**SECTION-IV: TECHNICAL SPECIFICATION**

## **Scope of Supply**

The scope of the supply includes the supply of list of items mentioned below in line with the specification highlighted in the section below. There shall not be any deviations in the specs highlighted below, and also the time period for the delivery schedule will not be increased.

Hence, we would like to request you to quote only if you are guaranteed of being able to supply. Also, the Liquidated Damages are quite high, so please take note of that.

We have also highlighted that the quantity may increase by up to 100%, hence the rates shall be valid for another 6 months.

## **Technical Specifications**

# **Laptop (High End)**

**Dell Latitude 3410 or equivalent**

**Processor:** 10th Generation Intel Core i7-10510U (4 Core, 8M cache, base 1.8GHz, up to 4.9GHz)

**Display:** 14" FHD (1920x 1080) Anti-Glare Non-Touch, Camera & Microphone, WLAN capable

**Operating System:** Genuine OS window 10 pro (64 bit) English with a recovery kit.

**Memory:** 16GB,1x16GB, DDR4 Non-ECC

**Hard disk:** M.2 512GB PCIe NVMe Class 40 Solid State Drive

**Battery:** 3 Cell 40Whr ExpressCharge Capable Battery

**Bag:** Dell Original Essential Backpack 15 from OEM

**Connectivity:** Intel Dual Band Wi-Fi 6 AX201 2x2 802.11ax 160MHz + Bluetooth 5.1

**Mouse:** Dell Mobile Wireless Mouse MS3320W - Titan Gray

**Keyboard:** Single Pointing Non-backlit Keyboard (English)

**Warranty:** 1-year warranty from the date of successful delivery.

Manufacturing Authorization letter from OEM

# **Laptop (Regular Use)**

**Dell Latitude 3410**

**Processor:** 10th Generation Intel Core i5-10210U (4 Core, 6M cache, base 1.6GHz, up to 4.2GHz)

**Graphics:** Integrated Intel UHD

**Operating System:** Genuine OS window 10 pro (64 bit) English with recovery kit.

**Display:** 14" FHD (1920x 1080) Anti-Glare Non-Touch, Camera & Microphone, WLAN capable

**Memory:** 8GB,1x8GB, DDR4 Non-ECC

**Hard disk:** M.2 512GB PCIe NVMe Class 40 Solid State Drive

**Battery:** 3 Cell 40Whr ExpressCharge Capable Battery

**Connectivity:** Qualcomm(R) QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter, Bluetooth 5.0

**Mouse:** Dell Mobile Wireless Mouse MS3320W - Titan Gray

**Keyboard:** Single Pointing Non-backlit Keyboard (English)

**Bag:** Dell Essential Backpack 15 from OEM

**Warranty:** 1-year warranty from the date of successful delivery

Manufacturing Authorization letter from OEM

1. **Color Inkjet Printer (Color Multifunction)**

**General**

|  |  |
| --- | --- |
| Printing Method | * Inkjet
 |
| Type | * Multi-function
 |
| Printing Output | * Color
 |
| Functions | * Scan, Print, Copy
 |
| Brand | * Epson
 |
| Refill Type | * Ink Bottle
 |

**Print**

|  |  |
| --- | --- |
| Max Print Resolution (Colour) | * 5760 x 1440 dpi
 |
| First Print Out Time (Color) | * 16 sec
 |
| First Print Out Time (Mono) | * 10 sec
 |
| Print speed Photo (10 x 15) | * 90 sec
 |
| Print Speed Color | * 15 ppm
 |
| Print Speed Mono | * 33 ppm
 |

|  |  |
| --- | --- |
| Input tray capacity | 100 Sheets |
| Borderless printing | Yes |
| Media size supported | Legal, Indian Legal (215 x 345 mm), 8.5 x 13 inch, Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), 4 x 6 inch, Envelopes: 10, DL, C6 |

**Scan**

|  |  |
| --- | --- |
| Scanning Speed Colour | * 32 sec
 |
| Scanning Speed Mono | * 11 sec
 |
| Scan area size | * 216 x 297 mm
 |
| Scan Method | * CIS
 |
| Optical scanning resolution | * 600 x 1200 dpi
 |
| Scan Type | * Flatbed Color Image Scanner
 |

**Copy**

|  |  |
| --- | --- |
| Copy speed Mono | * 7 ipm
 |
| Copy Speed Color | * 1.7 ipm
 |

**Dimensions And Weight**

|  |  |
| --- | --- |
| Height | * 17.9 cm
 |
| Width | * 375 mm
 |
| Weight | * 3.9 kg
 |
| Depth | * 347 mm
 |

**System Requirements**

|  |  |
| --- | --- |
| Operating System | * Windows XP/Vista/7/8/8.1/10, Windows Server 2003/2008/2012/2016 (Only Printing and Scanning Functions are Supported for Windows Server OS)

