

The Islamia University of Bahawalpur



**FRAME-WORK CONTRACT BIDDING DOCUMENT FOR
MANUFACTURERS / DISTRIBUTORS / SUPPLIERS ETC.**

(IT, Networking and Miscellaneous Items for Directorate of IT)

Framework Contract for Procurement of IT, Networking and Miscellaneous Items for Directorate of IT for the Year 2020-2022

Last date of submission: _____

1. Overview

The Islamia University of Bahawalpur intends to purchase “**Framework Contract for Procurement of IT, Networking and Miscellaneous Items for Directorate of IT for the Year 2020-2022**” as provided at **Tender A, B and C**.

The supplier will be responsible for Supply, delivery and commissioning of all specified items, wherever required, at The Islamia University of Bahawalpur. This document provides complete instructions for bidders intending to participate in this Tender.

2. Instructions for Bidders

2.1. Response to the Tender (Bid) should be submitted in one part which shall include two separately sealed envelopes of Technical **Proposal** and Financial **Proposal** before _____ on 11:00AM. Technical Proposals will be opened on same day at 11:30 AM in the presence of Bidders/representatives of the firms, if any, and Financial Proposals will be opened after completion of technical evaluation. The exact time and place for opening of financial proposals will be informed to technically qualified bidders.

2.3 Applicant shall submit consent to deliver goods / items for 24 months at the same price from the dated of award of the contract/ issuance of supply order.

Treasurer

The Islamia University of Bahawalpur

Tel. # 0629250245

2.4. Any queries regarding this proposal should be directed to the designated Contact Person listed above.

2.4. All bids must be submitted by filling the **Tender A, B and C**. same should be enclosed in the financial proposal. Bidder must use the same numbers and labels used in this Request for Proposal.

2.5. The original Tender Document duly signed and officially sealed by the bidder must be submitted in whole with the proposals. Any conditional, ambiguous, incomplete, supplementary or revised offer after the opening of tender shall not be entertained.

3. Technical Proposal Format

Bidders are required to include the following documents/information in their technical proposals in the order given below:

- i. The Name and Address
- ii. Profile of company
- iii. List of Previous/Current customers of related supply.
- iv. Detailed product information
- v. Copy of National Tax Registration Certificate
- vi. Copy of Sales Tax Registration Certificate
- vii. Bank Statement 06 months
- viii. An affidavit on Rs 100/- Stamp Paper that currently they are not blacklisted or de- barred by any Government/Semi-Government Department to participate in bidding and to supply equipment. Failure to submit such affidavit may lead to disqualification.
- ix. Any additional information the bidder may like to furnish e.g. repair/maintenance other concerned facility
- x. Detailed item specifications matched corresponding to the BOQ as given at **Tender A, B and C**
- xi. Detailed project implementation schedule/Completion Schedule which includes the delivery of items mentioned in the BOQ
- xii. Signed and stamped Tender document
- xiii. Bank Draft/Bank Guarantee of the Earnest Money

4. Financial Proposal Format

Financial Proposal must include the following in the order given below:

- i. Equipment prices duly entered on the form in the attached BOQ
- ii. Validity period of the quoted price
- iii. Any other Terms and Conditions

5. Terms & Conditions

- 5.1. This invitation for bids is open to all National original Manufacturers/ Distributors/Suppliers / Vendors in Pakistan for supply.
- 5.2. All prices should be quoted in Pak Rupees and inclusive of all Government Taxes & Levies.
- 5.3. A Bank Draft/Bank Guarantee equal to 2% of the estimated cost should accompany the Tender as **Earnest Money** drawn in favor of **Treasurer IUB**. The Tender shall not be considered without Earnest Money. Bank draft for Earnest Money should be placed with the Technical proposal.
- 5.4. Earnest Money for bidders not selected will be returned a minimum of two weeks after announcement of award and returned to successful bidder after signing the contract. If the selected bidder fails to sign the contract within stipulated time, Earnest Money will be forfeited.

- 5.5. A Bank draft of 5% of the total amount as **Performance Guarantee** will be provided by the supplier in favor of Treasurer IUB within 10 days after decision of award of contract along with judicial stamp paper of the value 0.25 % of total cost which shall remain valid for 24 months beyond delivery period. This performance guarantee will be released after the completion of warranty/guarantee period, along with the satisfactory completion report by the Directorate of IT
- 5.6. The quantity of an order may vary depending on the quoted prices and the allocated funds. University may procure or order for as many items it may desire or none at all as per the requirement
- 5.7. The decision of the Competent Authority will be binding on all concerned and will in no case be challenged in any forum.
- 5.8. IUB reserves the right to modify the conditions / specifications of the Tender Document with written intimation to all the participants who have purchased the Tender Document.
- 5.9. Delivery period will be as per terms and conditions of purchase order/supply order.
- 5.10. Delivery shall be completed according to the agreed upon schedule.
- 5.11. In case the selected bidder fails to execute the contract strictly in accordance with the terms and conditions laid down in the contract, the Performance Guarantee shall be forfeited.
- 5.12. The University will get the item inspected at IUB and reject the item, if not found according to the stated specifications.
- 5.13. In case of failure on the part of supplier to supply the items / goods as per specifications quantity or within the stipulated time without getting extension, penalty will be imposed on the supplier by The Islamia University of Bahawalpur as under:
- i. Delay of one week to handover the equipment as per specifications = 0.5% of the total cost of issued P.O
 - ii. Delay of two weeks to handover the equipment as per specifications = 1.0% of the total cost of issued P.O
 - iii. Delay of three weeks to handover the equipment as per specifications = 2.0% of the total cost of issued P.O
 - iv. Delay of four weeks to handover the equipment as per specifications = 4.0% of the total cost of issued P.O

Note: In case of delay beyond four weeks, the Islamia University of Bahawalpur reserves the right to impose penalty up to 10% of ordered value or cancel the order or both may be implemented at the same time.

- 5.14. It is the sole responsibility of the bidder to comply with local, national and international laws.

- 5.15.** In case any supplies/material is found not in conformity with the specifications provided in the tender, either on account of inferior quality, defective workmanship, faulty design, faulty packing or is short supplied, or wrongly supplied, the supplier will replace the same free of charges or pay the full cost of replacement.
- 5.16.** All the proposals submitted will become the property of the University.
- 5.17.** All prices should be valid for at least 120 days. Withdrawal or any modification of the original offer within the validity period shall entitle the IUB to forfeit the Earnest Money in favor of the IUB and/or putting a ban on the future inquiries or taking any other suitable action against the bidder.
- 5.19.** Delivery of the items will be free of charge at IUB during the office hours with a copy of Delivery Challan.
- 5.20.** Items being ordered should be brand-new and according to order specification from the current production and covered under normal warranty/guarantee etc. as mentioned in the quote. Brochures mentioned and product details must be attached.
- 5.21.** Validity Period of Contract shall be up to two year.
- 5.22.** The items quantities against each items are tentative and, supply order will be issued as per requirement which may be increased or decreased or may not ordered any item at all.
- 5.23** Vendor will be responsible to provide authorized Distributer /Seller/ Partner letter (MAL) where required.
- 5.24** University may select the whole proposal offered by vendor which is lowest or choose the individual items from lowest price.

6. Tender Evaluation Criteria

All bids shall be evaluated on technical and financial merit. The Company Evaluation will be performed by the IT Technical / Inspection Committee for IT items and Networking Committee of Network items. Technical evaluation process may include, but not limited to the consideration of the following with respect to the functional requirements given ahead:

- a. Technical specifications of proposed item
- b. Company Profile
 - I. Age of the company
 - II. Financial strength of the bidder

Financial Evaluation process will be based on the consideration of the quoted price.

7. Undertaking

On behalf of the company it is certified that we agree to the all the Instructions and Terms & Conditions given in this Tender Document

Name of bidder.....

Authorized person.....

Authorized signature.....

Stamp.....

Office Address.....

Tel No

Fax

E-Mail

Company Evaluation Criteria

- i. Profile of company complete in all respect
- ii. List of Previous/Current customers, Purchase Orders of related Services with contact person and telephone/fax numbers.
- iii. Copy of National Tax Registration Certificate or Copy of Online Taxpayer Verification
- iv. Copy of Sales Tax Registration Certificate or Copy of Online Active Taxpayer
- v. Bank letter of financial standing /Bank Statement
- vi. An affidavit on Rs 100/- Stamp Paper issued after date of publishing of tender which illustrate that currently they are not blacklisted or de-barred by any Government/Semi Government Department to participate in bidding. Failure to submit such affidavit may lead to disqualification.
- vii. Detailed item specifications or Services matched corresponding to the BOQ as given at

Tender A,B and C

- viii. Proposed delivery, response time, plan for rendering service
- ix. Authorization Letter from Manufacturers where Applicable
- x. Signed and Stamped Complete Tender document
- xi. Bank Draft of the Earnest Money

Note: Basic Evaluation Criteria is mandatory to fulfill to qualify for detailed evaluation. Failure to meet and submit all documents related to basic evaluation may lead to disqualification. ‘



\The Islamia University of Bahawalpur

TENDER NOTICE

INVITATION FOR BIDS

Sealed Tenders are invited from GST & Income Tax registered Manufacturer/Firms or their Authorized Distributors/Dealers/Suppliers for Supply of **IT, Networking and Misc Items**, for Directorate of IT of the Islamia University of Bahawalpur on FOR and C&F Basis for Tender A and FOR Basis for Tender B and C as per detail given below:-

Tender -No.	Category (Specifications in Tender Documents)	Estimated Cost	02% Bid Security (CDR)
A	IT Items for Directorate of IT:	Rs. 114,975,900 /-	Rs.2299518 /-
B	Networking Items for Directorate of IT	Rs.87,999,600/-	Rs.1759992/-
C	Misc Items for Directorate of IT	Rs. 72,681,900/-	Rs.1453638/-

- Interested bidders may get the Tender Documents containing detailed specifications, terms and conditions from the Purchase Section, Treasurer's Office Abbasia Campus, the Islamia University of Bahawalpur during office hours 8:00 A.M. to 4:00 P.M. on submission of written application on letter head and a copy of CNIC OR can be down loaded from the IUB Website www.iub.edu.pk or PPRA website www.ppra.punjab.gov.pk on payment of (nonrefundable fee) Rs.1000/- through HBL Bank challan in A/C 14730000010403 or pay order in the name of the Treasurer Islamia University of Bahawalpur.
- 2% bid security (re-fundable)** of the total estimated cost as mentioned above in shape of CDR shall be attached with the bid, otherwise bid will not be entertained.
- Single Stage Two Envelope** bidding procedure will be adopted as per PPRA Rules.
- Procurement shall be governed under the Punjab Procurement Rules 2014.
- The rates should be quoted inclusive all taxes. Copy of paid bank challan Professional tax also be Provided.
- The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any bidder, the grounds for rejection of all bids or proposals, but shall not be required to justify those grounds.
- Tender must reach in the Treasurer's Office on or before **28.10.2020** by **11:00 A.M.** which will be opened on the same day at **11:30 AM** in the presence of bidders or their representatives.
- All bids submitted after the given time, incomplete and alternate bidding shall not be accepted.
- All prevailing taxes will be applicable as per Govt. Rules & Regulations, i.e. (income tax, Sales tax, etc).
- In case of closed/forced holidays, tender opening time/date will be considered as the next working day.



