Republic of the Philippine
TARLAC STATE UNIVERSITY
Romulo Blvd., San Vicente, Tarlac City
Tel. No.: (045) 982 4630
Website: www.tsu.edu.ph

Bidding Documents

(This Bidding Documents is in conformance with the Sixth Edition of the Philippine Bidding Documents for the Procurement of Goods)

For the Project

Supply and Delivery of IT Tools, Supplies and Accessories (APP 2024)

With an Approved Budget for the Contract (ABC) *of* Four Million Three Hundred Fifty Two Thousand Pesos (₱ 4,352,000.00)

Invitation to Bid No. Goods 2024-024
PhilGEPS Reference No.: 10957135

July 2020
6th Edition

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender.* (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means "delivered duty paid."

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – "Free Carrier" shipping point.

FOB – "Free on Board" shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as "Call-Offs," are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term "related" or "analogous services" shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid

Republic of the Philippine
TARLAC STATE UNIVERSITY
Romulo Blvd., San Vicente, Tarlac City
Tel. No.: (045) 982 4630
Website: www.tsu.edu.ph

INVITATION TO BID

For the Project

Supply and Delivery of IT Tools, Supplies, and Accessories (APP 2024)

Invitation to Bid No. Goods 2024-024

1. The Tarlac State University, through Regular Agency Fund (RAF) and Special Fund (SB) 2024 intends to apply the sum of **Four Million Three Hundred Fifty Two Thousand Pesos (₱ 4,352,000.00)** to payments under the contracts for the project: **Supply and Delivery of IT Tools, Supplies, and Accessories.** Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The Tarlac State University now invites bids for the project: **Supply and Delivery of IT Tools, Supplies, and Accessories**. Delivery of the Goods is required within **thirty (30) calendar days** from the receipt of the Notice to Proceed. Bidders must have completed, within the last five (5) years prior to the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

   Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

4. Interested bidders may obtain further information from **Tarlac State University** and inspect the Bidding Documents at the address given below during Tuesday to Friday from 8:00 A.M. to 5:00 P.M:

   BAC Secretariat
   Motorpool and Administration Building
   Tarlac State University
   Romulo Blvd., San Vicente, Tarlac City
   Tel. No. (045) 606-8142 / 0998 846 0206
   Email: **bacsec@tsu.edu.ph**

5. A complete set of Bidding Documents may be acquired by interested Bidders from **June 20, 2024 to July 10, 2024** from the aforementioned address upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **₱ 5,000.00.**

    It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

6. The Tarlac State University will hold a Pre-Bid Conference on **June 28, 2024 (2:00 P.M.)** at the Bids and Awards Committee Conference Room, 3rd Floor, Motorpool and Administration Building, Tarlac State University, Romulo Blvd., San Vicente, Tarlac City, which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat at the address below on or before **July 10, 2024, (1:30 P.M.)**.

    BAC Secretariat
    Procurement Building
    Tarlac State University
    Romulo Blvd., San Vicente, Tarlac City
    Tel. No. (045) 606-8142 / 0998 846 0206
    Email: **bacsec@tsu.edu.ph**

8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.

9. Bid opening shall be on **July 10, 2024,** at **2:00 P.M.**, at the Bids and Awards Committee Conference Room, 3rd Floor, Motorpool and Administration Building, Tarlac State University, Romulo Blvd., San Vicente, Tarlac City. Bids will be opened in the presence of the bidders' representatives who choose to attend.

10. The Tarlac State University reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 Revised IRR of RA 9184, without thereby incurring any liability to the affected bidder or bidders.

11. For further information, please refer to:

    Ms. Jhenna Micah A. Manankil/ Mr. Joshua Jonathan S. Jacinto
    BAC Secretariat
    Motorpool and Administration Building
    Tarlac State University
    Romulo Blvd., San Vicente, Tarlac City
    Tel. No. (045) 606-8142 / 0998 846 0206
    Email: **bacsec@tsu.edu.ph**

DR. GRACE N. ROSETE
BAC Chairperson – Goods and Services

Section II. Instructions to Bidders

1. Scope of Bid

1.1. The Tarlac State University wishes to receive Bids for the project: **Supply and Delivery of IT Tools, Supplies, and Accessories,** with identification number **Invitation to Bid No. Goods 2024-024.**

1.2. The procurement project (referred to herein as "Project"") is composed of 54 (fifty four) items, the details of which are described in Section VII. Technical Specifications.

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **2024** in the amount of ₱ **4,352,000.00**

2.2. The source of funding is the **Special Budget (SB)**.

3. Bidding Requirements

3.1. The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

3.2. Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or IB by the BAC through the issuance of a supplemental or bid bulletin.

3.3. The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder must have a SLCC that is similar to the Project, as described in the **BDS**, with a value, adjusted to current prices using the PSA's CPI, that is at least equivalent to fifty percent (50 %) of the ABC.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that subcontracting is not allowed

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and at the address indicated in paragraph 6 of the **IB.**

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII. Checklist of Technical and Financial Documents**.

10.2. The Bidder's **SLCC** as indicated in **ITB** Clause 5.3 should have been completed **within five (5) years** prior to the deadline for the submission and receipt of bids.

10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII. Checklist of Technical and Financial Documents**.

11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.

11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:

a. For Goods offered from within the Procuring Entity's country:

   i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);

   ii. The cost of all customs duties and sales and other taxes already paid or payable;

   iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and

   iv. The price of other (incidental) services, if any, listed in e.

b. For Goods offered from abroad:

   i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.

   ii. The price of other (incidental) services, if any, as listed in **Section VII. Technical Specifications**.

13. Bid and Payment Currencies

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until **November 7, 2024**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

15.1. Each Bidder shall submit one copy of the first and second components of its Bid.

15.2. The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

15.3. If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be

digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB.**

17. Opening and Preliminary Examination of Bids

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

19.3. The descriptions of the lots or items are indicated in **Section VII. Technical Specifications**, and the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

19.4. The Project shall be awarded as one project having several items that shall be awarded as one contract.

19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be the supply and delivery of similar goods comprising the Project.
7.1	No further instructions.
12	The price of the Goods shall be quoted DDP Tarlac City, Philippines or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: a. The amount of not less than two percent (2 %) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than five percent (5 %) of ABC if bid security is in Surety Bond.
19.3	The ABC for the Project is: Php 4,352,000.00
20.2	No further requirements.
21.2	No further requirements.

Section IV. General Conditions of Contract

## 1.	Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC).**

## 2.	Advance Payment and Terms of Payment

2.1.	Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.

2.2.	The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

## 3.	Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184

## 4.	Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV. Technical Specifications** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

## 5.	Warranty

6.1.	In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.

6.2.	The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the

defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6.   Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section V. Special Conditions of Contract

GCC Clause	
1	**Delivery and Documents –** For purposes of the Contract, "EXW," "FOB," "FCA," "CIF," "CIP," "DDP" and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows: The delivery terms applicable to this Contract are delivered to Tarlac State University, Romulo Blvd., San Vicente, Tarlac City. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their destination." Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI. Schedule of Requirements.
	Packaging – The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit. The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity. The outer packaging must be clearly marked on at least four (4) sides as follows: Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.
	Transportation – Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.

	Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price. Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure. The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.
	Intellectual Property Rights – The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
4	The inspections and tests that will be conducted are: visual and sensory inspection and test.

Section VI. Schedule of Requirements

The delivery date for the Goods covered by the Contract shall be within thirty (30) calendar days upon receipt of the Notice to Proceed.

