No. TEVTA/MIS/                                       January 5, 2026

# NOTIFICATION

No.TEVTA/MIS/1-198 Technical Specifications for procurement of following IT Equipment are hereby notified.

1. Entry Level Server

2. Work Station / Desktop Computer

3. Laptop

4. Printers

5. Multimedia Projector

6. Scanners

7. Network Equipment

The Purchase procedure will be followed as per Punjab Procurement Regulatory Authority (PPRA) Rules 2014.
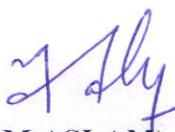
**(NAEEM ASLAM)**
Chief Technology Officer

A copy is forwarded for information to:

i.      All Director Generals (TEVTA)
ii.     Additional Director Generals (TEVTA)
iii.    All Zonal Directors and District Directors (TEVTA)
iv.     Director (Procurement), TEVTA Secretariat
v.      Director (Admin), TEVTA Secretariat
vi.     All Committee Members
vii.    Director (MIS) TEVTA Secretariat to place on Website and Circulate through email
viii.   Director to the Chairperson
ix.     PS to the C.O.O
x.      PS to SDG

| ENTRY LEVEL SERVER | |
|---|---|
| **ITEM** | **DESCRIPTION** |
| Processor | Intel Xeon processor (3.0 GHz, 18MB Cache) Equivalent / higher |
| Mother Board | Intel Chipset with min 4 Memory (RAM) slot or higher |
| Memory (RAM) | Min 16 GB DDR-5 (single module) or higher upgradeable/ Support upto 128GB |
| Hard Disk Drive | Min 2x 1TB SATA or higher |
| RAID Controller | Integrated SATA RAID Support Levels 0/1/10 or higher |
| I/O Ports & Expansion Slots | Min 4 PCI/ PCIe Slots and 4 USB 2.0/3.0 slots or higher |
| Optical Drive | DVD Writer (Super Drive) (Internal / External) |
| Display Card | As per manufacturer standards or integrated |
| Network Adapter | Minimum 2x integrated Gigabit Ethernet (10/100/1000) or higher |
| Mouse & Key Board | USB Standard Keyboard and Optical Mouse with Scroll. |
| Chassis | Tower / mini Tower Casing |
| Power Supply | Single Power Supply or manufacturer's standard |
| Display LED | 21" LED Display, 1024 x 768 Resolution supportive or higher |
| **Optional (Need Based)** | |
| Operating System (Educational Licensed ) | Microsoft Windows 2016 Server Std. Edition with minimum 10 CALS or latest |
| ECC Memory | Min 16 GB (Single Module) |
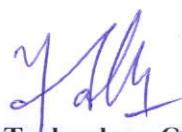
**Chief Technology Officer**
**TEVTA**

## WORK STATION / DESKTOP COMPUTER

| ITEM | DESCRIPTION |
|---|---|
| Processor | Intel Core Ultra 5 Processor, 18MB cache or higher |
| Mother Board | Intel chipset Motherboard with min 2 Memory (RAM) slot or higher |
| Memory (RAM) | Min 16 GB- DDR-IV or higher (single module), support upto 64 GB |
| Hard Disk Drive | Min 512 GB SSD or higher. |
| Display /Sound Card | Integrated display and audio card. |
| Network Adapter | Integrated Gigabit Ethernet (10/100/1000 Mbps) |
| Display | 18.5" LED or above, Low Radiation, 1024 x 768 Resolution supportive with HDMI Port or better |
| Mouse & Keyboard | USB Standard Keyboards and Optical Mouse with Scroll. |
| Casing | Tower / Mini Tower |
| I/O Interfaces and Expansion Slots | Min 4 USB 2.0/3.0 ports and Two PCI/ PCI Express slots, HDMI and Display Port |
| **Optional (Need Based)** | |
| Optical Drive | DVD-RW (Super Drive) or higher |
| Operating System (Educational Licensed) | Microsoft Windows 11 Professional or Latest Version |
| Wireless LAN Card | 300Mbps  or higher (if Wireless Networking required) |
| Graphics Card | As per curriculum requirement |

Chief Technology Officer
TEVTA

| LAPTOP | |
|---|---|
| **ITEM** | **DESCRIPTION** |
| Processor | Intel Core Ultra 5 Processor, 18MB cache or higher |
| Memory | 16 GB- DDR-IV/ V or higher, Support upto 64GB |
| Hard Disk Drive | 512GB-SSD or higher. |
| Display        Card/ Sound Card | Built-in Video Graphics display and sound card. |
| Connectivity | Built-in WIFI and Bluetooth |
| Display | 15" Full High Definition Display or higher |
| Mouse & Key | Touchpad Mouse and Standard Keyboard |
| Camera & Speaker | Built-in webcam with Mic, Integrated Speaker |
| Accessories | Manufacturer Original (Same Brand), Carry-Pack/ Executive Bag, Original Power Adapter & Original Battery |
| Warranty | Three Year |
| **Optional (Need Based)** | |
| Operating System | Microsoft Windows 11 Professional or Latest Version (Licensed) |