Treasurer
The Islamia University of Bahawalpur
Abbasia Campus, Bahawalpur.
Phone: 062-9250245, 9250328
Fax No: 062-9250255



The Islamia University of Bahawalpur

PROCUREMENT OF IT ITEMS
Tender -A

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challan No. & amount _____ CDR No. & Amount _____
6. General Sale Tax No: _____ 7. Income Tax No. _____
8. Professional Tax No: _____

Sr. #	Items	Qty	Rate per Items	
			FOR Basis	C&F Basis
1.	<p><u>Computers</u></p> <p><u>Computer micro form factor core i7</u></p> <p>Chassis: MFF (Micro Form Factor) Chassis</p> <p>Chipset: Intel® Q470 Chipset</p> <p>Processor: 10th gen Intel® i7 10700T</p> <p>Memory: 8GB DDR4 2666/2933 MHz or more</p> <p>Storage: 256GB M.2 NV Me PCIe SSD, Intel Optane ready</p> <p>Ports:</p> <p>1 x RJ-45 port 10/100/1000 Mbps (rear)</p> <p>1 x USB 3.2 Gen1 Type-A port with Power Share (front)</p> <p>1 x USB 3.2 Gen2 Type-C port (front)</p> <p>3 x USB 3.2 Gen1 Type-A ports (rear)</p> <p>1 x USB 3.2 Gen1 Type-A port with Smart Power on (rear)</p> <p>1 x Universal Audio Jack (front)</p> <p>1 x Line-out port (front)</p> <p>2 x DisplayPort 1.4 ports (rear)</p> <p>1 x VGA Port/DisplayPort 1.4 Port/HDMI 2.0b Port/ USB 3.2 Gen2 Type-C Port with Alt-mode (optional)</p> <p>Security: TPM 2.0, standard security lock slot</p> <p>Wireless Card: Intel® Wi-Fi 6 AX201 2x2 (Gig+) + Bluetooth</p> <p>Keyboard Mouse: Standard, Included</p> <p>Power Adapter: Compatible or 90W 4.5mm</p> <p>Weight: 1.16kg</p> <p>Dimensions: Front Height: 7.16inch Rear Height: 7.16inch, Width Height: 1.42inch</p> <p>Ecosystem: Cable Covers, Micro VESA Mount for LCD, Micro Vertical Stand</p> <p>Warranty: 3 Years Standard</p> <p><u>LED Monitor 22”:</u></p> <p>Maximum Preset Resolution: 1920 x 1080 at 60 Hz</p> <p>Aspect Ratio: 16:9</p> <p>Pixel Pitch: 0.248 mm x 0.248 mm, Pixel/ Inch (PPI) : 102</p> <p>Brightness: 250 cd/m² (typical)</p> <p>Color Support: Color gamut (typical): 83% (CIE1976) 72% (CIE1931) Color depth: 16.7 Million</p> <p>Contrast Ratio: 1000:1 (typical)</p> <p>Viewing Angle: 160°/170°</p> <p>Display Screen Coating: Anti-Glare</p> <p>Connectors: 1 X VGA</p> <p>1 X DisplayPort 1.2</p> <p>HDCP Support: DisplayPort HDCP 1.2</p> <p>Security: Security lock slot (cable lock sold separately)</p> <p>Cables: Power cables</p> <p>1 X DP Cable (DP to DP)</p> <p>1 X VGA Cable (EMEA and Japan only)</p> <p>1 X VESA screw cover</p> <p>Dimensions (with stand)</p> <p>Height 399.30 mm (15.64 inches), Width 512.2 mm (20.17 inches), Depth 171.0 mm (6.73 inches)</p> <p>Warranty: 3 Years Advanced Exchange Service and Limited Hardware Warranty</p> <p>Region: Malaysia/China/ Singapore</p>	150		

2	<p><u>Computers</u></p> <p><u>Computer micro form factor core i5</u></p> <p>Chassis: MFF Chassis (Micro Form Factor) 7.2x1.4x7.0 Inch / 183x36x178mm</p> <p>Chipset: Intel® B460 Chipset</p> <p>Processor: 10th Gen Intel® Ci5 10500T</p> <p>Memory: 8GB 2666 MHz DDR4 or more</p> <p>Storage: 256GB M.2 NVme PCie SSD, 1 x 2.5" HDD Bay</p> <p>Video Ports: DP/HDMI and optional VGA, HDMI 2.0b</p> <p>Additional ports: RJ-45, Serial/PS2 (optional), Serial (optional on Micro), UAJ headphone, line out.</p> <p>Add-in cards: USB Type-C 3.2 PCle, USB Type-A 3.2 Gen 2 PCle</p> <p>USB: 6 External USB: 4 x 3.2 Gen 1 (2 front/2 rear) and 2 x 2.0 (2 rear)</p> <p>Graphics: Intel® Integrated graphics 610/630</p> <p>LAN: Ethernet LAN 10/100/1000</p> <p>Security: TPM 2.0, standard security lock slot, padlock loop, Intrusion switch, SED hard drive, Cable Covers Micro</p> <p>Wi-Fi: Intel® Wi-Fi 6 AX201 2x2 (Gig+) + Bluetooth 5.0</p> <p>Power Supply: Micro: 65W external adapter with 87% minimum average efficiency</p> <p>Ecosystem: VESA mount bracket through which Micro PC to be mounted to back of Monitors.</p> <p>Systems Management: In-band manageability</p> <p><u>LED Monitor 22":</u></p> <p>Maximum Preset Resolution: 1920 x 1080 at 60 Hz</p> <p>Aspect Ratio: 16:9</p> <p>Pixel Pitch: 0.248 mm x 0.248 mm</p> <p>Pixel Per Inch (PPI): 102</p> <p>Brightness: 250 cd/m² (typical)</p> <p>Color Support: Color gamut (typical): 83% (CIE1976) 72% (CIE1931) Color depth: 16.7 Million</p> <p>Contrast Ratio: 1000:1 (typical)</p> <p>Viewing Angle: 160°/170°</p> <p>Display Screen Coating: Anti-Glare</p> <p>Connectors: 1 X VGA 1 X DisplayPort 1.2</p> <p>HDCP Support: DisplayPort HDCP 1.2</p> <p>Security: Security lock slot (cable lock sold separately)</p> <p>Cables: Power cables 1 X DP Cable (DP to DP) 1 X VGA Cable (EMEA and Japan only) 1 X VESA screw cover</p> <p>Dimensions (with stand)</p> <p>Height 399.30 mm (15.64 inches), Width 512.2 mm (20.17 inches), Depth 171.0 mm (6.73 inches)</p> <p>Warranty: 3 Years Advanced Exchange Service and Limited Hardware Warranty</p> <p>Region: Malaysia/China/ Singapore</p>	150		
3	<p><u>Computers</u></p> <p><u>Computer micro form factor core i3</u></p> <p>Chassis: MFF Chassis (Micro Form Factor) Dimension: 7.2x1.4x7.0 Inch / 183x36x178mm</p> <p>Chipset: Intel® B460 Chipset</p> <p>Processor: 10th Gen Intel® Ci3 10100T</p> <p>Memory: 8GB 2666 Mhz DDR4 or more</p> <p>Storage: 256GB M.2 NVme PCie SSD, 1 x 2.5" HDD Bay</p> <p>Video Ports: DP/HDMI and optional VGA, HDMI 2.0b</p> <p>Additional ports: RJ-45, Serial/PS2 (optional), Serial (optional on Micro), UAJ headphone, line out.</p> <p>Add-in cards: USB Type-C 3.2 PCle, USB Type-A 3.2 Gen 2 PCle</p> <p>USB: Micro 6 External USB: 4 x 3.2 Gen 1 (2 front/2 rear) and 2 x 2.0 (2 rear)</p> <p>Graphics: Intel® Integrated graphics 610/630</p> <p>LAN: Ethernet LAN 10/100/1000</p> <p>Security: TPM 2.0, standard security lock slot, padlock loop, Intrusion switch, SED hard drive, Cable Covers Micro</p> <p>Wi-Fi: Intel® Wi-Fi 6 AX201 2x2 (Gig+) + Bluetooth 5.0</p> <p>Power Supply: Micro: 65W external adapter with 87% minimum average efficiency</p> <p>Ecosystem: VESA mount bracket through which Micro PC to be mounted to back of Monitors.</p> <p>Systems Management: In-band manageability</p> <p>Warranty: 3 years</p> <p><u>LED Monitor 22":</u></p> <p>Maximum Preset Resolution: 1920 x 1080 at 60 Hz</p> <p>Aspect Ratio: 16:9</p> <p>Pixel Pitch: 0.248 mm x 0.248 mm</p> <p>Pixel Per Inch (PPI) : 102</p> <p>Brightness: 250 cd/m² (typical)</p> <p>Color Support: Color gamut (typical): 83% (CIE1976) 72% (CIE1931) Color depth: 16.7 Million</p> <p>Contrast Ratio: 1000:1 (typical)</p> <p>Viewing Angle: 160°/170°</p> <p>Display Screen Coating: Anti-Glare</p>	150		