Section VII. Technical Specifications

Item No.	Description
IT Tools, Supplies, and Accessories	
1.	PORTABLE SSD Interface : USB 3.2 Gen2 (10Gbps) Capacity : 1TB Sequential Read : Up to 1,050 MB/sec Sequential Write : Up to 1,000 MB/sec Water / Dust Resistant : IP 65 Drop Resistant : Up to 3m Encryption :AES 256-bit hardware encryption Reliability, Shock : 1,500G, duration: 0.5ms, 3 axis Certifications : CE, BSMI, KC, VCCI, C-tick, FCC, IC, UL, TUV, CB, EAC, UKCA, BIS Warranty : 3 years manufacturer warranty
2.	ADAPTER, HDMI to VGA Adapter HDMI to VGA Converter Color: Black Interface Type: HDMI 1.4 Male, VGA Female Interface Process: Gold-Plated (HDMI), Nickel Plated (VGA) Resolution: 1080p@60hz Conductor Material: Pure Copper, ABS Cable Length: 15cm Cable Od.: 5.0mm Shielding: Aluminium Foil + Metal Braided AWG: 30awg Warranty: 1 Year Local Supplier Warranty
3.	NETWORK ATTACHED STORAGE CPU: Intel Celeron J4025 2-core 2.0 GHz, burst up to 2.9 GHz Hardware Encryption Engine: Yes System Memory: 2 GB DDR4 Drive Bays: 2 Compatible Drive Type : 2 x 3.5" SATA HDD, 2.5" SATA SSD Hot Swappable Drive : Yes RJ-45 1GbE LAN Port: 2 USB 3.0 Port: 2 Internal Drives: Btrfs, EXT4 External Drives: Btrfs, EXT4, EXT3, FAT, NTFS, HFS+, exFAT Warranty: 2 years local supplier warranty NAS Hard Disk Capacity: 4TB Form Factor: 3.5" inch Rotational speed (RPM): 5,400 RPM Interface: SATA 6Gb/s Warranty: 2 Years Local Supplier Warranty
4.	BIOMETRICS, Device RF Optional : 125kHz EM / 13.56MHz IC Max User(1:N): 10,000 Max Fingerprint (1:N): 3,000 standard / 10,000 Optional Max Record100,000 TCP/IP : 10/100 M PoE Optional : 802.3 at 28W Wi-Fi : 802.11 B/G/N 3G Optional : WCDMA SB :USB 2.0 (Host) RS232 : 1 port for external printer LCD : 3.0"Color LCD Sound : 24-bit Power DC : 12V 1.5A Certificates : CE, FCC, RoHS Standard : Automatic Status Switch, Self-Service Query, DST, T9 Input, 9 Digit User ID, Scheduled Bell, Photo ID, Lock, sensor, Exit button Warranty : 1 year local supplier warranty
5.	WEB CAMERA, 720p HD Max Resolution: 720p/30fps Camera mega pixel: 1.2 Focus type: fixed focus Lens type: plastic Built-in mic: Mono Mic range: Up to 1 m Diagonal field of vieaw (dFoV): 60° Universal mounting clip Auto Light Correction: Yes, Noise Cancelling Mic: Yes Warranty: 2 years local supplier warranty
6.	COMPUTER TABLET FOR MOBILE APP DEVELOPMENT Features: CPU Speed: 2.4 GHz, 2 GHz CPU Type: Octa-Core Display : 10.9 inches Technology (Main Display) : TFT Color Depth (Main Display) : 16M Video Recording Resolution : UHD 4K (3840 x 2160) @ 30fps Memory (GB) : 6 Storage (GB) : 128 External Storage Support : MicroSD (Up to 1TB) USB Version : USB 2.0 Location Technology : GPS, Glonass, Beidou, Galileo, QZSS Wi-Fi: 802.11 a / b / g / n / ac / ax 2.4G+ 5GHz, HE80, MIMO, 1024-QAM Wi-Fi Direct : Yes Bluetooth Version : Bluetooth v5.3 Bluetooth Profiles : A2DP, AVRCP, DI, HID, HOGP, OPP, PAN OS : Android Sensors : Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor Warranty : warranty care plan for two years. Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers

7.	COMPUTER TABLET, Features: CPU Speed 2Ghz, 1.8Ghz CPU Type: Octa-Core Display: 10.4 inches Technology (Main Display) : TFT Color Depth (Main Display) : 16M Video Recording Resolution : FHD (1920 x 1080) @ 30fps Memory (GB) : 3 Storage (GB) : 64 External Storage Support : MicroSD (Up to 1TB) USB Version : USB 2.0 Location Technology : GPS, Glonass, Beidou, Galileo Earjack : 3.5mm Stereo Wi-Fi: 802.11 a / b / g / n / ac 2.4G+ 5GHz, VHT80 Wi-Fi Direct : Yes Bluetooth Version : Bluetooth v5.1 Bluetooth Profiles : A2DP, AVRCP, DI, HID, HOGP, OPP, PAN OS : Android Sensors : Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor Warranty: warranty care plan for two years. Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers
8.	COMPUTER TABLET FOR MOBILE APP DEVELOPMENT Capacity :256GB Display: 10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology 2360-by-1640-pixel resolution at 264 pixels per inch (ppi) Chip : Bionic Chip, 6core CPU, 4-core graphics, 16-core Neural Engine Camera : 12MP Wide camera f/1.8 aperture Digital zoom up to 5x Five-element lens Front Camera : 12MP Ultra-Wide camera, 122° field of view, f/2.4 aperture, Smart HDR 3, 1080p HD video recording at 25 fps, 30 fps, or 60 fps Microphones : Dual Microphones Wireless : Wi-Fi 6 (802.11ax) with 2x2 MIMO; speeds up to 1.2 Gbps, Simultaneous dual band, Bluetooth 5.2 Sensors : Touch ID, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor Battery : Built-in 28.6-watt-hour rechargeable lithium polymer battery Inclusions : Tablet, Lightning to USB-C Cable, 20W USB-C Power Adapter Warranty : warranty care plan for one year. Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers
9.	DOT MATRIX PRINTER, Control Panel: 6 switches and 10 LEDs Print Direction: Bi-direction with logic seeking Printing Method :Impact dot matrix Number of Pins in Head:9 pins Control Code:ESC/P2, IBM PPDS Printhead Life: 200 million strokes/wire Mean Print Volume Between Failure (MVBF):30 million lines (except print head) Mean Time Between Failure (MTBF): 15,000 Power On Hours (POH) (25% Duty) Barcode: EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET Supported Papers : Cut Sheet (Single Sheet), Cut Sheet (Multi-part Sheet), Continuous Paper (Single Sheet / Multi-part, Envelope (No. 6), Envelope (No. 10), Label (Base Sheet), Card, Roll Paper Ribbon Cartridge Black:Standard: Fabric Ribbon Cartridge (Black) Ribbon Life: Approx. 12 million Characters Interface ; USB 2.0 Warranty : 1 year manufacturer warranty
10.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 1TB Connector: Micro-B Interface: UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate: up to 5Gb/s Warranty: 3 years manufacturer warranty
11.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 2TB Connector: Micro-B Interface: UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate: up to 5Gb/s Warranty: 3 years manufacturer warranty
12.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 4TB Connector: Micro-B Interface : UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate : up to 5Gb/s Warranty : 3 years manufacturer warranty
13.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software

