**TECHNICAL SPECIFICATIONS**

1. **Smart Panel**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Brand** | Global/International “Worldwide Recognition” |  |  |
| **Type** | LED Touch Screen Interactive Board |  |  |
| **Display resolution** | 4K (3840\*2160) |  |  |
| **Effective screen size** | 85’’ |  |  |
| **Aspect Ratio** | 16:9 or 16:10 |  |  |
| **Multi-touch Capability** | Simultaneous operation for at least 4 points |  |  |
| **Display colors** | 10 bits |  |  |
| **Contrast ratio** | Higher than 5000:1 |  |  |
| **Computing** | Integrated-in  RAM: 4GB  Storage: 64GB  CPU: 4-cores CPU  GPU: dedicated card for graphics |  |  |
| **Special interfaces** | 1\*USB 2.0  1\*USB 3.0 Type-C  1\*VGA  2\*HDMI  1\*RJ45Ethernet LAN  1\*Wi-Fi IEEE 802.11 a/b/g/n/ac  1\*Bluetooth  1\*Audio (input and output) |  |  |
| **Optional Features** | Web Camera / Microphone / Built in Speakers / Light Sensor |  |  |
| **Software** | Required: All Drivers, Software + free upgrade for full performance during warranty period, included |  |  |
| **Installation** | All Accessories, Power, Data Cables, Wall Mounting shall be delivered as specified above. |  |  |
| **Accessories** | Wall-Mount Bracket, Remote Control, Digital Pens and Eraser, Pen tray. |  |  |
| **Power** | 100–240V AC, 50 Hz |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **LCD Projector**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Brand** | Global/International “Worldwide Recognition” |  |  |
| **Light Source type** | LED or LASER |  |  |
| **Display resolution** | Full HD 1920\*1080 |  |  |
| **Brightness** | 3000 Ansi-Lumens |  |  |
| **Throw ratio** | Short |  |  |
| **Contrast ratio** | Higher than 5000:1 |  |  |
| **Special interfaces** | 1\*USB  1\*VGA  1\*HDMI  1\*Wi-Fi IEEE 802.11 a/b/g/n/ac  1\*Bluetooth |  |  |
| **Keystone correction** | 2D correction |  |  |
| **Installation** | The contractor shall install and calibrate the projector according to LAF needs. |  |  |
| **Projection Screen** | Motorized type.  Materials: made of material that makes images brighter and clearer.  Installation Kit: included. |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **Laptop**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Brand** | Rated and listed on Gartner or Forrester wave Top 5 in this domain |  |  |
| **Type** | Laptop |  |  |
| **Processor** | Nb of Processors: 1\*Processor  Family: Core i7  Generation: latest generator at the time of bidding |  |  |
| **Memory** | 16GB / DDR5 Technology |  |  |
| **Interfaces** | 4\*USB (3.0) / 1\*HDMI / 1\*Audio |  |  |
| **Storage** | Disk1: SSD NVMe / 1TB Capacity  Disk2: SATA Technology / 2TB Capacity / 7.2K RPM |  |  |
| **Optical Drive** | 1\*DVD R/W |  |  |
| **Multimedia** | 1\*HD Webcam / 1\*Microphone & Speakers / 1\*Memory card reader |  |  |
| **Communication** | 1\*10/100/1000 Base-T Ethernet / 1\*WIFI 802.11a\b\g\n\ac / 1\*Bluetooth |  |  |
| **Keyboard** | Arabic/English |  |  |
| **Mouse** | Optical with scroll |  |  |
| **Monitor** | Size: 15.6’’ Inch / Full HD LED panel |  |  |
| Type: Touch Screen |
| **Battery** | Lithium-ion type, autonomy 4 Hours (based on Industry Objective Benchmarks) |  |  |
|  |  |  |
| **Accessories** | Carrying Case, Power Kit (220VAC 50HZ) |  |  |
| **Cables** | Power (220VAC 50HZ) and Data |  |  |
| **Operating System** | Windows 10 Pro |  |  |
| **Not Acceptable Models** | Hp Products that use **Sure Sense** Technology |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **Desktop Computer**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Brand** | Rated and listed on Gartner or Forrester wave Top 5 in this domain |  |  |
| **Type** | Desktop |  |  |
| **Processor** | Nb of Processors: 1\*Processor  Family: Core i7  Generation: latest generator at the time of bidding |  |  |
| **Memory** | 16 GB / DDR5 Technology |  |  |
| **Interfaces** | 4\*USB (3.0) / 1\*HDMI / 1\*Audio (MIC and loudspeakers), Ethernet port |  |  |
| **Storage** | Disk1: SSD NVMe / 1TB Capacity  Disk2: SATA Technology / 2TB Capacity / 7.2K RPM |  |  |
| **Optical Drive** | 1\*DVD R/W |  |  |
| **Multimedia** | 1\*Microphone & Speakers |  |  |
| **Communication** | 2\*10\100\1000 Base-T Ethernet |  |  |