	Connectors: 1 X VGA 1 X DisplayPort 1.2 HDCP Support: DisplayPort HDCP 1.2 Security: Security lock slot (cable lock sold separately) Cables: Power cables 1 X DP Cable (DP to DP) 1 X VGA Cable (EMEA and Japan only) 1 X VESA screw cover Dimensions (with stand) Height 399.30 mm (15.64 inches), Width 512.2 mm (20.17 inches), Depth 171.0 mm (6.73 inches) Warranty: 3 Years Advanced Exchange Service and Limited Hardware Warranty Region: Malaysia/China/ Singapore			
4	<u>Laptops</u> <u>Laptop Core™ i3</u> Processor: 10th gen Intel® Core™ i3, 10110U Memory: 8GB DDR4 2666Mhz or more Storage: M.2 256 GB PCIe NVMe Class 35 SSD Display: 15.6", 16:9, HD (1366x768), Anti-Glare Graphics: Intel Integrated Graphics Wireless: Intel® Wi-Fi 6 AX201+Bluetooth Security: TPM 2.0, FIPS 140-2 Certified, TCG Certified Input: Single Pointing Spill Resistant Backlit Keyboard with Num Pad Battery: 50 Whr or above Express Charge Capable Power: Adapter 65W adapter 4.5mm barrel Ports: •1x USB Type C™ 3.1 Gen 1 w/ Power Delivery •2x USB 3.1 Gen 1 (one with Power Share) •1x USB 2.0 •1x HDMI 1.4 •1x Flip-Down RJ-45 w/ status LED •1x Micro SD Card Reader 3.0 •1x Universal Audio Jack •1x Optional Touch Fingerprint Reader in Power Button • Wedge-shaped Lock Slot • 4.5mm adapter port w/ status LED Bag: 1 Branded Bag Dimensions: Front Height: 17.97 mm (0.71"), Width: 361.40 mm (14.23") Depth: 247.85 mm (9.76"), Weight: 1.9 kg (4.2 lbs.) Warranty: 3 Years Advanced Exchange Service and Limited Hardware Warranty Region: Malaysia/China/ Singapore	150		
5	<u>Laptops</u> <u>Laptop Core™ i5</u> Processor: 10th gen Intel® Core™ i5, 10210U Memory: 8GB DDR4 2666Mhz or more Storage: M.2 256 GB PCIe NV Me SSD Display: 15.6", 16:9, HD (1366x768), Anti-Glare Graphics: Intel Integrated Graphics & Nvidia MX230 GDDR5 2GB Discrete graphic Wireless: Intel® Wi-Fi 6 AX201+Bluetooth Security: TPM 2.0, FIPS 140-2 Certified, TCG Certified Input: Single Pointing Spill Resistant Backlit Keyboard with Num Pad Battery: 50 Whr or above Express Charge Capable Power: Adapter 65W adapter 4.5mm barrel Ports: •1x USB Type C™ 3.1 Gen 1 w/ Power Delivery •2x USB 3.1 Gen 1 (one with Power Share) •1x USB 2.0 •1x HDMI 1.4 •1x Flip-Down RJ-45 w/ status LED •1x Micro SD Card Reader 3.0 •1x Universal Audio Jack •1x Optional Touch Fingerprint Reader in Power Button • Wedge-shaped Lock Slot • 4.5mm adapter port w/ status LED Bag: 1 Branded Bag Dimensions: Front Height: 17.97 mm (0.71") Width: 361.40 mm (14.23") Depth: 247.85 mm (9.76") Weight: 1.9 kg (4.2 lbs.) Warranty: 3 Years Advanced Exchange Service and Limited Hardware Warranty Region: Malaysia/China/ Singapore	150		
6	<u>Multimedia Projector</u> Display System: 3 LCD System LCD Panel: 0.55 inch with MLA (D10) Color Light: Output 3,500 lumen- 2,230 lumen (economy) Resolution: XGA, 1024 x 768, 4:3 Contrast Ratio: 15,000 : 1 Lamp: UHE, 210 W, 6,000 h durability, 12,000 h durability (economy mode) Color Reproduction: Up to 1.07 billion colors Aspect Ratio: 4:3 Projection Ratio: 1.48 - 1.77:1 USB Display Function: 3 in 1: Image / Mouse / Sound Interfaces: USB 2.0 Type A, USB 2.0 Type B, RS-232C, Wireless LAN IEEE 802.11b/g/n (optional), VGA in (2x), VGA out, HDM Energy Use: 309 W, 227 W (economy), 0.2 W (standby) Product dimensions: 302 x 249 x 92 mm (Width x Depth x Height) Warranty: 36 months Region: Malaysia/China/ Singapore	150		

7	<p>Computers</p> <p><u>Computer micro form factor core i5</u></p> <p>Chassis: MFF Chassis (Micro Form Factor) 7.2x1.4x7.0 Inch / 183x36x178mm</p> <p>Chipset: Intel® B460 Chipset</p> <p>Processor: 10th Gen Intel® Ci5 10500T</p> <p>Memory: 8GB 2666 MHz DDR4 or more</p> <p>Storage: 256GB M.2 NVme PCIe SSD, 1 x 2.5" HDD Bay</p> <p>Video Ports: DP/HDMI and optional VGA, HDMI 2.0b</p> <p>Additional ports: RJ-45, Serial/PS2 (optional), Serial (optional on Micro), UAJ headphone, line out.</p> <p>Add-in cards: USB Type-C 3.2 PCIe, USB Type-A 3.2 Gen 2 PCIe</p> <p>USB: 6 External USB: 4 x 3.2 Gen 1 (2 front/2 rear) and 2 x 2.0 (2 rear)</p> <p>Graphics: Intel® Integrated graphics 610/630</p> <p>LAN: Ethernet LAN 10/100/1000</p> <p>Security: TPM 2.0, standard security lock slot, padlock loop, Intrusion switch, SED hard drive, Cable Covers Micro</p> <p>Wi-Fi: Intel® Wi-Fi 6 AX201 2x2 (Gig+) + Bluetooth 5.0</p> <p>Power Supply: Micro: 65W external adapter with 87% minimum average efficiency</p> <p>Ecosystem: VESA mount bracket through which Micro PC to be mounted to back of Monitors.</p> <p>Systems Management: In-band manageability</p> <p><u>LED Monitor 22":</u></p> <p>Maximum Preset Resolution: 1920 x 1080 at 60 Hz</p> <p>Aspect Ratio: 16:9</p> <p>Pixel Pitch: 0.248 mm x 0.248 mm</p> <p>Pixel Per Inch (PPI): 102</p> <p>Brightness: 250 cd/m² (typical)</p> <p>Color Support: Color gamut (typical): 83% (CIE1976) 72% (CIE1931) Color depth: 16.7 Million</p> <p>Contrast Ratio: 1000:1 (typical)</p> <p>Viewing Angle: 160°/170°</p> <p>Display Screen Coating: Anti-Glare</p> <p>Connectors: 1 X VGA 1 X DisplayPort 1.2</p> <p>HDCP Support: DisplayPort HDCP 1.2</p> <p>Security: Security lock slot (cable lock sold separately)</p> <p>Cables: Power cables 1 X DP Cable (DP to DP) 1 X VGA Cable (EMEA and Japan only) 1 X VESA screw cover</p> <p>Dimensions (with stand)</p> <p>Height 399.30 mm (15.64 inches), Width 512.2 mm (20.17 inches), Depth 171.0 mm (6.73 inches)</p> <p>Warranty: 3 Years Advanced Exchange Service and Limited Hardware Warranty</p> <p>Region: Malaysia/China/ Singapore</p>	180		
---	---	-----	--	--



The Islamia University of Bahawalpur

PROCUREMENT OF NETWORKING ITEMS

Tender -B

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challan No. & amount _____ CDR No. & Amount _____
6. General Sale Tax No: _____ 7. Income Tax No. _____
8. Professional Tax No: _____

Sr No	Item	Description	Qty	Rate per Item with all Taxes
1	UPS	UPS/ Solor Inverter 1000 Watts With Battery Bank & Two hour backup on full Load	100	
2	UPS	UPS/ Solor Inverter 3000 Watts With Battery Bank & Two hour backup on full Load	10	
3	UPS	UPS/ Solor Inverter 5000 Watts With Battery Bank & Two hour backup on full Load	10	
4	Wall Mount Rack 6U	Easy wall mount rack with double lock & key, cooling fans with on/off button, with front & back door open, cable entry on top & bottom cover, front toughened glass door,	20	
5	Wall Mount Rack 9U	Easy wall mount rack with double lock & key, cooling fans with on/off button, with front & back door open, cable entry on top & bottom cover, front toughened glass door,	150	
6	UPT Cat-6A	Cat-6A 10 Giga Supported LSZH 23 AWG (Box) Red=2500, Yellow=2500, Orange=2500, Black=2500	1000	
7	UTP Cable Manager 48	48 wire organizer, Cambridge Cable Manager with front cover	75	
8	UTP Cable Manager 24	24 wire organizer, Cambridge Cable Manager with front cover	75	
9	UTP Patch Panel	48 port UTP Patch Panel with Cat-6 I/O	75	
10	UTP Patch Panel	24 port UTP Patch Panel with Cat-6 I/O	75	
11	Patch Cord	1 Meter UTP Cat-6 Patch Cord with 10 Giga Supported	150	
12	Patch Cord	3 Meter UTP Cat-6 Patch Cord with 10 Giga Supported	20	
13	Patch Cord	5 Meter UTP Cat-6 Patch Cord with 10 Giga Supported	50	
14	Patch Cord	10 Meter UTP Cat-6 Patch Cord with 10 Giga Supported	50	
15	Duct Patti (40x40)	Adamjee/Dura Duct 40x40 (Feet), Highly durable, will not crack, highest level of quality & safety	10000	
16	Duct Patti (16x25)	Adamjee/Dura Duct 40x40 (Feet), Highly durable, will not crack, highest level of quality & safety	10000	