	Capacity: 5TB Connector: Micro-B Interface: UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate: up to 5Gb/s Warranty: 3 years manufacturer warranty
14.	EXTERNAL STORAGE DRIVE Interface: Compatible with USB 3.2 Gen2 (10 Gbps), backwards compatible Capacity :500GB Transfer Speed: Up to 1,050 MB/s Features: Built strong and secure Dynamic Thermal Guard solid aluminum unibody construction Warranty: 3 years Local Supplier warranty
15.	FIBER OPTIC CABLE, 1 core, 2km length Minimum bending radius: 3.8 cm Tensile Strength : 45 kilograms Reinforcement Material : Reinforced Phosphating Stell Wire Core count : 1 Length : 2 kilometers Color : Black Fiber Type : Outdoor Leather Fiber Optic Cable
16.	FIBER CABLE, Shrinkable sleeve 100pcs/box 60mm fiber optic sleeve Characteristics: Single holed (pre-shrunk) Clear sleeve design Smooth stainless steel reinforcing member Sealing structure suitable to temperature Extended liner length Low shrink temperature pre-installed stainless steel or ceramic rod Accommodates single or ribbon fibers Wide range of sizes Operating temperature -45degree to 100degree Min. full recovery temp: 120degree
17.	FLASH DRIVE Feature, Ultimate portability, Quick and Convenient Capacity: 64GB Speed: USB 3.2 Gen 1 compliant Warranty: 1 year local supplier warranty
18.	GIGABIT ETHERNET SWITCH, 16-PORT Number of Ports : Sixteen (16) 10/100/1000 Gigabit ports Standards : IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T , ANSI/IEEE 802.3 NWay auto-negotiation, IEEE 802.3x Flow Control Data Transfer Rates Ethernet: 10 Mbps (half duplex) / 20 Mbps (full duplex) 100 Mbps (half duplex) / 200 Mbps (full duplex), 2000 Mbps (full duplex Security Storm : Control QoS (Quality of Service) : 802.1p priority, 8 queues Protocol : CSMA/CD Switching Capacity : 32 Gbps MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control MTBF 1,882,372 hours Warranty : 1 year local supplier warranty
19.	GIGABIT ETHERNET SWITCH, 24-PORT Number of Ports : Twenty-four (24) 10/100/1000 Gigabit ports Standards : IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T , ANSI/IEEE 802.3 NWay auto-negotiation, IEEE 802.3x Flow Control Data Transfer Rates Ethernet: 10 Mbps (half duplex) / 20 Mbps (full duplex) 100 Mbps (half duplex) / 200 Mbps (full duplex), 2000 Mbps (full duplex Security Storm : Control QoS (Quality of Service) : 802.1p priority, 8 queues Protocol : CSMA/CD Switching Capacity : 32 Gbps MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control MTBF : 863,100 hours Warranty : 1 year local supplier warranty
20.	GIGABIT ETHERNET SWITCH, 8-PORT Standards and Protocols : IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p, IEEE 802.3at Interface : Eight 10/100/1000Mbps RJ45 Ports, AUTO Negotiation/AUTO MDI/MDIX PoE Ports (RJ45) : Standard: 802.3 af/at compliant, PoE Ports: Port 1- Port 4, PoE Power Budget: 64W Switching Capacity : 16 Gbps Packet Forwarding Rate : 11.9 Mpps Quality of Service : Support Port-Based/802.1p/DSCP priority, Support 4 priority queues, Rate Limit, Storm Control L2 Features : IGMP Snooping V1/V2/V3, Static Link Aggregation, Port Mirroring, Cable Diagnostics, Loop Prevention, PoE Auto Recovery Transmission Method : Store-And-Forward Warranty : 1 year local supplier warranty

21.	STACKABLE SMART MANAGED SWITCH WITH 10G UPLINKS SWITCH WITH SFP MODULES PORT
	Standards & Functions: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, 802.3ae 10 GbE, IEEE 802.3x Flow Control for Full-Duplex Mode, Auto-negotiation Number of Ports: 16 x 10/100/1000 Mbps, 2 x Gigabit SFP, 2 x 10G SFP+ Network Cables : UTP Cat. 5, Cat. 5e (100 m max.) EIA/TIA-568 100-ohm STP (100 m max.) Full/Half Duplex : Full/half-duplex for 10/100 Mbps and full-duplex for 1000 Mbps speed Media Interface Exchange : Auto or configurable MDI/MDIX Switching Capacity : 76Gbps Transmission Method : Store-and-forward Maximum 64 bytes Packet Forwarding Rate : 56.54 Mpps Diagnostic LEDs : Power/Stacking ID/Fan (per device) Link/Activity/Speed (per 10/100/1000 Mbps port), Link/Activity/Speed (per Gigabit SFP port), Link/Activity/Speed (per 10G SFP+ port) With included 2 units of 10G SFP modules, same brand with the switch to ensure compatibility. included 2 units of 1G SFP modules, same brand with the switch to ensure compatibility. Warranty: 1-year local supplier warranty
22.	HARD DRIVE,
	12TB Hard Drive for Server Computer Class: Enterprise-Class SATA HDD Form factor 3.5-inch Interface SATA 6 Gb/s 512n / 512e user sectors per drive: 512e Formatted capacity: 12TB Data Transfer Rate (max Sustained): 255MB/s RPM: 7200 Cache: 256MB MTBF (hours, projected): 2,000,000 Acoustics (average): Idle Mode 20 dBA, Seek Mode 36 dBA Features: Helio Seal technology, Enhance Reliability, Vibration Protection Warranty: 5 years local supplier warranty
23.	HARD DRIVE,
	600GB Hard Drive for Storage Server Class: Enterprise Class Type: Hard Drive Capacity: 600 GB Form Factor: 2.5 Interface: Sas 12 GB/S Data Transfer Rate: 1.2 Gbps Spindle Speed: 15000 Rpm Device Type: Hard Drive Capacity: 600 GB Form Factor: 2.5 Interface: SAS 12GB/S Drive Transfer Rate: 1.2 Gbps (External) Spindle Speed: 15000 Rpm Hard drive must be compatible with IBM Storwize V3700 Warranty: 5 years local supplier warranty
24.	HDMI CABLE (10 METERS),
	"HDMI Cable (10 Meters) Color: Black Interface Type: Standard HDMI Interface Process: Gold-plated Resolution: 4K 60Hz - 1080P 60Hz Conductor Material: Pure Copper Jacket: PVC Head: Two-color PVC injection Cable Length: 10 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminum foil mylar+Metal Braied AWG: 30AWG"
25.	HDMI CABLE (5 METERS),
	"HDMI Cable (5 Meters) Color: Black Interface Type: Standard HDMI Interface Process: Gold-plated Resolution: 4K 60Hz - 1080P 60Hz Conductor Material: Pure Copper Jacket: PVC Head: Two-color PVC injection Cable Length: 5 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminum foil mylar+Metal Braied AWG: 30AWG"
26.	HEADPHONE W/ MIC,
	HD 720p Video Calls in a sturdy design Widescreen HD 720p Video Calls Mono Noise Reducing Mic HD video calling (1280 x 720 pixels)
	Photos: up to 5.0 megapixels (software enhanced) Built-in mic with Right Sound™ technology Hi-Speed USB 2.0 certified Universal clip fits laptops, LCD or CRT monitors Right Light™ 2 technology Video and photo capture Works with most instant messaging applications Warranty: at least 1 year warranty (2024)
27.	HIGH SPEED SCANNER,
	Scanner Type A4 sheet-fed, one-pass duplex colour scanner Sensor Type Contact Image Sensor (CIS) x 2 Scanning Method Fixed carriage and moving document Optical Resolution 600 x 600 dpi Output Resolution 50 - 1,200 dpi (in 1 dpi increments) Scanner Bit Depth (Colour) 48-bit input, 24-bit output Max. Document Size 215.9 x 3,048 mm Scan Speed Resolution "200dpi: 26 ppm / 52 ipm (Monochrome, Colour) 300dpi: 26 ppm / 52 ipm (Monochrome, Colour) 600dpi: 21 ppm / 42 ipm (Monochrome), 7.0 ppm / 14 ipm (Colour)" ADF Capacity 50 sheets