| **Keyboard** | Arabic/English |  |  |
| **Mouse** | Optical with scroll |  |  |
| **Monitor** | Size: 24’’ Inch / Full HD LED panel |  |  |
| Type: Touch Screen |
| **Cables** | Power (220VAC 50HZ) and Data |  |  |
| **Operating System** | Windows 10 Pro |  |  |
| **Not Acceptable Models** | Hp Products that use **Sure Sense** Technology |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **Printer**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Brand** | Global\International “Worldwide Recognition” |  |  |
| **Color** | Black |  |  |
| **Printing Technology** | Monochrome Laser / Duplex |  |  |
| **Speed** | 35 ppm |  |  |
| **Resolution** | 1200/600/300dpi adjustable |  |  |
| **Duty Cycle** | 15,000 A4 pages/month |  |  |
| **Media Type** | A3 - A4 plain paper, Envelopes |  |  |
| **Input Trays** | (100 sheets A3) and (300 sheets A4) |  |  |
| **Interfaces** | 1\*USB2.0 / 1\*Ethernet 10/100/1000 base-T / 1\*Wireless 802.11 |  |  |
| **Cables** | All Accessories, Power, and Data Cables for Interfaces specified as “Minimum Requirements” included |  |  |
| **Consumables** | Toner, Drum, and Waste Container Delivered for:45000 A3-A4 pages Black by ISO/IEC 19752 |  |  |
| **Compatibility** | Windows10 Pro |  |  |
| **Special Features** | Auto-Document Feeder up to 35 sheets |  |  |
| **Other Functions** | Scanner (600dpi) and Copier |  |  |
| **Power** | 220VAC 50HZ |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **HDMI Cable**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Length** | 10meters |  |  |
| **Version** | HDMI 2.1 |  |  |
| **Bandwidth supported** | 18Gbps |  |  |
| **Features** | Variable Refresh Rate (VRR)  eARC (enhanced Audio Return Channel).  Ethernet supported |  |  |
| **Connector Type** | Type A |  |  |
| **Construction** | Connectors: Gold plated  Shield: robust shield to highly minimize EMI and RFI |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **Laser Pointer**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Highlight** | Advanced pointer + timer |  |  |
| **Pointer Type** | Laser or digital with mouse function |  |  |
| **Presenting Environment** | Projector/TV/LED screens |  |  |
| **Connectivity** | USB + Bluetooth |  |  |
| **Compatibility** | Windows, MAC |  |  |
| **Power** | Fitted with rechargeable battery |  |  |
| **Range** | 20m |  |  |
| **Presenting Software** | PowerPoint, Keynote |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **Television**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Type Display** | OLED |  |  |
| **Resolution** | 4K (2160p) |  |  |
| **Screen Size** | 55 inches |  |  |
| **Tuner** | Analog DVB-T, satellite (DVB-S2) and Digital Tuner (DVB-C) |  |  |
| **HDR** | Yes |  |  |
| **HDR Format** | Dolby Vision, HDR 10, Hybrid Log-Gamma (HLG) |  |  |
| **Power** | 220 Volts, 50 Hz |  |  |
| **Refresh Rate** | 120 Hz |  |  |
| **Smart System** | Yes |  |  |
| **Connectivity** | 3\*HDMI  1\*VGA  1\*Analog video input (RCA)  1\*Audio input/output  2\*USB |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **Multi-Function Network Printer**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **BRAND** | Global/International “Word wide Recognition” |  |  |
| **Device Type** | (1)- Copier  (2)- Printer  (3)- Color scanner  (4)- Fax |  |  |
| **Imaging System** | Laser Dry Electrostatic |  |  |
| **Control Panel** | 7" touch screen allows to:  - perform daily operations copy, Scan, Fax  - display machine faults and errors  - control and manage the machine settings and parameters |  |  |
| **Paper Source Input** | 2\*Trays (cassettes) |  |  |
| Manual bypass tray |
| **Auto document feeder** | Required |  |  |
| **Paper Capacity** | 250 papers/Tray |  |  |
| 100 papers /bypass tray |
| **Paperweight** | Tray: 60 to 105 g/m² |  |  |
| Bypass Tray: 64 to 216 g/m² |
| **Paper format** | A5 →A3 |  |  |
| **Interfaces** | (1) - Ethernet 100 Base-TX  (2) - USB 2.0  (3) - Wi-Fi (IEEE 802.11) |  |  |
| **System storage** | 256 GB |  |  |
| **Supported Protocols** | TCP/IP(IPV4/IPV6)- HTTP- FTP - SMB |  |  |
| **Power requirement** | 220VAC, 50Hz |  |  |
| **Warranty** | 1-year standard warranty |  |  |