Mac OS X 10.6.8 or Later |

**Connectivity**

|  |  |
| --- | --- |
| USB support | * WiFi, WiFi-direct, USB
 |
|  |  |

1. **Duplex Scanner (Fast)**

|  |  |
| --- | --- |
| **Parameter** | **Specification** |
| **Scanner type** | ADF (Automatic Document Feeder), Duplex scanning |
| **Scanning modes** | Color, grayscale, monochrome, automatic (color / grayscale / monochrome detection) |
| **Image sensor** | Color CCD （Charge-Coupled device）x 2 (front x 1, back x 1) |
| **Light Source** | White cold cathode discharge lamp |
| **Scanning speed**  | **Auto mode** | Simplex / Duplex: 20 ppm |
| **Normal mode** | Color / Grayscale: 150 dpi, Monochrome: 300 dpiSimplex / Duplex: 20 ppm |
| **Better mode** | Color / Grayscale: 200 dpi, Monochrome: 400 dpiSimplex / Duplex: 20 ppm |
| **Best mode** | Color / Grayscale: 300 dpi, Monochrome: 600 dpiSimplex / Duplex: 20 ppm |
| **Excellent mode** | Color / Grayscale: 600 dpi, Monochrome: 1,200 dpiSimplex / Duplex: 5 ppm |
| **Document size** | **Normal mode without Carrier Sheet** | A4, A5, A6, B5, B6, Business card, Post card, Letter, Legal and Custom sizes (Max: 216 mm x 360 mm (8.5 in. x 14.17 in.), Min: 50.8 mm x 50.8 mm (2 in. x 2 in.)) / Automatically recognizes document size |
| **Normal mode with Carrier Sheet** | Use of a carrier sheet permits the scanning of A3, B4, double letter and photographs as well as the document sizes that are listed above |
| **Long paper scanning**  | 863 mm (34 in.) |
| **Paper chute capacity** | Maximum 50 sheets （A4, 80 g/m² or 20 lb） |
| **Interface** | USB2.0 （USB1.1 Compatible） |
| **Multi-feed detection** | Supported (Standard) ultrasonic multi-feed defection sensor |
| **Driver** | Should be Compatible with all versions of Windows and Mac OS. |

1. **Android Phone for App Development**

**OS**: Android

**CPU**: Octa-core or higher

**Memory**: 128GB or more

**RAM**: 6GB

**Sensors**: Fingerprint (rear-mounted), accelerometer, gyro, proximity, compass

1. **16 Port Gigabit POE Switch**
* 16 x Gig Copper Ports
* 16 x 802.3af/ 802.3at Ports
* Desktop, Wall-mount and rack-mountable
* Small form factor
* Interchangeable External Power Supply
1. **Drawing Tablet**
* Active Area: 6\*4-Inch
* Pressure Sensitivity: 8192 levels
* Resolution: 5080 LPI
* Pen: Battery-free pen
* Connectivity: 2.4/5 GHz Wireless Connectivity, USB, Bluetooth
* Compatibility: Windows, Mac and Android
1. **Booklet Binder Machine**

Punching Capacity: 15 Sheets (32/34 Holes Wire), 20 Sheets (19/21 Holes Comb), 2 Sheets (PVC 0.2mm Cover)

Binding Capacity: O-Wire 5-28 mm (250 Sheets), Plastic Comb 6-51 mm (500 Sheets)

Accepted Paper Format: A4, Letter, Cover, 12"Inches

Punch And Bind: Individual system for punch & bind which allows operating separately

Edge Guide: Adjustable for A4, letter, cover, 12"Inches

Punching Depth: 2 Steps Adjustable For Plastic Comb

Operating Mode: Manual

1. **HDMI Cable**

HDMI Cable 4K High Speed Branded (5 m)

1. **Earphone with Mic (Bluetooth supported)**

|  |  |
| --- | --- |
| Brand | Skullcandy |
| Color | Blue/Speckle/Sunset |
| Connectivity Technology | Wireless |
| Model Name | Riff wireless |
| Form Factor | On Ear |

* Bluetooth wireless technology
* Rapid charge: 10 minutes = 2 hours
* Up to 12 hours of battery life
* Ultra-durable headband
* Microphone, call, volume, track control, and activate assistant
1. **Logitech K250 Wireless Keyboard or equivalent**
2. **Wireless Access point- For BITS project setup in DRC**

|  |  |
| --- | --- |
| **Ruckus r720** |  |
| Maximum PHY rate | 1,733 Mbps (5GHz) |
| 800 Mbps (2.4GHz) |
| Wi-Fi technology | 802.11ac Wave 2 (5GHz) |
| 802.11n (2.4GHz) |
| Concurrent users | 256 |
| Radio chains: streams | 4x4:4 |
| Beam Flex gains | 6dB |
| Max. interference mitigation | 15dB |
| PD-MRC | Yes |
| Rx sensitivity | -104dBm |
| Channel Fly | Yes |
| Smart meshing | Pending |
| USB | Yes |
| Ethernet ports | 2 |
| Other features | PoE |