	(80g/m2) Daily Duty Cycle up to 3,000 sheets / day Interface USB 2.0 Warranty 1 year warranty
28.	**IMPACT DOT MATRIX PRINTER** Print Method: Impact dot matrix Number of Pins: 24 High Speed Draft: 10/12cpi: 487/584 cps Printhead Life: 400 million strokes/wire Character Sets: 1 Italic and 12 graphical character tables: Italic table, PC437 (US, StandardEurope), PC850 (Multilingual), PC860 (Portuguese), PC861 (Icelandic), PC865 (Nordic), PC863 (Canadian-French), Abicomp, BRASCII, Roman 8, ISO Latin 1, PC858, ISO 8859-15 Continuous Paper (Single Sheet/ Multi-part): Entry: Front, Rear, Bottom Length: 101.6-558.8mm (4.0-22.0") Width: 101.6-254mm (4.0-10.0") Thickness: 0.065-0.49mm (0.0025-0.019") Copies: Original + 6 copies Push Tractor: Front or rear in, top out Pull Tractor: Fornt, rear or bottom in, top out Interface: USB 2.0, Bi-directional parallel USB 2.0, Bi-directional parallel Warranty: 1 year local supplier warranty
29.	**MONOCHROME - MULTIFUNCTION INKJET PRINTER W/ MAINTENANCE BOX** Printer Type: Print, Scan, Copy, Fax with ADF Maximum Copies from Standalone:99 copies Reduction / Enlargement:25 – 400 % Auto Fit Function Maximum Copy Resolution: 600 x 600 dpi Maximum Copy Size:Legal (ADF) ISO 29183, A4, Simplex (Black):Up to 17 ipm Scanner Type : Flatbed colour image scanner Sensor Type : CIS Optical Resolution:1200 x 2400 dpi Maximum Scan Area:216 x 297 mm (8.5 x 11.7") Scanner Bit Depth (Colour):48-bit input, 24-bit output Scanner Bit Depth (Grayscale):16-bit input, 8-bit output Scanner Bit Depth (Black & White):16-bit input, 1-bit output Scan Speed: Flatbed (200dpi): Monochrome: 12sec, Colour: 27secADF (200dpi): Monochrome: 7.0ipm ADF Capacity:64 to 95 g/m2 Paper Capacity:35 sheets of A4 paper Number of Paper Trays:2 Input Capacity: Cassette 1: 250 Sheets-A4 / Letter Plain Paper (80 g/m2); 10-sheets-Envelope; Rear Slot: 1 Sheet-A4 Plain Paper Output Capacity: Up to 100 sheets Maximum Paper Size:215.9 x 1200 mm (8.5 x 47.24") Paper Sizes:Legal, Indian-Legal (215 x 345 mm), 8.5 x 13", Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), Envelopes: #10, DL, C6 Paper Feed Method:Friction feed Print Margin:3 mm top, left, right, bottom via custom settings in printer driver Interface: USB 2.0 Network:Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct Network Protocol:TCP/IPv4, TCP/ LCD Screen:2.4" LCD Touch Screen PrintheadNozzle Configuration:400 x 2 nozzles Black Print Direction:Bi-directional printing Maximum Print Resolution:1200 x 2400 dpi (with Variable-Sized Droplet Technology)Minimum Ink Droplet Size:2.8 pl Print Speed:Draft Text - Memo, A4 (Black): Up to 39 ppm *1 ISO 24734, A4 (Black): Simplex: Up to 20 ipm, Duplex: 9.0 ipm *1 First Page Out Time (Black): Approx. 6 sec (simplex) / 13 sec (duplex) Automatic 2-sided Printing:Yes With Additional 2 pieces of Maintenance BoxWarranty : 4 years warranty 50,000 prints, whichever comes first. On-site repair by an authorized technician by the manufacturer.
30.	**MULTIFUNCTION COLORED PRINTER** Printer Type: Print, Scan, Copy with ADF Nozzle Configuration: 400 x 1 nozzles Black, 128 x 1 per Colour (Cyan, Magenta, Yellow) Maximum Resolution: 4800 x 1200 dpi Automatic 2-sided Printing: Yes (Up to A4) Print Speed: Photo Default - 10 x 15 cm / 4 x 6 " : Approx. 69 sec per photo / 92 sec per photo Draft, A4 (Black / Colour): Up to 33.0 ppm / 20.0 ppm*2 ISO 24734, A4 Simplex (Black / Colour): Simplex: Up to 15.5 ipm / 8.5 ipm First Page Out Time from Ready Mode (Black / Colour): Approx. 9 sec / 15 sec Maximum Copy Size: Legal Copy Resolution: 600 x 600 dpi ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 11.0 ipm / 5.5 ipm Scanner Type: Flatbed colour image scanner Sensor Type: CIS Optical Resolution: 1200 x 2400 dpi Maximum Scan Area: 216 x 297 mm (8.5 x 11.7 ") Scanner Bit Depth (Colour): 48-bit input, 24-bit output Flatbed (Black / Colour): 200dpi: 12 sec / 27 sec ADF Paper Capacity: 30 sheets Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24 ") Paper Size: Legal (8.5 x 14"), 8.5 x 13", Letter, A4, B5, A5, A6, Hagaki (100 x 148 mm), 16K (195 x 270 mm), Indian-Legal (215 x 345

	mm), B6, 5 x 7", 4 x 6", Envelopes #10, DL, C6 Interface : USB 2.0, Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct With Additional 2 pieces of Maintenance Box Warranty: 2 years Manufacturer Warranty
31.	BIOMETRICS DEVICE WITH FACE SCANNER Fingerprints : 5,000 Faces : 3,000 (1:N) / 4,000 (1:1) Transactions : 100,000 Communication : TCP/IP, USB Host, Wiegand Output Access Control Interface : Lock Relay Output, Alarm Output, Exit Button, Door Sensor, External Bell, 168 Infrared Sensors Hardware: 1.2GHz High Speed CPU Memory: 128MB RAM / 256MB Flash Standard Functions : ID Card / Work Code / WDMS, DST / SMS / Bell Schedule, Attendance Status Auto-Switch, Record Query / Photo ID, Custom Wallpaper & Screen Saver Special Functions : Precise facial recognition under strong sunlight (up to 60,000 Lux), Latest Facial Recognition Algorithm, Prevents repeated face registration Optional Functions: HID Proxy / Mifare Card Reader, Wi-Fi / 3G, External Printer, Battery (2,000 mAH) Warranty : 1 year local supplier warranty
32.	PHOTO PRINTER Printer Type: Print Paper Feed Method: Friction feed Number of Paper Trays: 1 Input Capacity: Up to 80 sheets of A3 Plain Paper (80g/m2) 50 sheets of Premium Glossy Output Capactiy: Up to 100 sheets of A3 Plain Paper Up to 30 sheets of Premium Glossy Support Paper Size: A6, A5, A4, A3, A3+, B6, B5, B4, 8K, 16K, Indian-Legal, Letter, 8 x 10", 8.5 x 13", Legal, 5 x 7", 4 x 6", 16:9 Wide, 105 x 148 mm, 3.5 x 5", 54 x 86 mm (ID card), Envelopes #10, DL, C6, C4 Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") PC Printing / PGPP Best Photo: Sound Power (Black / Colour) 4.9 / 5.0 B(A), Sound Pressure (Black / Colour) 40 / 40 dB(A) PC Printing / Plain Paper Default: Sound Power (Black / Colour) 6.3 / 6.1 B(A), Sound Pressure (Black / Colour) 50 / 48 dB(A) Nozzle Configuration: 180 x 1 nozzles Black, 180 x 1 per colour (Cyan, Magenta, Yellow, Light Cyan, Light Magenta) Print Direction: Bi-directional printing Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology) Minimum Ink Droplet Size: 1.5 pl ISO Print Speed: ISO 24734, A4 (Black / Colour): Simplex: Up to 8.0 ipm / 8.0 ipm, ISO 24734, A3 (Black / Colour): Simplex: Up to 3.0 ipm / 3.0 ipm First Page Out Time (Black / Colour): Approx. 14 sec / 14 sec Photo Default - 10 x 15 cm / 4 x 6" #3 (Border / Borderless): Approx. 27 sec / 27 sec Interface : USB 2.0, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct With Additional 2 pieces of Maintenance Box Warranty: 2 years manufacturer's warranty or Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers
33.	PORTABLE LABEL PRINTER, Width: 6, 9, 12, 18, 24 mmTape Type: LK Tape Cartridges Printing: Cutter Type: Automatic Full Cut Printing Technology: Thermal Transfer Printing Resolution: 180 dpi / 128 dot Text Data: Printable Lines: PC / App Dependent Memory: Files (Built-in Memory): PC / App Dependent Print Setting: Repeat Printing: Up to 99 (App) / 999 (PC) Character Settings: Font Sizes: 6 (App) / PC Dependent Vertical Printing: Yes Mirror Printing: Yes Barcode Printing: Yes, Wire Wrap: Yes, Flag Style (Double-sided): Yes, Double-sided Tab: Yes*Image Printing: Yes Interface: USB, Bluetooth Operating System: iOS, Android (Mobile), Windows, Mac OS (PC) Battery: 6AAA AC Adapter: Bundled Warranty: at least 1 year warranty
34.	PRESENTATION REMOTE Laser Class: Class 2 Laser Max Output: Less than 1mW Wireless technology 2.4 GHz wireless technology Battery type 2 AAA batteries Dimensions (+/- 10%) H x W x D: 37.8 mm x 115.5 mm x 27.4 mm Warranty: 3 years local supplier warranty
35.	A3 Wi-Fi AIO PRINTER Print, Scan, Copy, Fax with ADF Print Method: PrecisionCoreTM Printhead Minimum Ink Droplet Volume: 3.8 pl Print Direction: Bi-directional printing Nozzle Configuration: 800 x 1 nozzles