**(1) Copier Specifications:**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Copy Speed and Duty Cycle** | 20 Pages per minute (ppm) |  |  |
| **Double side printing** | Required |  |  |
| **Zoom Range** | 25%→400% |  |  |

**(2) Printer Specifications:**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Printing modes** | (1)- Local printing (Direct)  (2)- Network printing  (3)- USB printing  (3)- wireless printing |  |  |
| **Printing resolution** | 600x600 dpi |  |  |
| **Operating system** | Windows 7, 8, 8.1, 10, windows server, Unix, LINUX, and MAC OS |  |  |
| **Printing Data language** | PCL6, PostScript 3; PDF and all the Standard format |  |  |

**(3) Scanner Specifications:**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **(1)- Scanning Resolution** | Adjustable Up to 600x600dpi |  |  |
| **(2)- Scan speed @ full resolution** | image per minutes |  |  |
| **(3)- Scan format** | PDF, TIFF, JPEG |  |  |
| **(4)- Scan the destination** | Scan to email  Network folders (SMB)  USB Memory |  |  |

**(4) Fax Specifications:**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **FAX transmission** | Analog, I-FAX, IP-FAX |  |  |
| **FAX resolution** | 600x600 dpi |  |  |
| **FAX modem** | 33.6 kbps |  |  |
| **FAX functions** | Polling; time-shift, pc-fax, receipt to confidential box |  |  |

1. **Flash Drive**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Capacity** | 128 GB |  |  |
| **Compatibility** | PC, Mac, Windows, LINUX |  |  |
| **Type Connector** | Double connector type A & type C USB 3.2 Gen 2 |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **Portable Hard Disk**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Capacity** | 8 TB |  |  |
| **Technology** | SSD |  |  |
| **OS compatibility** | Windows, MAC and LINUX |  |  |
| **Interface** | USB3.2 type A & type C |  |  |
| **Design and finishing** | Slim design with aluminum external cover |  |  |
| **Features** | Encryption software (AES 256) comply with IEEE1667 |  |  |
| **Reliability** | MTBF≥1.5million hours |  |  |
| **Warranty** | 1-year standard warranty |  |  |

1. **Paper and CD Shredder**

|  |  |  |  |
| --- | --- | --- | --- |
| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Bin Capacity** | 15L |  |  |
| **Advertised Sheet Capacity** | 8 |  |  |
| **Measured Sheet Capacity** | 10 |  |  |
| **Maximum Sheet per minute** | 110 |  |  |
| **Shred Type** | Micro-cut |  |  |
| **Power** | 220 Volts, 50 Hz |  |  |
| **Warranty** | 1-year standard warranty |  |  |

## \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Supplier’s authorized signature over printed name