17	Face Plate	Single Faceplate with 2 port of Cat-6 UTP I/O Jack Tool less & back box	3000	
18	RJ-45 Connector	RJ-45 Connector for cat-6 UTP cable (Box)	50	
19	Flexible Pipe	Flexible Pipe Plastic size 1 1/2" (Meter)	2000	
20	Screw with Rawal Plug	1 1/2" 8-no, with Rawal plug	50000	
21	Fiber Optic Cable	08 Core SM OS2, LSZH, 10GBase, Loose Tube, Gel-Free, All-Dielectric Cable with Fast Access, Waterproof, Indoor/Outdoor/Arial Cable (Meter)	10000	
22	Fiber Optic Cable	12 Core SM OS2, LSZH, 10GBase, Loose Tube, Gel-Free, All-Dielectric Cable with Fast Access, Waterproof, Indoor/Outdoor/Arial Cable (Meter)	20000	
23	Fiber Optic Cable	24 Core SM OS2, LSZH, 10GBase, Loose Tube, Gel-Free, All-Dielectric Cable with Fast Access, Waterproof, Indoor/Outdoor/Arial Cable (Meter)	5000	
24	Fiber Optic Cable	48 Core SM OS2, LSZH, 10GBase, Loose Tube, Gel-Free, All-Dielectric Cable with Fast Access, Waterproof, Indoor/Outdoor/Arial Cable (Meter)	5000	
25	Fiber Optic Cable	96 Core SM OS2, LSZH, 10GBase, Loose Tube, Gel-Free, All-Dielectric Cable with Fast Access, Waterproof, Indoor/Outdoor/Arial Cable (Meter)	5000	
26	Fiber Optic Cable	144 Core SM OS2, LSZH, 10GBase, Loose Tube, Gel-Free, All-Dielectric Cable with Fast Access, Waterproof, Indoor/Outdoor/Arial Cable (Meter)	5000	
27	PVC Pipe	PVC pipe for optical fiber 12 core (Meter)	12000	
28	Optical distribution frame	Rack Mount 04-06 port ODF pre-installed LC/UPC pigtails and SM duplex adapters	150	
29	Optical distribution frame	Rack Mount 24-port ODF pre-installed LC/UPC pigtails and SM duplex adapters with Multiple Fiber IN.	48	
30	Fiber Patch Cord	LC to LC 10 Giga Fiber Patch Cord (1 meter)	450	
31	Fiber Patch Cord	LC to LC 10 Giga Fiber Patch Cord (3 meter)	25	
32	Fiber Patch Cord	LC to LC 10 Giga Fiber Patch Cord (6 meter)	50	
33	Fiber Patch Cord	LC to LC 10 Giga Fiber Patch Cord (10 meter)	100	
34	Joint kits	24 Core Joint Kit Fiber Optic Splice Enclosures, quantity 3 in 3 out (6 fibers)	60	
35	Caution Tape	Optical Fiber Caution Tape (meter)	12000	
36	Land Marks	Optical Fiber Concrete Land Marks	300	

37	IP Camera	Dahua, 1/3" 4Megapixel progressive CMOS, H.265 & H.264 dual-stream encoding, 20fps@4M(2688×1520) & 25/30fps@3M(2304×1296), WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC, Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS, 2.8 mm fixed lens (3.6 mm optional), Max IR LEDs Length 30m, IP67, PoE	300	
38	IP Camera	Dahua, 4MP Varifocal Lens Day/Night bullet Camera 4MP (2560 × 1440)@25/30 fps, max. supports, 4MP (2688 × 1520)@20 fps, max IR distance: 50 m, SMART H.264/H.265,WDR, 3D DNR, HLC, BLC, Intelligent detection: Intrusion, tripwire, Max. 256 GB SD card, 12V DC/POE power support, IP67 protection	300	
39	IP PTZ Camera	Dahua 30x optical zoom, H.265, IVS, Auto-tracking, IR Distance up to 100m, -40°C~ 70°C wide temperature range, IP66, POE+	20	
40	NVR	512Mbps input, 24ch 1080P decoding, max 256 IPC input, H.265&H.264, 16 HDD, 1 VGA&3 HDMI, 4 RJ45, 4 USB (2x USB3.0), 2 SAS3.0, RAID0/1/5/6/10, LCD Screen, redundant power	2	
41	NVR	320Mbps input, 16ch 1080P decoding, max 64 IPC input, H.265+&H.264+, 8 HDD, 2 VGA&2 HDMI, 2 RJ45(1000M), 4 USB (2x USB3.0), 1 eSATA, Smart 2.0, fisheye dewarp, face detection, ANPR, POS, P2P	6	
42	NVR	320Mbps input, 16ch 1080P decoding, max 32 IPC input, H.265+&H.264+, 8 HDD, 2 VGA&2 HDMI, 2 RJ45(1000M), 4 USB (2x USB3.0), 1 eSATA, Smart 2.0, fisheye dewarp, face detection, ANPR, POS, P2P	12	
43	NVR	16ch 1080P decoding, H.265+&H.264+, 2 HDD, VGA & HDMI, RJ-45, USB,	20	
44	Hard Drive	Surveillance Grade Hard Drive 8TB	64	
45	PoE Switch	8 port All PoE Switch	20	
46	PoE Switch	16 port All PoE Switch	10	
47	Access Point	Access Point 802.11a/b/g/n/ac Wave2 wireless, Gigabit LAN (supports PoE), 2 x internal dual-band 3dBi omni antennas, 2.4 GHz band, 5 GHz band	150	

48	VOIP Phone	Protocols/Standards SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (Arecord, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, SIMPLE, LLDPMED, LDAP, TR-069, 802.1x, TLS, SRTP, CDP/SNMP/RTCP-XR Network Interfaces Dual switched auto-sensing 10/100 Mbps Ethernet ports, integrated PoE Graphic Display 132 x 48 (2.95'')	150	
49	RFID/MIFARE Card	125kHz EM or 13.56Mhz MIFARE, MIFARE Plus, DESFire EV1/EV21), FeliCa	10000	
50	RFID/PVC Card Printer	Professional level dual sided card printer HDP5000	2	
51	Color Ribbon for Printer	Color Ribbon for 500 images/sides part no 084051	100	
52	Film for Card Printer	Re-Transfer film for 1500 images/sides part no 084053	50	
53	RFID/PVC Card Printer	Slandered Level SMART 51D dual sided card printer	2	
54	Color Ribbon for Printer	Ribbon YMCK for 250 images/sides	100	
55	Film for Card Printer	HPF Security Film 250 Sides	100	
56	Bio Metric Machine	User Input 1:1 500,000, 1:N 100,000, 1:150,000 Match in 1 Second, IK09 Vandal-proof, IP67, Dust & Water Proof, Dual Frequency, Multi-Smartcard Reader, Live Finger Detection Technology, Power over Ethernet, 125kHz EM & 13.56Mhz MIFARE, MIFARE Plus, DESFire EV1/EV21), FeliCa, NFC, 1.2 GHz Quad Core CPU, 2GB Flash + 256 MB RAM, Multiple colors LED, Multi-tone Buzzer,	50	
57	Leader	Aluminum Light Weight Leader 10 Feet	4	
58	Leader	Aluminum Light Weight Leader 6 Feet	4	
59	Screw Driver Set	6 PC all size Screw Driver set Imported	6	
60	Hammer	Hammer with nail puller	6	
61	Hammer	Hammer Small Size	6	
62	Hammer	Hammer Large Size	6	
63	Fiber Cutter	12mm Fiber Cutter	2	
64	PDU	Vertical Type, 12-16 Power Sockets (IEC C14 to C13), 6-8 KW Power Capacity, 1-Phase (L-N), Input plug Type: iec 230v/32a 2p+e 6hr,	18	
65	Power Cord for Server	Heavy Duty PDU Power Cord, C14 to C13 - 15A, 250V, 14 AWG, 10 ft.	250	
66	Outdoor Fiber Distribution Cabinets	144 Fiber Capacity GEN III Series Outdoor Cabinets,	10	



The Islamia University of Bahawalpur

PROCUREMENT OF MISC ITEMS

Tender -C

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challan No. & amount _____ CDR No. & Amount _____
6. General Sale Tax No: _____ 7. Income Tax No. _____
8. Professional Tax No: _____

S/No.	Item / Description	Qty	Rate per Item with all Taxes
1	ATX/Standard Power Supply 24pin (500-watt min)	50	
2	Soldering Wire (100 g) 60/40 + paste	20	
3	Crimping Tool for 4-wire RJ11, 6-wire RJ12 and 8-wire RJ45 modular plugs, Strips flat modular and round network cable, such as Cat5e and Cat6, Single blade, Sturdy construction designed to last a long time, Easy-grip handle	20	
4	Black & Decker Electric Blower - Ktx5000 Blower Type: Air Blower Air Volume : 3.5m / min Voltage: 220V Power: 600W No Load Speed: 16000 rpm Cord Length: 3 Meters	10	
5	Connector RJ-45 Box (100 connectors) Copper Pin	20	
6	LAN Cable Tester 4-in-1 Remote Network Cable Wire Tester by UNI-T - Detector for RJ-45 RJ-11 USB BNC LAN Cable with Easily Visible LED Screen Displays Connection.	10	
7	Sheet-feed Scanner Color Scanning Yes Scan Technology CMOS CIS Scan Type Sheetfed Scan Resolution Hardware: Up to 600 dpi (color and mono, Sheet-feed); Optical: Up to 600 dpi (color and mono, Sheet-feed) Scan File Format For text & images: PDF, JPEG, PNG, BMP, TIFF, Text (.txt), Rich Text (rtf) and Searchable PDF Scan Input Modes One default scan mode on front-panel for HP scan in Win OS, HP Easy Scan/ICA in Mac OS and third parties applications via TWAIN, ISIS and WIA Scan Speed Up to 35 ppm/70 ipm Scan Size Maximum ADF: 8.5 x 122 in Scanner Advanced Features Auto-color detect, auto-crop, auto-exposure, auto orient, OCR, edge removal, background cleanup, remove hole, color drop out, straighten the page, scan to cloud, scan to email, PDF security, misfeed detection advance setting Auto Document Feeder Capacity 50 sheets of Xerox 4024 75 g/m ² paper Output Resolution Dpi Settings 75; 150; 200; 240; 300; 400; 500; 600 ppi Twain Version TWAIN version 2.1	5	

