**أ. مواد الشبكات المطلوبة لمديرية الأمن السيبراني و تكنولوجيا المعلومات :**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **ITEM** | **Description** | **QTY** |
| **A. Active items** | | | |
|  | Cisco Router **ISR4221/K9** | Cisco ISR 4221 (2GE,2NIM,4G FLASH,4G RAM,IPB) | 30 |
|  | Cisco SFP **GLC-LH-SMD=** | 1000BASE-LX/LH long-wavelength; with DOM | 20 |
|  | Cisco SFP **GLC-SX-MMD=** | 1000BASE-SX short wavelength; with DOM | 10 |
|  | Cisco SFP **MGBLH1** | 1000BASE-LH SFP transceiver, for single-mode fiber, 1310 nm wavelength, support up to 40 km | 10 |
|  | Cisco SFP **GLC-FE-100BX-U** | 100BASE-BX10-U SFP for Fast Ethernet SFP Ports | 10 |
|  | Media Converter **MM10/100** (Fiber To Ethernet) | fiber optic MM 10/100 to 10/100Base-T copper UTP | 30 |
|  | Media Converter **MM10/100/1000** (Fiber To Ethernet) | fiber optic MM 10/100/1000 to 10/100/1000Base-T copper UTP | 20 |
|  | Media converter **MM 10/100 with POE** | Media converter (fiber optic MM 10/100 to 10/100 Base-T copper UTP with POE) | 4 |
|  | Media Converter **Ethernet To E1** | 10/100Mbps Ethernet To E1 (BNC connector 75 ohm) | 4 |
|  | Media Converter **Fiber To E1** | fiber optic (Single-mode, SC adapter) To E1 (BNC connector 75 ohm) | 3 |
|  | Cisco Switch CATALYST **WS-C2960C-8TC-L** | 2960C Switch 8 FE, 2 x Dual Purpose Uplink, LAN Base | 40 |
|  | Cisco Card **NIM-1MFT-T1/E1** | 1 port Multiflex Trunk Voice/Clear-channel Data T1/E1 Module | 30 |
|  | cisco switch **SF352-08M-K9-UK** | 8 10/100 ports, 2 Gigabit copper/SFP combo | 10 |
|  | | | |
| **B. Passive items** | | | |
|  | Cisco ACS-4220-RM-19 | Rack mounted kit for Cisco router ISR4221 | 35 |
|  | Fiber optic cable MM arial | 12core, MM, OM2, 50/125, Arial, two steel-wire strength member (Drum 2000m) | 4 |
|  | Fiber optic cable SM arial | 12 core, SM, 9/125, Arial, two steel-wire strength member (Drum 2000m) | 4 |
|  | Fiber optic cable SM | 96 core, SM, 9/125, duct type (Drum 2000m) | 1 |
|  | Communication cabinet 6U | Communication cabinet 6U with PDU and fans | 10 |
|  | Communication cabinet 9U | Communication cabinet 9U with PDU and fans | 5 |
|  | Single face plates | Complete single Face plate with connector and all accessories, with external electrical box | 200 |
|  | dual face plates | Complete single Face plate with connector and all accessories, with external electrical box | 200 |
|  | UTP Cable | UTP Cat6 cable (box 305m) (per box) | 60 |
|  | UTP Patch Panel | UTP Patch panel 24 ports, Cat6, fully loaded, rack mounted | 20 |
|  | Optical distribution frames (ODF) | 12 cores, MM, fully loaded with adapter and pigtail (50 micro), rack mounted | 30 |
|  | UTP Patch cord | UTP Patch cord, Cat 6, **1m** | 100 |
|  | UTP Patch cord | UTP Patch cord, Cat 6, **3m** | 200 |
|  | Fiber Patch Cord | Fiber Patch Cord MM 2SC-2LC (3m) | 20 |
|  | Fiber Patch Cord | Fiber Patch Cord SM 2SC-2LC (3m) | 20 |
|  | Fiber optic Adapter | Fiber optic adapter: SC, MM, Simplex | 120 |
|  | Fiber optic Adapter | Fiber optic adapter: LC, MM, Simplex | 120 |
|  | Fiber optic Adapter | Fiber optic adapter: LC, SM, Simplex | 120 |
|  | Fiber Pigtail | Fiber Pigtail MM, SC, 50 micro | 240 |
|  | Fiber protection sleeve | Fiber protection sleeve 40mm | 1000 |
|  | RJ45 cat6 plug | RJ45 cat6 plug | 1000 |
|  | PVC Flexible pipe | 16 mm, white color, hardened, (per m) | 500 |
|  | Trunk | plastic trunk, 1.6 \*1.6 (per m) | 300 |
|  | Trunk | plastic trunk, 2.5 \*3.8 (per m) | 600 |
|  | Fiber optic joint | capacity **144 Core**, used For **manhole installation**, Entries for **(4) cables**, shall have as few parts as possible, shall be Made of plastic, Gasket seal, chemical-resistant material | 5 |
|  | Fiber optic joint | capacity **12 Core**, used For **Arial installation**, Entries for **(2) cables**, shall have as few parts as possible, shall be Made of plastic, Gasket seal, chemical-resistant material | 30 |
| **C. Tools** | | | |
|  | Fluke CableIQ Qualification Tester (CIQ-100) | * Works on live networks to provide Ethernet switch detection and device configuration * Core troubleshooting features; length, distance to fault, graphical wire mapping, opens, shorts, power over Ethernet (POE) detection * Tests copper cabling media: twisted-pair, coax. | 1 |
|  | Fiber cable Jacket stripper | Fiber Jacket stripper | 3 |
|  | Fiber stripper | Fiber stripper, for coating stripping | 3 |
| **D. Abroad training** | | | |
|  | [**ARCH**](https://www.cisco.com/c/en/us/training-events/training-certifications/exams/current-list/arch-300-320.html) | Designing Cisco Network Service Architectures (ARCH) | 4  person |

ب. الشروط الخاصة:

1. العطاء غير قابل للتجزئة.
2. مدة التسليم (14) أسبوع كحد أقصى.
3. العطاء غير شامل التركيب والتشغيل.
4. العطاء شامل التسليم في مديرية الأمن السيبراني و تكنولوجيا المعلومات.
5. احضار شهادة من شركة (Cisco) تثبت أن جميع مواد (Cisco) التي تم شراؤها في هذا العطاء هي مواد تم شراؤها منها وهي مواد (Cisco) الأصلية.
6. الدورات شاملة كافة التكاليف من اقامة وتذاكر وتنقل ورسوم الدورة والتاشيرات وكل ما يلزم.
7. الدورات يجب أن تعقد حسب معايير (Cisco standard) من خلال مركز ومدرب معتمدين من شركة سيسكو (Cisco certified)
8. تقوم الشركة بالصاق (label) على جميع أجهزة وقطع الجزء (A) وهو جزء الــ (Active items) يحتوي على اسم الشركة ورقم قرار الاحالة وتاريخ التوريد.
9. تقوم الشركة بتزويد مديرية الأمن السيبراني وتكنولوجيا المعلومات بكشف بالارقام المتسلسة (Serial numbers) لأجهزة وقطع الجزء (A)عند تسليم الفاتورة.
10. يجب الالتزام بكافة محتويات المواصفات والشروط.
11. العرض يجب ان يشمل ورقة مطابقة على شكل جدول يحتوي المواصفات المطلوبة والمواصفات المقدمة من الشركة وبالاشارة الى الكاتلوج الفني، عدم تقديم هذه الورقة يعطي الحق للجنة الشراء برفض العرض وتكون الشركة مسؤولة عن جميع المعلومات داخلها.