	Black, 256 x 1 nozzles per colour (Cyan, Magenta, Yellow) Maximum Resolution: 4800 x 2400 dpi Automatic 2-sided Printing: Yes (up to A3) Print Speed: Photo Default - 10 x 15 cm / 4 x 6 ": Approx. 43 sec per photo (Border) / 52 sec per photo (Borderless)*2 Draft, A4 (Black / Colour): Up to 32.0 ppm / 22.0 ppm Maximum Copy Size: A3 Copy Resolution: 600 x 600 dpi Scanner Type: Flatbed colour image scanner Sensor Type: CIS Optical Resolution: 1200 x 2400 dpi Maximum Scan Area: 297 x 431.8 (mm) Scanner Bit Depth (Colour): 48-bit input, 24-bit output Scan Speed (Flatbed / ADF (Simplex | Duplex)): 200dpi, Black: 5 sec / Up to 26.0 ipm | 11.5 ipm Paper Capacity: 50 sheets Number of Paper Trays: 3 (Front 2, Rear 1) Standard Paper Input Capacity: Cassette 1: 250 sheets for A4 Plain paper (80g/m2) 50 sheets for Premium Glossy Photo Paper Cassette 2: 250 sheets for A4 Plain paper (80 g/m2) Rear Slot: 50 sheets for A4 Plain paper (80 g/m2), 20 sheets for Premium Glossy Photo Paper Output Capacity: 125 sheets for A4 Plain paper (80 g/m2), 20 sheets for Premium Glossy Photo Paper Paper Sizes: A3, Super B (13 x 19"), Indian Legal, Letter, A4, 16K (195 x 270mm), 8K (270 x 390mm), Executive (7.25 x 10.5"), B4, B5, A5, B6, A6, 8.5 x 13", 5 x 7", 4 x 6", 8 x 10", Legal (8.5 x 14"), 16:9 wide, Envelopes: #10, DL, C6, C4 Paper Feed Method: Friction feed Interface: USB 2.0, Ethernet, Wi-Fi IEEE 802.11 b/g/n, Wi-Fi Direct LCD Screen: 4.3" Colour LCD Touch Screen With Additional 2 pieces of Maintenance Box Warranty : 2 years manufacturer's warranty or Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers
36.	WIDE FORMAT ALL-IN-ONE PRINTER Functions / Multitasking supported : Print, copy, scan, fax / Yes Print resolution : Black (best): Up to 1200 x 1200 rendered dpi; ; Color (best): Up to 4800 by 1200 Print technology : Thermal Inkjet, Optical Thermal Inkjet Print cartridges number : 4 (1 each black, cyan, magenta, yellow) Borderless printing : Yes (up to A3/11 x 17-in) Color scanning : Yes Scan type / Technology : Flatbed, ADF / Contact Image Sensor (CIS) Scan resolution : Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 dpi Scan Size : ADF: Two-sided (Duplex): 8.27 x 11.69 in; One-sided: 8.5 x 14 in Maximum; Flatbed: 11.69 x 17 in Copy speed : Black (ISO): Up to 18 cpm;; Color (ISO): Up to 13 cpm;; Black (draft): Up to 33 cpm;; Color (draft): Up to 31 cpm Copy resolution : Black (text and graphics): Up to 600 dpi; Up to 600 dpi; Color (text and graphics): Up to 600dpi Warranty : 4 Year Care Pack Business Priority Support with Onsite Exchange
37.	PROJECTOR W/ PRESENTER BUNDLE, Projection Technology: RGB liquid crystal shutter projection system (3LCD) White Light Output (Normal/Eco): 4,000 lm Colour Light Output: 4,000 lm USB Type A: 1 (For Wireless LAN, Firmware Update, Copy OSD Settings) USB Type B: 1 (For Firmware Update, Copy OSD Settings) Composite: 1 RCA D-Sub 15pin: 1 Digital Input: HDMI x 1 Audio Input: 2RCA (White & Red) x 1 Contrast Ratio:16,000:1 Standard Size:Tele: 33" to 320" [1.10 to 10.89 m], Wide: 33" to 320" [0.91 to 9.07 m] Vertical/Horizontal Keystone:±30° / ±30° (Auto Vertical Keystone only) Quick Corner:Yes LCD:Size: 0.59" (C2fine) Native Resolution: WXGA (1280 x 800) Lightsource:Type: 210W UHE Life (Normal / Eco): 6,000 / 12,000 hours Aspect Ratio:16:10 Accessories: Carrying Bag Warranty : 1 year local Supplier Warranty Presenter Laser Class : Class 2 Laser Max Output : Less than 1mW Wireless technology 2.4 GHz wireless technology Battery type 2 AAA batteries Dimensions (+/- 10%) H x W x D: 37.8 mm x 115.5 mm x 27.4 mm Warranty: 3 years local supplier warranty
38.	PROJECTOR Projection Technology: RGB liquid crystal shutter projection system (3LCD) White Light Output (Normal/Eco): 4,000 lm Colour Light Output: 4,000 lm USB Type A: 1 (For Wireless LAN, Firmware Update, Copy OSD Settings) USB Type B: 1 (For Firmware Update, Copy OSD Settings) Composite: 1 RCA D-Sub 15pin: 1 Digital Input: HDMI x 1 Audio Input: 2RCA (White & Red) x 1 Contrast Ratio:16,000:1 Standard Size:Tele: 33" to 320" [1.10 to 10.89 m], Wide: 33" to 320" [0.91 to 9.07 m] Vertical/Horizontal Keystone:±30° / ±30° (Auto Vertical Keystone only) Quick Corner:Yes LCD:Size: 0.59" (C2fine) Native Resolution: WXGA (1280 x 800)

	Lightsource:Type: 210W UHE Life (Normal / Eco): 6,000 / 12,000 hours Aspect Ratio:16:10 Accessories: Carrying Bag Warranty : 1 year local Supplier Warranty
39.	SC-LC FIBER PATCH Fiber Type: Single Mode Connector Type: Hybrid Size: 2.0mm Mode: Singlemode Duplex: Yes Length: 3 meters 9/125 μm Type: SC-LC OD:2.0MM UPC
40.	MICRO SD CARD Form Factor : microSDXC Capacity : 256GB Bus Speed Mode : UHS-I SDR104 Speed Class : Class 10, V30 Read : Up to 100MB/s Write : Up to 40MB/s Endurance Hours : 140,160 Protection : Water-proof, Temperature-proof, X-ray-proof, Magnetic-proof, Drop-proof, Wearout-proof Features : Extreme Endurance for Monitoring Devices, Built to last up to 140K hours, Record and Play in FHD or 4K, Critical data Safeguarded Warranty : 5 years manufacturer's warranty
41.	SFP TRANSCEIVER Transceiver Type: SFP Fiber Media Support: Single-Mode Speed: 1.25 Gbps Distance: 10 km Compliant Standard: IEEE802.3ah 1000BASE-BX-D Connector : Simplex LC connector Single/Bi Direction : Bi-direction Wavelength : Tx: 1550 nm, Rx: 1310 nm Cable Type : Single-mode 9/125 um fiber Power Supply : 3.3 V Hot Pluggable : Yes MSA Compliant : Yes RoHS Compliant: Yes
42.	SINGLE FUNCTION LASER PRINTER Print Speed Black Normal: Up to 20 ppm First Page Out Black: As fast as 8.3 sec Resolution: Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dp Duty Cycle (Monthly, A4) Up to 10,000 pages Print Technology: Laser Processor Speed: 400 MHz Connectivity, standard: Hi-Speed USB 2.0 port Paper handling input, standard 150-sheet input tray, 10-sheet priority tray Paper handling output, standard 100-sheet output tray Warranty: 4 Years Next Business Day Exchange Service
43.	SOLID STATE DRIVE Product Type: PCIe 4.0 NVMe SSD Encryption: AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667) Read/Write Speeds: 7,000/5,000 MB/s Capacity: 2TB Interface: PCIe® Gen 4.0 x 4, NVMe® 1.3c M.2 2280: Yes NAND Flash Memory : V-NAND 3bit MLC DRAM Cache Memory : 2GB LPDDR4 Warranty: 5 years manufacturer's warranty
44.	SSD NVME, 250GB SSD Product Type: PCIe 3.0 x4, NVMe 1.3 Encryption: AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667) Read/Write Speeds: 3,400/1,500 MB/s Capacity: 250GB Interface: PCIe Gen 3.0 x 4, NVMe 1.3c M.2 2280 : Yes NAND Flash Memory : V-NAND 3bit MLC DRAM Cache Memory : 512MB LPDDR4 Warranty: 5 years manufacturer's warranty
45.	SSD, 2.5 500GB SSD Product Type: SATA SSD Encryption: AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667) Read/Write Speeds: 560/530 MB/s Capacity: 500GB Interface: SATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & 1.5 interfaces 2.5-inch form factor: Yes, NAND Flash Memory: V-NAND 3bit MLC DRAM Cache Memory: 512MB LPDDR4 Warranty: 5 years manufacturer's warranty
46.	TESTER, OTDR Optical Fiber Tester Type: UPC Use: FTTX Fiber Type: Singlemode Application: FTTH System Language: English Wave: 1310/1550nm Display: 4.3 inch Product Name: Optical Time Domain Reflectometer / OTDR Inclusions: 1 x Host, 1 x AC/DC Power Adapter, 1x Data Line, 1 x SC Adapter, 1 x U Disk or TF Card (Contains Analysis Software / User's Manual), 1 x Fast Operation Manual, 1 x Certificate / Warranty Card, 1 x Calibration Certification, 10 x Alcohol Cotton Chips, 1 x Instrument Bag Warranty: 1 year local supplier warranty