	<p>Bit depth / Grayscale levels 24-bits external 48-bits internal; 256</p> <p>Connectivity Standard: USB 2.0 and USB 3.0 (SuperSpeed); Optional: USB 2.0 port for Wi-Fi accessory</p> <p>External I/O Ports 1 x USB 3.0 and 1 x USB 2.0 port</p> <p>Memory Standard: 512 MB</p> <p>Processor Speed 550 MHz</p> <p>Duty Cycle (daily) Recommended for 3,500 pages</p> <p>Media Types Cut Sheet Paper, Printed Paper (Laser and ink), Pre-Punched Paper, Bank Checks, Business Cards, Freight Bills, Carbonless forms, Previously stapled media with staple removed</p> <p>Media Weights 10.7 to 110 lb</p> <p>Media Sizes U.S.-Letter: 215.9 x 279.4 mm (8.5 x 11 in); U.S.-Legal: 215.9 x 355.6 mm (8.5 x 14 in); U.S.-Executive: 184.2 x 266.7 mm (7.25 x 10.5 in); ISO A4: 210 x 297 mm (8.3 x 11.7 in); JIS B5: 182 x 257 mm (7.2 x 10.1 in); ISO B5: 176 x 250 mm (7.0 x 9.9 in); ISO A5: 148 x 210 mm (5.8 x 8.3 in); ISO A6: 105 x 148 mm (5.8 x 4.1 in); ISO A7: 74 x 104 mm (2.9 x 4.1 in); ISO A8: 52 x 74 mm (2.0 x 2.9 in)</p> <p>What's in the box L2753A Sheet-feed Scanner engine; Installation guide.</p> <p>Support flyer; Warranty guide; 2CDs; Power cord; USB cable; Power Adapter</p> <p>Product Dimensions W x D x H: 12.20 x 7.79 x 7.48 in; Maximum: 13.46 x 12.20 x 12.56 in</p> <p>Product Weight 7.5 lb</p> <p>Warranty Features One-year bench limited warranty whole unit replacement, phone, and Web support included.</p> <p>Control Panel Scan button, Cancel button, Power button with a LED and a LED for Error indication.</p> <p>Power Consumption: 4.2 watts (ready), 0.7 watts (sleep), 0.1 watts (off), 0.1 watts (auto-off)</p> <p>Operating Environment Operating Temperature Range: 50 to 95°F; Recommended Operating Temperature: 50 to 95°F; Storage Temperature Range: -40 to 140°F.</p> <p>Non-Operating Humidity Range: 0 to 90% RH (non-condensing); Operating Humidity Range: 15 to 80% RH (non-condensing); Recommended Humidity Operating Range: 15 to 80% RH (non-condensing)</p>		
8	9V battery (Alkaline)	100	
9	Pakistan Cables or Equivalent Telephone cable 2 pair roll (pure copper)	30	
10	Telephone set CLI display	30	
11	RJ 11 connector Box (100 connectors)	20	
12	Toolbox minimum size 17"x8"x8"	10	
13	Blank DVD (DVD-R)	500	
14	Transcend, SP, or Equivalent USB External Hard Drive 1TB, Shock Proof, 1 yr. Warranty	30	

15	Transcend or HP or equivalent USB External DVD-Rom	10	
16	SanDisk, or Equivalent Flash Drives 32GB (Original) - 5-year Warranty	100	
17	SanDisk, or Equivalent Flash Drives 64GB (Original) 5-year Warranty	50	
18	Drill Machine HD 5010 Torque 3.7 Nm, Power Rating 500 Watts, Chuck Size 10 mm, Chuck Type Keyed	10	
19	4 Ports USB 3.0 Hub with on/off button	20	
20	Tool / Laptop Bag Good quality	20	
21	Cable tie 20 Packet each (#5,6,7,8,10)	150	
22	Hard Drive SATA 1TB 6Gb/sec 7200RPM Condition new Warranty 1 Year	30	
23	SATA data Cables	50	
24	Printer Data Cable 4 pin USB Type A	100	
25	Power Cable 2 Pin Branded	200	
26	HDMI 2.0, Cable Length 1.5m, male to male	50	
27	VGA Cable 1.5M male to male pure copper	100	
28	Paint Brush soft 4"	10	
29	USB WIFI card Frequency 2.400-2.4835GHz Button WPS Button Antenna Type Detachable Omni Directional (RP- SMA) Antenna Gain 4dBi Transmit Power <20dBm Wireless Modes Ad-Hoc / Infrastructure mode Certification FCC, RoHS	100	
30	Toner (49-A) Original Black	100	
31	Toner (80-A) Original Black	100	
32	Toner 12A Original Black	50	
33	Toner Powder Ink 1 kg Original Black	100	
34	Toner (78-A) Original	50	
35	Toner (703/303) Original Black	100	
36	Toner (725) Original Black	40	
37	Toner 05-A (Original Black	40	
38	Toner (35A) Original Black	40	
39	Toner (53-A) Original Black	40	
40	Surgical Gloves Pack of 50	10	
41	Toner 17-A Original	40	
42	Apron Coat Black	5	
43	Toner 83-A Original Black	40	
44	Toner 85-A Original Black	40	

45	Mouse: Wireless Type: Wireless Connection: 2.4G Hz Ergonomic Design: Right-hand Fit Sensor: Optical Resolution: 5-Level Adjustable 2000 DPI Report Rate: 125 Hz Buttons No.: 7 Receiver: Nano USB Receiver Power Source: Lithium Battery	100	
46	Toner 19-A Original Black	40	
47	Toner 92-A Original Black	40	
48	Cartridge for Printer LINE PRINTER P8000 255048-402	10	
49	Toner COPIER SP8200 DN 820076, SP8200A	15	
50	Toner COPIER Pro 951 A3VV131, TN015, TN-015	15	
51	Toner Cartridge 312 Original Black	40	
52	Electrical Cable Roll 3/29 Pure Copper wire	30	
53	Electrical Cable Roll 7/44 Pure Copper wire	20	
54	Digital Multi Meter (uni-T) UT139C	10	
55	HDMI Cable 3M male to male	40	
56	Electrical Cable Roll 7/36 wire Pure Copper wire	20	
57	Multimedia Tripod Screen 8' x 6' with tripod	20	
58	Electrical Cable Roll 7/29 wire Pure Copper wire	40	
59	Keyboard USB Standard Keycaps: Round Edge Hotkeys: 12 FN Multimedia Hotkeys Character: Laser Engraving Splash Proof: Yes Adjustable Keyboard Legs: Yes Rating: 5 V / 30 mA Dimension: 454 x 154 x 29 mm Weight: 580 g Cable Length: 150 cm Hardware Connectivity: USB	150	
60	Optical mouse USB Type: Wired Ergonomic Design: Symmetric Sensor: Optical Resolution: 1000 DPI Buttons No.: 4 Port: USB Cable Length: 150 cm	300	
61	Wireless Presenter Color: Black Laser Class: Class 2 Laser Max Output: Less than 1mW Wave Length: 640~660nm (red light) Battery type: 2 AAA batteries Battery life (Laser pointer): 20-hour maximum Battery life (Presenter): 1050-hour maximum Wireless operating distance: Approx 10m 2 Wireless technology: 2.4 GHz wireless technology Height x Width x Depth: 1.49 in (37.8 mm) x 4.55 in (115.5 mm) x 1.08 in (27.4 mm)	20	

62	Book Binding Tape 2"	30	
63	AAA Alkaline Cell	200	
64	AA Alkaline Cell	100	
65	Soldering Iron 60W narrow bit with 2 spare bits	10	
66	Drill bits 4.5mm to 8mm (30 each size)	200	
67	PCI-e WIFI Card (300 Mbps + low profile) Interface: PCI Express(x1) Antenna Type Detachable Omni Directional (RP-SMA) Antenna Gain :2dBi Signal Rate 11n: Up to 300Mbps(dynamic) Transmit Power <20dBm(EIRP) Wireless Modes Ad-Hoc / Infrastructure mode Modulation Technology DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM Certification CE, FCC, RoHS Package Contents Wireless Adapter 2x Detachable Omni directional antenna Resource CD Quick Installation Guide	100	
68	Hard Drive 2.5 Enclosure USB 3.0 Compatible HDD Type 2.5 inch HDD / SSD Output USB3.0 Micro B Controller JMS578 Supported Capacity 4TB Dimension 124.5 x 79 x 13mm Safety Approval CE / FCC / RoHS	30	
69	Hard Drive 3.5 Enclosure USB 3.0	10	
70	Interchangeable Screwdriver Tool Set 31 in all	20	
71	Mouse Pads	100	
72	Power Extension 4 sockets with separate on/off button 4 Sockets multi plug capable 4 separate buttons 4 indication lights with custom 08 Meter wire	150	
73	USB WIFI Receiver High Gain Interface Mini USB Button WPS Antenna Type 2 x Detachable Omni Directional (RP-SMA) Antenna Gain 5dBi RxUp to 300Mbps Transmit Power <20dBm (EIRP, for countries using CE Standards) <27dBm (EIRP, for countries using FCC Standards) Package Contents TL-WN8200ND 2 x 5dBi Detachable Omni Directional Antennas Resource CD Quick Installation Guide 1.5m USB Extension Cable	40	
74	Molex to Sata Power Connector	50	
75	Tonner Refilling Bottle (1Kg)	05	
76	HDMI 2.0, 4K Cable Length 3m, male to male	30	
77	HDMI 2.0, 4K Cable Length 5m, male to male	15	
78	HDMI 2.0, 4K Cable Length 10m, male to male	10	
79	HDMI 2.0, 4K Cable Length 15m, male to male	10	
80	Type C to HDMI Converter	10	
81	Type C to USB A Hub	10	

82	960GB SSD SATA Read intensive 6Gbps 512, 2.5in hot-plug	10	
83	HDD 8TB 7.2K, RPM NLSAS12Gbps 512e, 3.5" hot-plug hard drive	10	
84	HDD 4TB 6Gbps 3.5" hot-plug Hard drive	10	
85	USB External Hard Drive 2TB, Shock Proof, 1 yr. Warranty	20	
86	<p>Printers Multifunction HP m26nw LaserJet pro MFP Printer</p> <p>Function: Print, Copy, Scan Connectivity Ports: Hi-Speed USB 2.0 port; built-in Fast Ethernet 10/100Base-TX network port; built-in Wi-fi 802.11b/g/n Wireless capability: Yes, built-in Wi-Fi 802.11b/g/n Maximum number of copies: Up to 99 copies Copy speed (black, normal): Up to 18 cpm Copy resolution: Up to 600 x 400 dpi Memory, standard: 128 MB Mobile printing capability: yes Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (Boot P, DHCP, Auto IP, Manual), IPv6 (Stateless Link-Local and via Router, State full via DHCPv6); Management: SNMPv1, HTTP Paper handling Input capacity: Up to 150 sheets Output capacity: Up to 100 sheets Physical dimensions Maximum dimensions (W x D x H, metric): 42 x 36.5 x 41 cm Maximum dimensions (W x D x H, U.S. standard): 16.5 x 17.2 x 16.1 in Weight (metric): 8.0 kg Number of print cartridges: 1 Black Print technology: Laser Duplex printing Manual duplex Print resolution (best) Up to 600 x 600 dpi Scan technology: CIS Scan resolution, hardware: Up to 1200 x 1200 Warranty 1 year Cable included: yes usb cable and power cable</p>	80	
87	<p>FUNCTIONS: Print, Copy, Scan MULTITASKING SUPPORTED: Yes FIRST PAGE OUT BLACK (A4, READY): As fast as 5.6 sec FIRST PAGE OUT BLACK (A4, SLEEP): As fast as 8.0 sec PRINT SPEED BLACK (ISO, A4): Normal: Up to 38 ppm FIRST PAGE OUT (READY): Black: As fast as 5.6 sec FIRST PAGE OUT (SLEEP): Black: As fast as 8.0 sec FIRST COPY OUTAs fast as 7.2 sec FIRST COPY OUT (SLEEP)As fast as 9.7 sec DUTY CYCLE (MONTHLY, A4) Up to 80,000 pages PRINT TECHNOLOGY Laser PRINT QUALITY BLACK (BEST) Up to 1200 x 1200 dpi, 600 x 600 dpi PRINT LANGUAGES PCL 5, PCL 6, postscript level 3 emulation, direct PDF (v 1.7) printing, URF, PCLM, PWG, Native Office DISPLAY 3" (7.5 cm) intuitive touchscreen Color Graphic Display (CGD) PROCESSOR SPEED1200 MHz AUTOMATIC PAPER SENSOR No EPRINT CAPABILITY Yes MOBILE PRINTING CAPABILITY E Print; Apple Air Print™; Mopria™-certified; Wireless Direct Printing; Google Cloud Print 2.0; Mobile Apps WIRELESS CAPABILITY Yes, built-in Wi-Fi; Authentication via WEP, WPA/WPA2,</p>	50	