**Chief Technology Officer**
**TEVTA**

## PRINTERS

| ITEMS | DESCRIPTION |
|---|---|
| LaserJet Medium Duty | Minimum Print Speed: 38 PPM A4 size, Resolution 1200X1200 Dpi (1200 Image Quality) or better. Processor: 1024 MHz or higher Memory: 256 MB RAM or higher. Paper Handling: Legal, A4 & letter size paper. Duplex Printing: Automatic Two-sided printing (Duplexer Card). . Paper Tray(s): Two Paper Trays minimum. Low Ink indicator. Print cancel job etc LCD/LED Display of the Print Status, With other Standard Features of the Manufacturer. Drivers: Microsoft Windows, Linux supportive. Accessories: Data Cable, Power Cable |
| LaserJet Light Duty | Minimum Print Speed: 20 PPM, Memory: 64 MB RAM or higher, Processor: 400 MHz or higher Resolution: 600 x 600 dpi or better quality. Paper Handling: Legal, A4 & letter size paper. Paper Tray(s): One paper tray minimum. Other standard features like print cancel job etc. Drivers: Microsoft Windows, Linux supportive. Accessories: Data Cable, Power Cable |
| Color LaserJet Light Duty | Print Speed: 20 PPM (A4 size color on normal quality mode) or higher. Memory: 128MB RAM or higher. Processor: 512 MHz or higher Resolution: 600x600 dpi or better. Paper Handling: Legal, A4, and letter size paper. Paper Tray(s): one paper tray minimum + one manual paper feeding. Other standard features like low Ink indicator, print cancel button etc. Drivers: Microsoft Windows, Linux supportive. Accessories: Data Cable, Power Cable |
| Dot Metrix | Printing Method: impact dot matrix Print Speed: Draft mode 225cps (10cpi) or higher. Input Buffer: 8KB or higher. Number of Pins: 24Pins Formatting: Line spacing 1/6" or better Paper Handling: Cut Sheets, width 3.9" to 10.1", Length 3.9" to 14.3". Continuous paper width 4' to 10", Length 22". Paper Feed Method: Friction, Push tractor, Push & pull tractor and Pull tractor feed. Interface: Bidirectional 8-bit parallel and Serial Interface Drivers: Microsoft windows, Linux supportive. Accessories: Data Cable , Power Cable |

**Chief Technology Officer**
**TEVTA**

| MULTIMEDIA PROJECTOR | |
|---|---|
| ITEMS | DESCRIPTION |
| Technology | 3 LCD |
| Brightness | 3,600 Lumens (Lamp mode High) or better |
| Contrast Ratio | 16000:1 |
| Native Resolution | XGA (1024x768) or better |
| Aspect Ratio | 4:3 or better |
| Lamp Life (hours) | 6000 hour or higher |
| Zoom Lens | Manual Factor 1.2 |
| Projection/ Display Size: | 30" to 300" |
| Optical Lens Shift | Horizontal & Vertical |
| Ceiling Mountable & Remote Control | Yes |
| Ports | HDMI, USB |
| USB Port | PC-free slideshows feature with remote control (to run presentation without Computer) |
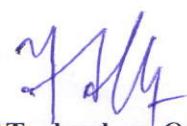
**Chief Technology Officer**
**TEVTA**

| SCANNERS | |
|---|---|
| **ITEMS** | **DESCRIPTION** |
| Light Duty Scanner for A4/ Letter size paper | Flatbed. Scanning<br><br>Resolution: 600 by 600 or higher.<br><br>Document Size: A4/Letter.<br><br>Scanning modes: B/W & Color.<br><br>Standard features along-with USB cable.<br><br>Drivers: Microsoft windows, Linux supportive.<br><br>Accessories: Data Cable , Power Cable |
| Light Duty Scanner for Legal size paper | Automatic Document Feeding and Flatbed.<br><br>Scanning Speed: 25 ppm / 45 ipm or higher<br><br>Scanning Resolution: 600 by 600 or higher.<br><br>Duplex ADF scanning: Yes<br><br>Document Size: Letter, Legal.<br><br>Scanning modes: B/W & Color.<br><br>Standard features along-with USB cable.<br><br>Drivers: Microsoft windows, Linux supportive.<br><br>Accessories: Data Cable , Power Cable |
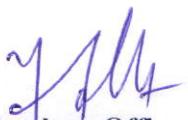
**Chief Technology Officer**
**TEVTA**

## NETWORK EQUIPMENT

| ITEMS | DESCRIPTION |
|---|---|
| **ACTIVE** | |
| **Non-Manageable Switch** | Non-Manageable Layer 2 Full Duplex, 10/100/1000 BaseT, TX Fast Ethernet 24 Ports |
| **Non- Manageable Switch** | Non-Manageable, 10/100/1000 BaseT, TX Fast Ethernet 08 Ports |
| **Wireless Access Point / Router** (If Wireless Networking Required) | 300Mbps with minimum 4 Ethernet Ports (10/100 Mbps) or higher |

### PASSIVE EQUIPMENT

| ITEMS | DESCRIPTION |
|---|---|
| UTP Cable CAT 6E (Pure Copper) | UTP cable, 4 pair, Fast Ethernet supported, Roll/Box = 1000 ft minimum |
| Face Plates | Face Plates with dual shutter, dual fast Ethernet supported  UTP I/O |
| Back Box | Standard Back Box |
| Patch Panel | UTP 24-Port Patch Panel with rear cable management |
| Patch Cord | UTP Patch Cord, fast Ethernet supported 1 meters, 3 meters, 9 meters or (length as per requirement) |
| Data Cabinet | Data Cabinet 4 U, perforated top, Floor standing, min 2 exhaust fans and power panel, glass door and Lock |
| Ducts | Duct 16 x 38 (10 Ft Per Length) ISO certified Brand |
| Ducts | Duct 40 x 40 (10 Ft Per Length) ISO certified Brand |
| PVC pipe | PVC Flexible 1 (10 ft Length) |
| | UTP Cable Laying & Termination job (Per Running Foot) |

**Chief Technology Officer**
**TEVTA**