47.	UNINTERRUPTED POWER SUPPLY, Rated power in W: 650 W Rated power in VA: 1200 VA Input Connection Type: IEC 60320 C14 Output connection: 4 x universal, 1 x IEC 60320 C13 Battery type: Lead-acid battery Mounting support Floor Network frequency 50/60 Hz +/- 5 Hz auto-sensing Input voltage limits 140 to 300 V 230 V AC Output frequency 50/60 Hz +/- 1 Hz sync to mains UPS type Line interactive Wave type: Stepped approximation to a sinewave IP degree of protection: IP20 Battery voltage: 12 V Battery capacity 9.0 Ah Battery life 2-to-3-year(s) Surge energy rate 273: J Mercury free: Yes Warranty: 2 years Local Supplier Warranty
48.	USB, 3.0 Type C Hub with HDMI RJ45 Network Port USB C Multiport Port Hub Thunderbolt 3 Type C Docking Station SD TF Card Reader Slot USB 3.0 Type C to HDMI Adapter HDMI Port supports 4k@30Hz, VGA Port supports 1080P@60Hz. When HDMI and VGA output simultaneously, the resolution is 1080P@60Hz. Multiple shielding structure, Aluminum Foil + Metal Braided + GND, to ensure stable signal transmission. Aluminum shell Efficient good heat dissipation.
49.	APPLE 96W USB-C POWER ADAPTER (to be used with existing equipment) The 96W USB-C Power Adapter offers fast, efficient charging at home, in the office, or on the go. It's compatible with numerous USB-C devices and charging cables. Apple recommends pairing this power adapter with your 14-inch MacBook Pro (2021) using a USB-C to MagSafe 3 Cable or USB-C Charge Cable to take advantage of fast charging, so you can go from 0 to 50 percent charge in around 30 minutes.
50.	APPLE USB-C CHARGE CABLE (to be used with existing equipment) USB-C Charge Cable (2 m) Compatible for Mcbook pro 20W USB-C Power Adapter
51.	USB, Type C Multi-card Reader Writer SD micro–SD CF Compact Flash SDDR-A631 Thing Weight 6.3 ounces Item Dimensions 4.84 x 2.28 x 0.72 inches Thing Dimensions LxWxH 4.84 x 2.28 x 0.72 inches Attachment and-play multi-design card peruser for SDHC and SDXC, microSD, and CompactFlash cards Works with UHS-II, UHS-I and non-UHS SD and microSD cards, and CompactFlash cards up to UDMA 7 USB 3.0 interface can move content up to 10x quicker than USB 2.0 interface,(1) in reverse viable with USB 2.0. Works with Windows and Mac PCs. Quick exchange rates of up to 312MB/s for SD and microSD cards, (1) up to 160MB/s for CompactFlash cards (1) (1)Based on standard CompactFlash, UHS-II SD, UHS-II microSD, and USB interface speeds; execution may shift contingent upon genuine card speed, use case and host gadget. 1MB=1,000,000 bytes.
52.	UTP CABLE - CAT 6 (BLUE), Conductors/ insulators: 24 AWG solid copper insulated with HPDEE Flame rating: PVC (CMR) – UL 1666 PoE compliance: Meets IEEE 802.3af and IEEE 802.3at for PoE applications Installation tension: 110 N (25 lbf) maximum Cable jacket: PVC (CMR) – Flame retardant PVC
53.	VOICE RECORDER, Specifications: Battery Type : Built-In Lithium Battery Built-In Memory : 4 GB Built-In Microphone : Yes Calendar Search : Yes LCD Backlight : Yes Maximum Files Per Folder : 199 Maximum Files (Total) : 5,000 Files (Including Number Of Folder) PC Connectivity : Yes Playback Format : LPCM/MP3/AAC/WMA Recording Format : Linear PCM/MP3 USB Connection Charging : Yes Scene Select : Yes Sync Recording Function: Yes Recording Monitor : Yes FM Radio Recording: Yes VOR : Yes A-B Repeat : Yes Digital Pitch Control (Speed Control) : Yes Divide : Yes Easy Search : Yes Erase : Yes File Copy :Yes Folder Name Change (Without Using PC) : Yes Graphic Equalizer : Yes Move File : Yes Noise Cut :Yes (Clear Voice) Protect :Yes Track Mark : Yes Features - Reduce background noise with Auto

	Voice Recording - Get a better sound with Auto Music Recording - Capture distant or quiet sounds with S-Microphone - Get to the point with Time Jump - Wider, brighter recording LED - Turn it up with Playback Normalization - See clearly with a larger OLED Display - USB direct connection for quick file transfer MicroSD card: Form Factor : microSDXC Capacity : 64GB Bus Speed Mode : UHS-I SDR104 Speed Class : Class 10, V10 Speed Grade : Grade 1 (U1) Transfer Speed : Up to 130MB/s Durability : 10,000 mating cycles Proof Features : Water-proof, Temperature-proof, X-ray-proof, Magnetic-proof, Drop-proof, Wearout-proof Features : Fast and Smooth, Expand and Store big, Fully protected Warranty: 1 year warranty"
54.	WIRELESS ROUTER Network Security: SPI Firewall, Access Control, IP & MAC Binding, Application Layer Gateway Guest Network: 2× 5 GHz Guest Network, 1× 2.4 GHz Guest Network VPN Server : OpenVPN, PPTP WiFi Encryption : WPA, WPA2, WPA3, WPA/WPA2-Enterprise (802.1x) Standards : IEEE 802.11ax/ac/n/a 5 GHz, IEEE 802.11ax/n/b/g 2.4 GHz WiFi Speeds: , 5 GHz: 4804 Mbps (802.11ax, HE160), 5 GHz: 1201 Mbps (802.11ax), 2.4 GHz: 574 Mbps (802.11ax) WiFi Range : 8× Detachable High-Performance Antennas, Beamforming, High-Power FEM, 4T4R WiFi Capacity : Tri-Band, 4×4 MU-MIMO, OFDMA, Airtime Fairness, DFS, 8 Streams Working Modes : Router Mode, Access Point Mode Processor : 1.5 GHz Quad-Core CPU Ethernet Ports: 1× 2.5 Gbps WAN/LAN Port, 1× Gigabit WAN/LAN Port, 3× Gigabit LAN Ports WAN Types: Dynamic IP, Static IP, PPPoE, PPTP, L2TP DHCP : Address Reservation, DHCP Client List, Server Warranty : 1 year local supplier warranty

Note: Bidders must state in the Statement of Compliance either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provision of **ITB** Clause 4.

Section VIII. Bid Documents Checklist

This Bid Documents Checklist is provided to guide the Bidder in preparing his/her bid. The checklist may be used by the Bidder to verify if the Bid includes all the prescribed documents.

The Bidder, in submitting the required documents, must use the prescribed forms found in Section X. Bidding Forms. However, should a bidder choose to use a different formatting style for a required document, the bidder must ensure that the substance in the form given in Section X for that particular document is substantially captured in the equivalent document.

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

Technical Documents

☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; and

☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; and

☐ (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission or Original copy of Notarized Bid Securing Declaration; and

☐ (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; and

☐ (f) Original duly signed Omnibus Sworn Statement (OSS) and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

☐ (g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) or A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class "B" Documents

☐ (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence or duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

☐ (i) Original of duly signed and accomplished Financial Bid Form; and

☐ (j) Original of duly signed and accomplished Price Schedule(s).

