Windows 7 | 1 | DVD | 32/64 bit |
| 4 | MS Office 2007 | 1 | CD |  |
| 5 | MS Visio 2007 | 1 | CD |  |
| 6 | Driver Software | 1 | DVD |  |
| 7 | Broadband Internet connection |  |  | Good performance |

**Tools, Instruments & Equipment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Item description** | **Quantity** | **unit** | **Specification** |
| 1 | Client Computer | 2 | Pcs | 1GHz Processor  1GBB RAM  80 GB HDD |
|  |  |  |  |  |
| 2 | Server Computer | 1 | Pcs | 2GHz Processor  2GB RAM  80 GB HDD |

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**Materials and supplies per candidate**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Item description | Quantity | unit | Specification |
| 1 | Paper | 10 | pcs | A4 size |
| 2 | Broadband internet connection |  |  | Good performance |

**Tools, Instruments & Equipment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Item description** | **Quantity** | **unit** | **Specification** |
| 1 | Presentation Room |  |  | One computer and one LCD projector |
|  |  |  |  |  |
| 2 | Computer | 1 | Pcs | Standard computer installed  Microsoft Visio 2003  Microsoft office 2007 |

Note: Materials and tools may be modified by the Assessor, depending on the actual job performed, and location & the standard installation practices of the country.

**Consumable Materials and Supplies (per candidate)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Items** | **Unit** | **Qty** | **Specification** |
| 1 | Trunk/cable tray | Meter | 3 | 20\*45mm thickness |
| 2 | Cable | Meter | 3meter | 3meters UTP Cross over crimped cables |
| 3 | RJ-45 | PCs | 4 | Functional |

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**Equipments, Materials and Supplies (per candidate)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Items** | **Unit** | **Qty** | **Specification** |
|  | Computers | PCs | 2 | Minimum Pentium 4, At least 2GB RAM with NIC |
|  | Windows Server 2008 Standard Edition | PCs | 1 | Well prepared with no scratches |
|  | Windows 7 Home edition/Premium | PCs | 1 | Well prepared with no scratches |
|  | Compatible Driver CD’s both for the Server and Client Computer | PCs | 1 | Well prepared with no scratches |
|  | Switch /Hub | PCs | 1 | Minimum 4 port |
|  | Cable Tester | PCs | 1 | Functional |
|  | Crimper | PCs | 1 | Functional |
|  | Punch tool | PCs | 1 | Functional |
|  | Wall outlet | PCs | 1 | Functional |
|  | Grinder | PCs | 1 | Functional |
|  | Network tool kit | Set | 1 | Functional |

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