	<p>WPA Enterprise; encryption via AES or TKIP; WPS; Wi-Fi Direct</p> <p>CONNECTIVITY, STANDARD</p> <p>1 Hi-Speed USB 2.0; 1 Host USB; 1 Gigabit Ethernet 10/100/1000T network; 1 Wireless 802.11b/g/n; Easy-access</p> <p>NETWORK READY</p> <p>Standard (built-in Ethernet, Wi-Fi) [Operates as both an AP (with Wi-Fi Direct) and STA]</p> <p>Replacement Cartridge: 26-A</p> <p>Paper handling tray: 100sheets try1, 250sheet try 2</p> <p>Duplex printing: Automatic</p> <p>Media Size: Tray 1: A4, A5, A6, B5 (JIS), Envelope B5, Envelope C5, Envelope DL, custom size; Tray 2 & Tray 3: A4, A5, A6, B5 (JIS), custom size</p> <p>Scanner type: flatbed, ADF</p> <p>Power consumption: 583watt</p> <p>USB cable: included</p> <p>Dimension: WxDxH inch: 16.54x15.35x12.72</p> <p>max dimension: WxDxH inch: 16.93x25x12.8</p>		
88	<p>Photo Copier</p> <p>RICOH MP 2501 SP</p> <p>Scanning Element Laser beam scanning</p> <p>Control Panel 4.3" color touch panel</p> <p>Color Black & White</p> <p>Output Speed Copy/Print 25 ppm</p> <p>First Page Out Time 6 seconds or less</p> <p>Resolution 600 x 600 dpi</p> <p>System Memory 1 GB RAM (shared)</p> <p>250 GB HDD (shared)</p> <p>Maximum Copy Quantity Up to 999</p> <p>Duplexing Automatic (Standard)</p> <p>Document Feeder Type Automatic Reversing Document Feeder (ARDF)</p> <p>Document Feeder Original Size 5.5" x 8.5" - 11" x 17" (A5 - A3)</p> <p>Supported Paper Sizes</p> <p>Standard Trays: 5.5" x 8.5" to 11" x 17" (A5 – A3)</p> <p>ARDF: 5.5" x 8.5" to 11" x 17" (A5 – A3)</p> <p>Maximum Paper Capacity 1,600 Sheets</p> <p>Standard: 250 sheets x 2 Trays + 100-Sheet Bypass Tray</p> <p>Standard Output Capacity 250 sheets (internal tray)</p> <p>Maximum Output Capacity 350 sheets (with 100-sheet 1 Bin Tray Option)</p> <p>Maximum Monthly Volume 10000</p> <p>Dimensions W x D x H 23.1" x 22.4" x 26.9" (587 mm x 568 mm x 683 mm) – includes ARDF</p> <p>Weight 114.0 lbs./51.7 kg</p> <p>Standard Features</p> <p>Auto Duplex, Auto Off Timer, Auto Paper Selection, Auto Start, Combine Copy, Electronic Sort, Image Rotation, Job Programs (25), Photo Mode, Series Copy, Simple Screen, User Codes (8 digits, 1,000 Personal Codes)</p> <p>Ethernet 10Base-T/100Base-TX, Gigabit Ethernet (1000Base-T)</p> <p>Mobile Printing Support Smart Device Connector app</p> <p>Printer Features Mobile Driver, Bonjour Support, Classification Code, PDF Direct Print, Windows Active Directory Support, DDNS Support, WS Printer, PCL Resident Font Adoption, Tray-Parameter Change from WebImageMonitor, XPS Support</p> <p>Scan Speed BW Full Color 50 ipm @ 300 dpi B&W (Letter/A4)</p> <p>25 ipm @ 300 dpi Full-Color (Letter/A4)</p> <p>Main: 11" (297 mm)</p> <p>Sub: 17" (432 mm)</p> <p>Standard Interfaces</p> <p>Ethernet 10Base-T/100Base-TX, Gigabit Ethernet (1000Base-T)</p> <p>Optional Interfaces</p>	20	

	Wireless LAN (IEEE 802.11a/b/g) Protocols TCP/IP (IPv4, IPv6), IPX/SPX ² File Formats Single/Multi Page TIFF, Single/Multi Page PDF, Single/Multi Page High Compression PDF and Single/Multi Page PDF/A; Single Page JPEG Scan Modes B&W: Text, Text/Line Art, Text/Photo, Photo, Grayscale Full-Color: Text/Photo, Glossy Photo, ACS Scan-to-USB/SD; Scan-to-Email (POP, SMTP, IMAP4); Scan-to-Folder (SMB/FTP/ NCP ²); Scan-to-URL ¹ Network TWAIN Scanning; WSD Scanner Scanning Features PDF Encryption, Drop Out Color Send, Scan-to-Email/SMB/FTP, LDAP Support, TWAIN Scanning Including Trolley		
89	131-A Toner pack of 4 cartridge (black, cyan, magenta, yellow)	1	
90	Toner Original (79-A)	100	
91	HP Original (26-A)	70	
92	Ricoh 2501 Copier MP2501 Toner	25	
93	Projector Screen 72" 6x6 feet with tripod stand	20	
94	Projector Screen 120inch 8x6 feet with tripod stand	20	
95	Projector Screen 150 Inch Electric Motorized 10x8 Feet	20	
96	Projector Screen 120 Inch Electric Motorized 8x6 Feet	20	
97	Projector ceiling mount kit with screws 2feet aluminum	15	
98	Projector ceiling mount kit with screws 3.3 feet aluminum	30	
99	HDMI 2.0, 4K Cable Length 20m, male to male	5	
100	Google Chromecast ULTRA 4K original Input: 110-240V AC 50/60Hz Power: 5 Volt DC, 1 amp Dimensions: Device: 2.29 x 2.29 x 0.53 in (58.20 x 58.20 x 13.70 mm) - not including cable and accessories Power cable: 2m (78.8 in) Resolution: Supports all resolutions up to 4K Ultra HD and high dynamic range (HDR) for superior picture quality Wireless Standards: 802.11ac Wi-Fi (2.4GHz/5GHz) 1x2 MISO Wi-Fi for high-performance streaming Power: Power supply required and included in the Chromecast Ultra box Ports and connectors: HDMI plugs directly into the TV, Micro-USB for power and data, Ethernet port on the power adapter for hard-to-reach Wi-Fi spots in your home	10	
101	Bar code scanner desktop Dimensions: 5.512 in. H x 3.232 in. W x 3.150 in Weight: 9.5 oz./269 g 1-D : UPC/EAN (UPCA/UPCE/UPCE1/ EAN-8/EAN-13/JAN-8/JAN-13 plus supplementals, ISBN (Bookland), ISSN, Coupon Code), Code 39 (Standard, Full ASCII, Trioptic, Code 32 (Italian Pharmacode), Code 128 (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codabar/NW7, 2 of 5 (Interleaved 2 of 5, Discrete 2 of 5,	20	

	IATA, Chinese 2 of 5, Matrix 2 of 5, Code 11), MSI Plessey, GS1 DataBar Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked) PDF417 (and variants) PDF417 (Standard, Macro), MicroPDF417(Standard, Macro), Composite Codes (CC-A, CC-B, CC-C) 2-D TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro) Interface: USB, RS-232, RS-485 (IBM 46xx Protocols), Keyboard Wedge		
102	Bar code scanner Handheld wireless Read 1D / 2D barcode Communication: 2.4 Ghz Wireless Scan mode: press the button 2200Mah battery capacity can be used continuously for up to 36 hours Can withstand good impact when falling from a height of 1m. Speed: 300 scan / sec	20	
103	Bar code scanner Handheld Dimensions (LxWxH) 198 mm x 78 mm x 56 mm (7.8" x 3.1" x 2.2") Weight 149 g (5.3 oz) Electrical Input Voltage 5 VDC + 0.25 V Operating Power 825 mW (165 mA @ 5 V) Standby Power 600 mW (120 mA @ 5 V) Host System Interfaces USB, RS232, Keyboard Wedge, IBM 46xx (RS485), OCIA, Laser Emulation, Light Pen Wand Emulation Environmental Operating Temperature 0°C to 40°C (32°F to 104°F) Storage Temperature -40°C to 60°C (-40°F to 140°F) Humidity 5% to 95% relative humidity, non-condensing Drop Designed to withstand 1.5 m (5') drops Environmental Sealing Sealed to resist airborne particulate contaminants Light Levels 4842 Lux Scan Performance Scan Pattern Single scan line Scan Speed 72 scan lines per second Scan Angle Horizontal: 50° Print Contrast 35% minimum reflectance difference Pitch, Skew 68°, 52° Decode Capabilities Reads standard 1D and GS1 DataBar symbologies	20	
104	DP to DP male cable 1.5M	100	
105	DP to hdmi converter	80	
106	DP to VGA converter	40	
107	HDMI to VGA converter	40	
108	5V 1amp adapter 5.5mmx2.1mm EU PIN	40	
109	9V 1amp adapter 3.5mmx1.35m EU PIN	40	
110	9V 1amp adapter 5.5mmx2.1mm EU PIN	100	