Section IX. Bidding Forms

TABLE OF CONTENTS

[*Bidder's Letterhead*]

<div align="right">[Date]</div>

To: Tarlac State University
Re: Invitation to Bid No.

List of All Ongoing Government and Private Contracts, Including Contracts Awarded But Not Yet Started

Row 1: Name of Contract Row 2: Location of Project Row 3: Contract Price	Row 1: Procuring Entity Row 2: Contact Person/Address Row 3: Telephone No.	Description of Goods	Row 1: Date of Award Row 2: Date Started Row 3: Contract Duration	Value of Outstanding Goods

Attached herewith are the following documents: Notice of Award, Notice to Proceed, and Official Receipts/Invoices, as evidences in support of the foregoing information.

I/We certify that the foregoing information and all of the supporting documents are true and correct.

<div align="right">

[*Signature*]
[*Name of Bidder or Authorized Representative*]
[*Position or Title*]

</div>

[*Bidder's Letterhead*]

[*Date*]

To: Tarlac State University
Re: Invitation to Bid No.

Statement of Single Largest Completed Contract Similar to the Contract to be Bid

Row 1: Name of Contract Row 2: Location	Contract Price	Row 1: Procuring Entity Row 2: Address Row 3: Contact Person/Tel. No.	Description of Goods	Date of Award	Date Completed

Attached herewith are the following documents: Contract Agreement, Notice of Award, Notice to Proceed, Official Receipt/Invoice, Certificate of Final Inspection, and Certificate of Acceptance, as evidences in support of the foregoing information.

I/We certify that the foregoing information and all of the supporting documents are true and correct.

[*Signature*]
[*Name of Bidder or Authorized Representative*]
[*Position or Title*

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Bid-Securing Declaration

Republic of the Philippines
City/Municipality Of _____) **S.S.**

x--x

Invitation to Bid *[Insert reference number]*

To: **Tarlac State University**

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.

2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1 (f), of the IRR of RA 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid-Securing Declaration shall cease to be valid on the following circumstances:

   a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;

   b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and

      i) I/we failed to timely file a request for reconsideration or

      ii) I/we filed a waiver to avail of said right;

   c. I am/we are declared as the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month] [year]* at *[place of execution]*.

[*Signature*]
[*Name of Bidder's Authorized Representative*
[*Signatory's legal capacity*]
Affiant

SUBSCRIBED AND SWORN to before me this __ day of *[month] [year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____.

Witness my hand and seal this ___ day of *[month] [year]*.

[*Name and Signature of Notary Public*]

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. __, *[date issued], [place issued]*

IBP No. __, *[date issued], [place issued]*

Doc. No. ___

Page No. ___

Book No. ___

Series of ____.

<p align="center">[Bidder's Letterhead]</p>

<p align="right">[Date]</p>

To: Tarlac State University
Re: Invitation to Bid No.

<p align="center">**Compliance to the Technical Specifications**</p>

Item No.	Description	**Bidder's Compliance** State "Comply" below *if your offer is complying with the specifications, otherwise state* "We are offering the same goods with the following specifications [*State the complete specifications of the alternative offer*]
IT Tools, Supplies, and Accessories		
1.	PORTABLE SSD Interface : USB 3.2 Gen2 (10Gbps) Capacity : 1TB Sequential Read : Up to 1,050 MB/sec Sequential Write : Up to 1,000 MB/sec Water / Dust Resistant : IP 65 Drop Resistant : Up to 3m Encryption :AES 256-bit hardware encryption Reliability, Shock : 1,500G, duration: 0.5ms, 3 axis Certifications : CE, BSMI, KC, VCCI, C-tick, FCC, IC, UL, TUV, CB, EAC, UKCA, BIS Warranty : 3 years manufacturer warranty	
2.	ADAPTER, HDMI to VGA Adapter HDMI to VGA Converter Color: Black Interface Type: HDMI 1.4 Male, VGA Female Interface Process: Gold-Plated (HDMI), Nickel Plated (VGA) Resolution: 1080p@60hz Conductor Material: Pure Copper, ABS Cable Length: 15cm Cable Od.: 5.0mm Shielding: Aluminium Foil + Metal Braided AWG: 30awg Warranty: 1 Year Local Supplier Warranty	
3.	NETWORK ATTACHED STORAGE CPU: Intel Celeron J4025 2-core 2.0 GHz, burst up to 2.9 GHz Hardware Encryption Engine: Yes System Memory: 2 GB DDR4 Drive Bays: 2 Compatible Drive Type : 2 x 3.5" SATA HDD, 2.5" SATA SSD Hot Swappable Drive : Yes RJ-45 1GbE LAN Port: 2 USB 3.0 Port: 2 Internal Drives: Btrfs, EXT4 External Drives: Btrfs, EXT4, EXT3, FAT, NTFS, HFS+, exFAT Warranty: 2 years local supplier warranty NAS Hard Disk Capacity: 4TB Form Factor: 3.5" inch Rotational speed (RPM): 5,400 RPM Interface: SATA 6Gb/s Warranty: 2 Years Local Supplier Warranty	
4.	BIOMETRICS, Device RF Optional : 125kHz EM / 13.56MHz IC Max User(1:N): 10,000 Max Fingerprint (1:N): 3,000 standard / 10,000 Optional Max Record100,000 TCP/IP : 10/100 M PoE Optional : 802.3 at 28W Wi-Fi : 802.11 B/G/N 3G Optional : WCDMA SB :USB 2.0 (Host) RS232 : 1 port for external printer LCD : 3.0"Color LCD Sound : 24-bit Power DC : 12V 1.5A Certificates : CE, FCC, RoHS Standard : Automatic Status Switch, Self-Service Query, DST, T9	

<p align="center">33</p>

	Input, 9 Digit User ID, Scheduled Bell, Photo ID, Lock, sensor, Exit button Warranty : 1 year local supplier warranty	
5.	WEB CAMERA, 720p HD Max Resolution: 720p/30fps Camera mega pixel: 1.2 Focus type: fixed focus Lens type: plastic Built-in mic: Mono Mic range: Up to 1 m Diagonal field of vieaw (dFoV): 60° Universal mounting clip Auto Light Correction: Yes, Noise Cancelling Mic: Yes Warranty: 2 years local supplier warranty	
6.	COMPUTER TABLET FOR MOBILE APP DEVELOPMENT Features: CPU Speed: 2.4 GHz, 2 GHz CPU Type: Octa-Core Display : 10.9 inches Technology (Main Display) : TFT Color Depth (Main Display) : 16M Video Recording Resolution : UHD 4K (3840 x 2160) @ 30fps Memory (GB) : 6 Storage (GB) : 128 External Storage Support : MicroSD (Up to 1TB) USB Version : USB 2.0 Location Technology : GPS, Glonass, Beidou, Galileo, QZSS Wi-Fi: 802.11 a / b / g / n / ac / ax 2.4G+ 5GHz, HE80, MIMO, 1024-QAM Wi-Fi Direct : Yes Bluetooth Version : Bluetooth v5.3 Bluetooth Profiles : A2DP, AVRCP, DI, HID, HOGP, OPP, PAN OS : Android Sensors : Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor Warranty : warranty care plan for two years. Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers	
7.	COMPUTER TABLET, Features: CPU Speed 2Ghz, 1.8Ghz CPU Type: Octa-Core Display: 10.4 inches Technology (Main Display) : TFT Color Depth (Main Display) : 16M Video Recording Resolution : FHD (1920 x 1080) @ 30fps Memory (GB) : 3 Storage (GB) : 64 External Storage Support : MicroSD (Up to 1TB) USB Version : USB 2.0 Location Technology : GPS, Glonass, Beidou, Galileo Earjack : 3.5mm Stereo Wi-Fi: 802.11 a / b / g / n / ac 2.4G+ 5GHz, VHT80 Wi-Fi Direct : Yes Bluetooth Version : Bluetooth v5.1 Bluetooth Profiles : A2DP, AVRCP, DI, HID, HOGP, OPP, PAN OS : Android Sensors : Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor Warranty: warranty care plan for two years. Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers	
8.	COMPUTER TABLET FOR MOBILE APP DEVELOPMENT Capacity :256GB Display: 10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology 2360-by-1640-pixel resolution at 264 pixels per inch (ppi) Chip : Bionic Chip, 6core CPU, 4-core graphics, 16-core Neural Engine Camera : 12MP Wide camera f/1.8 aperture Digital zoom up to 5x Five-element lens Front Camera : 12MP Ultra-Wide camera, 122° field of view, f/2.4 aperture, Smart HDR 3, 1080p HD video recording at 25 fps, 30 fps, or 60 fps Microphones : Dual Microphones Wireless : Wi-Fi 6 (802.11ax) with 2x2 MIMO; speeds up to 1.2 Gbps, Simultaneous dual band, Bluetooth 5.2 Sensors : Touch ID, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor Battery : Built-in 28.6-watt-hour rechargeable lithium polymer battery Inclusions : Tablet, Lightning to USB-C Cable, 20W USB-C Power Adapter Warranty : warranty care plan for one year. Repair or Replacement,	