111	12V 1amp adapter 5.5mmx2.1mm EU PIN	200	
112	12V 2amp adapter 5.5mmx2.1mm EU PIN	200	
113	Universal multi pin plug to EU Convert Plug from Overseas Appliances to be used in EU Convert from UK / EU / US / CN upto 10AMP	200	
114	Omni Directional Lavalier Microphone Colar Mic Clip-On Mic for Smartphones, DSLR, Camcorders, Audio recorders, PC etc. Omni directional condenser microphone High-quality condenser is ideal for video use Low handling noise Includes lapel clip, LR44 battery, foam windscreen, 1/4" adapter Can be verified online 6 Meter wire length	40	
115	Microphone (Wireless) Microphone unit: Dynamic Directivity: Unidirectional Channel group: A or B Carrier Frequency Range: 576.4 MHz-599.9 MHz (Channel group: A) 568.6 MHz-592.1 MHz (Channel group: B) Channels: 48 RF output power: ≤10 mW Input frequency range:20Hz-20KHz Distortion: 0.5% or less Signal-to-noise ratio: 80 dB Dimensions: 5.3x5.3x25.6cm Weight: 252g (without batteries) UHF transmission with 48 channels Cardioid Microphone Transmitter A or B channel group for selection Compatible with RX8 Pro and SP-RX8 Pro OLED Display • Powered by one Two AA Batteries	20	
116	Air Conditioner split (Kenwood/gree) 18000 BTU – Heat & Cool – Smart WIFI – self-cleaning – full inverter – energy efficient upto 75%– Turbo & Eco mode – 5-year compressor warranty – 7 Star rating – with pipe, mount, fittings, and all accessories	30	
117	Air Conditioner split (Kenwood/gree) 24000 BTU – Heat & Cool – full inverter – energy efficient – Turbo & Eco mode - with pipe, mount, fittings, and all accessories	20	
118	Air Conditioner (Kenwood/gree) 48000 BTU – Heat & Cool –full inverter – energy efficient – Turbo & Eco mode - with pipe, mount, fittings, and all accessories	10	
119	LED 24 Inch Display type IPS w/LED backlight Display size (diagonal) 60.45 cm (23.8") Viewing angle 178° horizontal; 178° vertical Brightness 250 cd/m² Contrast ratio 1000:1 static; 10000000:1 dynamic Response Ratio 5 ms gray to gray (With overdrive) Product colour Black Aspect ratio 16:9 Native resolution FHD (1920 x 1080 @ 60 Hz) Resolutions supported 1920 x 1080; 1680 x 1050; 1600 x 900; 1440 x 900; 1280 x 1024; 1280 x 800; 1280 x 720; 1024 x 768; 800 x 600; 720 x 400; 640 x 480 Display features Anti-glare; Language selection; LED Backlights; On-screen controls; Plug and Play; User programmable User controls Menu; Minus ("-"); Plus ("+") /Input Control; Power Input signal 1 VGA; 1 DVI-D; 1 HDMI (with HDCP support) Environmental Operating temperature: 5 to 35°C; Operating humidity: 20 to 80% RH Power Input voltage: 100 to 240 VAC	30	

	Power consumption 25 W (maximum), 22 W (typical), 0.5 W (standby) Dimensions 54.66 x 4.47 x 32.1 cm (Without stand) Weight 3.7 kg (With stand) Ergonomic features Tilt: -5 to +20° Physical security features Security lock-ready (lock is sold separately) Certification and compliance CB; TUV-Low Blue Light; CCC; CEL; CECP; SEPA; WEEE Environmental specifications Arsenic-free display glass; Mercury-free display backlights What is in the box AC power cord; Documentation; VGA cable		
120	Dual Side Retransfer PVC ID Card Printer Print Method Dye-sublimation retransfer Print Mode Single- or double-sided (optional) over-the-edge retransfer printing Print Resolution 300 dpi Print Speed Up to 102 cards per hour (single-sided) Card Types PVC, Composite PVC, ABS, PET and Polycarbonate Cards of ISO ID -1/CR-80 size (85.60 x 53.98 mm) Card Thickness 0.25 - 1.02 mm (hopper adjustment required) Input Hopper Capacity 200 cards (0.76 mm) Output Hopper Capacity 100 cards (0.76 mm) Interface USB 2.0 and Ethernet Operating System Support Windows 7, 8,10 (32 & 64bits) Power Supply 100/120 V and 220/240 V, 50/60 Hz FCC, CE, UL, GOST-R, and CCC approved Operating Environment 15°C to 30°C, 35% to 70% noncondensing humidity Printer Dimensions 343 x 322 x 360 mm (WxDxH) Weight 13.9 kg (excluding optional built-in items) Warranty Printer: 24 months Printhead: Lifetime warranty using EDIsecure® materials (other conditions apply)	6	
121	Color Ribbon YMCK for XID8100	400	
122	Art Retransfer Film for XID8100	300	
123	PVC Card	40000	
124	Card cover with ribbon	40000	
125	Speaker Full Range EVID-PC6.2 6½" 2-way ceiling speaker, High-performance EV-engineered compression driver. Ultra-wide HF dispersion provides extremely even coverage through room. High-excursion woofer provides dramatic low-end frequency extension. Reinforced steel back can provides rigid enclosure to minimize acoustic loss. Four-point clamp mechanism and integrated mounting legs enable quick ceiling installation. Detachable pass-thru Phoenix-style signal connections simplify installation wiring. Tap selector with 8Ω / 70 V / 100 V operations. Fully reinforced ABS UL-rated baffle ensures long life. Fully compliant with EN 54 (pending), UL 1480, and 2043 standards. Frequency Range (-10 db) 50 Hz – 20 kHz Nominal Coverage (Conical)100° Power Handling 200 W Program, 100 W Pink Noise	10	

126	<p>Speaker Full Range EVID C4.2 4" 2-way coaxial ceiling loudspeaker, Designed for air-handling spaces. Ported enclosure for extended bass response. Waveguide-coupled 0.75-inch titanium-coated tweeter</p> <p>Full-bandwidth overload protection Integrated transformer for 70 V, 100 V, or 8 Ω use Front-panel mode/wattage selector Safe, easy installation with included tile bridge and mounting ring White semi-gloss perforated grille Complete package, requires no additional accessories</p> <p>Frequency Range (-10 dB) 65 - 20000kHz Weight Net 5.95lbs (2.7kg) Height 6.93" (176mm)</p>	10	
127	<p>Speaker Full Range EVID 4.2 Dual 4" 2-way surface-mount loudspeaker Compact full range. Ideal for restaurants, bars, patios, and retail. Vented LF enclosure 1-inch titanium diaphragm HF driver with neodymium magnetic structure Coherent Coverage Waveguide Full-bandwidth overload protection (LF and HF) Elliptical weather-resistant ABS enclosure Paintable black or white finish Magnetically shielded for video applications Strong-Arm Mount for easy, flexible aiming "T" version for 70 or 100 V distributed systems</p>	12	
128	<p>Speaker Full Range EVID 6.2 Dual 6" 2-way surface-mount loudspeaker Compact full range. Ideal for shopping malls, sports bars, and health clubs. Vented LF enclosure 1-inch titanium diaphragm HF driver with neodymium magnetic structure Coherent Coverage Waveguide Full-bandwidth overload protection (LF and HF) Elliptical weather-resistant ABS enclosure Paintable black or white finish Magnetically shielded for video applications Strong-Arm Mount for easy, flexible aiming "T" version for 70 or 100 V distributed systems</p>	10	
129	<p>Portable Speaker with 2 Wireless mics Weight 48 kg, Audio Out –Yes, AUX Input-Yes, Battery-Yes, Battery Timings-5 – 6 Hours, Bluetooth Enabled-Yes, Bluetooth Range-10Meters,Charging Time-2 -4 Hours, AC/DC Function-Yes, Delay-Yes, Drive Unit-15 Inches X 2,Eco-Yes,FM Radio-Yes, Karaoke Port-Yes, LED Display-Yes, LIVE Recording-Yes, Material-Plastic, Mic Technology-VHF Mic, Mic Type-Hand Mic, Micro SD Card Supported-Yes, Power Output-rms50w, Remote-Yes, Repeat-Yes, USB Port-Yes, Volume Knob-Yes, Warranty-1 Year, Wireless Mic-Yes, Wireless Mic Range</p>	40	
130	<p>Mic R300-L Lapel system with ULM18 directional microphone Clear Scan automatically finds the clearest channel EZ sync one-step channel setup ULM18 directional lavalier microphone 14 hour battery life from two AA alkaline Rugged metal transmitter Metal receiver chassis with optional rack mount</p>	10	
131	Toner for Bizhub 458	10	
132	Multi Light Plug	100	
133	Piano Switch	300	

134	Power Socket with Power Plug	80	
135	LED Bulb Screw Type 23 watt	100	
136	Holder Screw Type	100	
137	Circuit Breaker 16 Amp	100	
138	Circuit Breaker 24 Amp	40	
139	2 pole Circuit Breaker	20	
140	Wooden power Board Complete (8 x 10) with sheet	80	
141	Screw 1.5" box	25	
142	Screw 2.0" box	20	
143	Steel Nails 1" box	25	
144	Steel Nails 1.5" box	25	
145	Steel Nails 2.0" box	10	
146	Steel Nails 2.5" box	05	
147	Rawal Plug box box of 100	50	
148	Aluminum Ladder 8 Feet	08	
149	Ingco 6Pcs go-through screwdriver set 1pcs SL6.5*6*100 1pcs SL6.5*6*150 1pcs SL8.0*8*200 1pcs PH2*6*100 1pcs PH2*6*150 1pcs PH3*8*200	12	
150	Harden Flat Type Screwdriver Size 8X150mm	6	
151	Harden Philips Type Screwdriver PH2X150mm CRV Screwdriver with Transparent Handle, Tempered and magnetic	6	
152	Harden Hip toolbox 480 X 180 X 190mm With electro-powder coating to resist scratch & solvent markings, heavy duty metal latches	24	
153	77pcs 1/2" & 1/4" Dr. Socket Set 9-6.3mm Dr. Hex sockets:5,6,7,8,9,10,11,12,13mm, 1-6.3mmDr.Flipper ratchet, 1-6.3mm Dr. Universal joint, 1-6.3mm Dr. Sliding T bar:110mm, 1-6.3mm Dr. Extension rod :3", 1, 6.3mm Dr. Bit adapter2-12.5mm Dr. Extension rod:5",10", 1-12.5mm Dr. Spark plug socket:21mm, 13-12.5mm Dr. Hex sockets:10,11,12,13,14,15,17,19,22,24,27,30,32mm, 1-12.5mm Dr. Flipper ratchet, 1-12.5mm Dr. Universal joint, 22-25mm Bits:, Hex:H3,H4,H5,H6;Slotted:3,4,5,6,7mm; Philips:PH1.PH2,PH3; Pozi:PZ1,PZ2,PZ3;, Torx:T10,T15,T20,T25,T27,T30,T40, 7-Flat head hex key wrench:1.2,2,2.5,3,4,5,6mm, 11-Combination wrench:8,9,10,11,12,13,14,15,16,17,19mm, 4-Two head adjustable socket, wrench:89mm,1011mm,1213mm,1415mm, 1-Blow case	6	
154	Harden 12Pcs 1/2" Sockets Set Material: Quality Chrome Vanadium, 1Pc 1/2" Quick Release Ratchet Spanner, 1Pc Extension Bar 1/2"x3", 11Pcs 6pt Socket:, 10,12,13,14,15,16,17,19,22,24MM	12	
155	digital stainless steel vernier caliper	6	
156	3pcs high leverage pliers set 8", 7" 6" 8"/200mm high leverage combination pliers 7"/180mm high leverage diagonal cutting pliers 6"/160mm high leverage long nose pliers Cr-V, black finish and polish TPR two color handle	12	

157	10Pcs 25x125mm Knife Blade	6	
158	5pcs steel file set 8" Flat steel file 1pcs Half round steel file 1pcs Round steel file 1pcs Triangle steel file 1pcs Square steel file 1pcs	6	
159	Heat gun 2000W	5	
160	WD-40	25	
161	Electric Pole, Aerial Work, Anti Falling Safety Belt	5	
162	Hacksaw Frame	6	
163	32Pcs precision screwdriver set 1Pcs INGCO Style handle 1Pcs 4X60mm bits holder 30PCS 4X28mm bits: SL1.5,SL2,SL2.5,SL3,SL3.5,SL4,PH000,PH00,PH0,P H1,T4,T5,T6,T7,T8,T9,T10,T15,T20,H0.9,H1.3,H1.5, H2,H2.5,H3,H4,Y2,U2.6,Five Star0.8,Five Star1.2 Five Star0.8, Five Star1.2	6	
164	45pcs CRV Screwdriver Bit Set Hexagonal socket•__M2.5,3.0,3.5,4.0,4.5,5.0,5.5 Solid plum blossom head:T3,T4,T5,T6,T7,T8,T9,T10,T15,T20 Hexagonal bit:0.9,1.3,1.5,2.0,2.5,3.0,4.0 Flat bit:1.0,1.5,2.0,2.5,3.0,3.5,4.0 Philip bit:1.5,2.0,2.5,3.0,3.5 Five-pointed star bit:0.8,1.2 Triangle bit:3.0 U-type bit:2.6 Y-type bit:2.0 Round bit:0.8	6	
165	Pump Oiler	6	
166	Glue Gun	10	
167	Glue Gun Sticks	300	
168	isopropyl alcohol for cleaning (liter)	20	
169	Measuring Tape Nylon Coated 7.5m x 25mm	12	
170	PCB electric drill grinder machine kit Material: High-Speed Steel Colour: Gray Type: Electric tools Package includes: Mini Electric Drill 5 X HSS Drill Bit 5 X Chuck 4 X Grinding Wheel with Handle Cutting Grinding wheel 12v, 1A DC Power Adapter Blow Box	4	
171	2in1 862d+ SMD Hot Air Rework Station Soldering Iron Station LED Display W/4 Nozzle Hot air soldering station specification: Specified voltage: 220v/AC Consumption: 270w Type of pump: Menbranous Air flow: 0.3~2.4L/min, Adjustable Pump power: 15w Heater: 250W metel Hot air temperature: 100~240 Soldering station specification: Power: 60w Output voltage: 24v/AC Temperature range: 200-48 Size: (L)X(W)X(H) 245X187X135mm /9.65"X7.36"X5.31"(appr.)	05	
172	Cable Micro USB	50	
173	Cable USB to mini USB	30	

174	Cable Type-C to Type-C	50	
175	Headphone 3.5mm (Logitech/A4tech) HS-30 – Style: On-the-Head - Speaker: 40 mm - Frequency Range: 20 Hz-20 KHz - Impedance: 32 Ohm - RMS: 50 mW Sensitivity: 102 dB - MIC Sensitivity: -50 dB - Cable Length: 2 m - Plug: 3.5 mm - Controller: Volume knob on the headset	100	
176	Headphone USB Interface (Logitech/A4tech) HU-30 – Style: On-the-Head - Speaker: 40 mm - Frequency Range: 20 Hz-20 KHz - Impedance: 32 Ohm - RMS: 50 mW - Sensitivity: 102 dB MIC Sensitivity: -45 dB - Cable Length: 2 m - Plug: USB - Controller: Volume knob on the headset	100	
177	Headphone Bluetooth Bluetooth version 5 – supports A2DP, AVRCP, HSP, HFP, drive unit 57mmx2, impedance 16 ohm, standby time: 1000 hours approx.. Bluetooth talk/music time 30 Hours, charging time 2hours, input current 5V/>400ma Type-C charging port -output power 30mW+30mW T-monitor	100	
178	Power Supply Adjustable Usage:SVCModel - Number:PS-3010DF - Phase:Single PhaseCurrent Type:DC - is_customized:Yes -Input voltage:110V or 220VOutput -voltage:0-30VOutput current:0-10A - Weight:2.45kg -Appearance size:285*128*145mm(excluding protruding parts) Package size:370*180*210cm Protection function:OCP, OTP, OPPIntelligent Fan:Excellent heat dissipation Display:High precision 4 digit LED digital display Certification:CE, RoHSPlug:US, EU, UK, AU (optional) USB interface:5V 2A outputFeatures 1:DC power supplyFeatures 2:Power supply dcFeatures 3:Laboratory power supplyFeatures 4:Power supply adjustableFeatures 5:Adjustable dc power supply Features 6:Regulated power supply Features 7:Voltage regulators	3	
179	Hot Air Rework Soldering Station Material of Item Body: Stainless steel Color: Black - BK-858D - Type: Digital Display Hot Air Rework Station -Display Type: Digital Display -Power Type: Alternating Current Input Voltage: 220V - Rated Input Power: 700 W - Air Flow Volume: 120 L/Min -Rated freqncy: 50 Hz Diameter of Wind Gun Nozzle: 5, 8, 10 MM - Noises: < 45 DB -Temperature Range: 100 ~ 450 °C - Package included: 1 x Hot Air Rework Station BK-858D 3 x Nozzles 1 x Wire with Clamp	2	
180	Paper Tape 2 inch	50	
181	Solution tape	200	
182	Wire Stripper tools	5	
183	Magnifier Glass	10	
184	Soldering iron bits for 40watt	20	
185	Computer Motherboard battery CR2032	1000	
186	De-soldering PUMP	5	
187	SSD 120GB – SATA III – 3 Year warranty	30	
188	SSD 240GB – SATA III – 3 Year warranty	30	

189	SSD 240GB M2 2280	30	
190	Flat bed scanner Type:Flatbed Scanner, Scanning element:CIS, Light source:3-color (RGB) LED, Optical resolution:2400 x 2400dpi, Selectable resolution 19200dpi, Interface USB2.0 High-Speed Mini-B, Scanning gradation (colour):48 bit input -> 48/24 bit output, Scanning gradation (greyscale): 16 bit input -> 8 bit output, Maximum Document Size: A4 / Letter (216 x 297mm), EZ-Scan Buttons: 4 buttons (PDF, AUTOSCAN, COPY, SEND), Scanning speed: (colour)(Reflective)14.8msec/line (2400 dpi) 6.6msec/line (1200 dpi) 3.8msec/line (600 dpi) 2.2msec/line (300 dpi) Preview Speed: Approx. 9 sec, Power Supply: Supplied via USB port Power Consumption: approx. 4.5W (in operation, maximum) approx. 0.3W (standby) Dimensions 250x367x42 mm Weight 1.7kg,	10	
191	Short Backup UPS with built in battery Frequency 50Hz / 60Hz Dimensions 355 x 123 x 200 mm Battery 2 * 12V / 9AH Recharge Time 8 Hours Power Consumption 1200VA / 720W Voltage 220V Warranty 3 Months	30	
192	A3 Size Flatbed Scanner Scanner Type Color CIS Flatbed Scan Modes Color: 48-bit & 24-bit Gray: 16-bit & 8-bit Line art: 1-bitTWAIN Scan Area (Max.) 299 mm x 427 mm (11.8" x 16.8") Resolution Optical: 2400dpi x 2400dpi Software Interpolation: 9600 dpi x 9600 dpi Scanning Speed 6.8 sec (100dpi, A3-size color) 6.9 sec (200dpi, A3-size color) 14.6 sec (300dpi, A3-size color) 32.8 sec (600dpi, A3-size color) Recommended Daily Volume Approx. 2500 pages Interface USB 2.0 Light Source LED Dimension (L x W x H) 555 mm x 383 mm x 88 mm (21.9" x 15.1" x 3.5") Weight Approx. 4.3 kgs (9.48 lbs) Power Consumption 12VDC, 2.0A, 24W (Input: 100~240VAC, 50~60Hz)	10	
193	Table Microphone Flexible long gooseneck with mono unbalanced cable and connector	120	
194	Audio Mixer 16 ~ 24 channel 1000-watt powered mixer	12	
195	LED TV 65" Smart Screen 65 inch, 4K ultra hd, HDR10, Dolby vision, DTS, Bluetooth5.0, Chromecast built in, frameless, Netflix, YouTube, prime video, google play, android version 9	30	
196	LED TV 55" Smart Screen 65 inch, 4K ultra hd, HDR10, Dolby vision, DTS, Bluetooth5.0, Chromecast built in, frameless, Netflix, YouTube, prime video, google play, android version 9	30	
197	USB Sound Card with wire	20	
198	USB LAN Card gigabit	10	
199	Wireless Keyboard Mouse set Type: Wireless, Connection: 2.4G Hz, Operating Range: 10 - 15 m, Mouse: FG10, Ergonomic Design: Symmetric, Sensor: Optical Resolution: 1000/1600/2000 DPI, Report Rate: 125Hz, Buttons No.: 4, Receiver: Nano USB Receiver, Demension: 108 x 64 x 35 mm, Weight: 67 g (Batteries not included), Battery: 1AA Alkaline Battery, Keyboard: FGK10, Keycaps: Sleek Round-Square Hotkeys: 12 Fn Hotkeys, Character: Laser Engraving, Splash Proof: Yes, Adjustable Keyboard Legs: Yes, Rating: 1.5 V / 10 mA Dimension: 456 x 156 x 24 mm, Weight: 494 g (Battery not included), Battery: 1 AA Alkaline Batteries	50	
200	1.5v Cell size D	100	