	coverage both parts and labor, from manufacturer's authorized technicians or service centers	
9.	DOT MATRIX PRINTER, Control Panel: 6 switches and 10 LEDs Print Direction: Bi-direction with logic seeking Printing Method :Impact dot matrix Number of Pins in Head:9 pins Control Code:ESC/P2, IBM PPDS Printhead Life: 200 million strokes/wire Mean Print Volume Between Failure (MVBF):30 million lines (except print head) Mean Time Between Failure (MTBF): 15,000 Power On Hours (POH) (25% Duty) Barcode: EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET Supported Papers : Cut Sheet (Single Sheet), Cut Sheet (Multi-part Sheet), Continuous Paper (Single Sheet / Multi-part, Envelope (No. 6), Envelope (No. 10), Label (Base Sheet), Card, Roll Paper Ribbon Cartridge Black:Standard: Fabric Ribbon Cartridge (Black) Ribbon Life: Approx. 12 million Characters Interface ; USB 2.0 Warranty : 1 year manufacturer warranty	
10.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 1TB Connector: Micro-B Interface: UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate: up to 5Gb/s Warranty: 3 years manufacturer warranty	
11.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 2TB Connector: Micro-B Interface: UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate: up to 5Gb/s Warranty: 3 years manufacturer warranty	
12.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 4TB Connector: Micro-B Interface : UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate : up to 5Gb/s Warranty : 3 years manufacturer warranty	
13.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 5TB Connector: Micro-B Interface: UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate: up to 5Gb/s Warranty: 3 years manufacturer warranty	
14.	EXTERNAL STORAGE DRIVE Interface: Compatible with USB 3.2 Gen2 (10 Gbps), backwards compatible Capacity :500GB Transfer Speed: Up to 1,050 MB/s Features: Built strong and secure Dynamic Thermal Guard solid aluminum unibody construction Warranty: 3 years Local Supplier warranty	
15.	FIBER OPTIC CABLE, 1 core, 2km length Minimum bending radius: 3.8 cm Tensile Strength : 45 kilograms Reinforcement Material : Reinforced Phosphating Stell Wire Core count : 1 Length : 2 kilometers Color : Black Fiber Type : Outdoor Leather Fiber Optic Cable	
16.	FIBER CABLE, Shrinkable sleeve 100pcs/box 60mm fiber optic sleeve Characteristics: Single holed (pre-shrunk) Clear sleeve design Smooth stainless steel reinforcing member Sealing structure suitable to temperature Extended liner length Low shrink temperature pre-installed stainless steel or ceramic rod	

	Accommodates single or ribbon fibers Wide range of sizes Operating temperature -45degree to 100degree Min. full recovery temp: 120degree	
17.	FLASH DRIVE Feature, Ultimate portability, Quick and Convenient Capacity: 64GB Speed: USB 3.2 Gen 1 compliant Warranty: 1 year local supplier warranty	
18.	GIGABIT ETHERNET SWITCH, 16-PORT Number of Ports : Sixteen (16) 10/100/1000 Gigabit ports Standards : IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T , ANSI/IEEE 802.3 NWay auto-negotiation, IEEE 802.3x Flow Control Data Transfer Rates Ethernet: 10 Mbps (half duplex) / 20 Mbps (full duplex) 100 Mbps (half duplex) / 200 Mbps (full duplex), 2000 Mbps (full duplex Security Storm : Control QoS (Quality of Service) : 802.1p priority, 8 queues Protocol : CSMA/CD Switching Capacity : 32 Gbps MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control MTBF 1,882,372 hours Warranty : 1 year local supplier warranty	
19.	GIGABIT ETHERNET SWITCH, 24-PORT Number of Ports : Twenty-four (24) 10/100/1000 Gigabit ports Standards : IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T , ANSI/IEEE 802.3 NWay auto-negotiation, IEEE 802.3x Flow Control Data Transfer Rates Ethernet: 10 Mbps (half duplex) / 20 Mbps (full duplex) 100 Mbps (half duplex) / 200 Mbps (full duplex), 2000 Mbps (full duplex Security Storm : Control QoS (Quality of Service) : 802.1p priority, 8 queues Protocol : CSMA/CD Switching Capacity : 32 Gbps MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control MTBF : 863,100 hours Warranty : 1 year local supplier warranty	
20.	GIGABIT ETHERNET SWITCH, 8-PORT Standards and Protocols : IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p, IEEE 802.3at Interface : Eight 10/100/1000Mbps RJ45 Ports, AUTO Negotiation/AUTO MDI/MDIX PoE Ports (RJ45) : Standard: 802.3 af/at compliant, PoE Ports: Port 1- Port 4, PoE Power Budget: 64W Switching Capacity : 16 Gbps Packet Forwarding Rate : 11.9 Mpps Quality of Service : Support Port-Based/802.1p/DSCP priority, Support 4 priority queues, Rate Limit, Storm Control L2 Features : IGMP Snooping V1/V2/V3, Static Link Aggregation, Port Mirroring, Cable Diagnostics, Loop Prevention, PoE Auto Recovery Transmission Method : Store-And-Forward Warranty : 1 year local supplier warranty	
21.	STACKABLE SMART MANAGED SWITCH WITH 10G UPLINKS SWITCH WITH SFP MODULES PORT Standards & Functions: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, 802.3ae 10 GbE, IEEE 802.3x Flow Control for Full-Duplex Mode, Auto-negotiation Number of Ports: 16 x 10/100/1000 Mbps, 2 x Gigabit SFP, 2 x 10G SFP+ Network Cables : UTP Cat. 5, Cat. 5e (100 m max.) EIA/TIA-568 100-ohm STP (100 m max.) Full/Half Duplex : Full/half-duplex for 10/100 Mbps and full-duplex for 1000 Mbps speed Media Interface	

	Exchange : Auto or configurable MDI/MDIX Switching Capacity : 76Gbps Transmission Method : Store-and-forward Maximum 64 bytes Packet Forwarding Rate : 56.54 Mpps Diagnostic LEDs : Power/Stacking ID/Fan (per device) Link/Activity/Speed (per 10/100/1000 Mbps port), Link/ Activity/Speed (per Gigabit SFP port), Link/Activity/Speed (per 10G SFP+ port) With included 2 units of 10G SFP modules, same brand with the switch to ensure compatibility. included 2 units of 1G SFP modules, same brand with the switch to ensure compatibility. Warranty: 1-year local supplier warranty	
22.	HARD DRIVE, 12TB Hard Drive for Server Computer Class: Enterprise-Class SATA HDD Form factor 3.5-inch Interface SATA 6 Gb/s 512n / 512e user sectors per drive: 512e Formatted capacity: 12TB Data Transfer Rate (max Sustained): 255MB/s RPM: 7200 Cache: 256MB MTBF (hours, projected): 2,000,000 Acoustics (average): Idle Mode 20 dBA, Seek Mode 36 dBA Features: Helio Seal technology, Enhance Reliability, Vibration Protection Warranty: 5 years local supplier warranty	
23.	HARD DRIVE, 600GB Hard Drive for Storage Server Class: Enterprise Class Type: Hard Drive Capacity: 600 GB Form Factor: 2.5 Interface: Sas 12 GB/S Data Transfer Rate: 1.2 Gbps Spindle Speed: 15000 Rpm Device Type: Hard Drive Capacity: 600 GB Form Factor: 2.5 Interface: SAS 12GB/S Drive Transfer Rate: 1.2 Gbps (External) Spindle Speed: 15000 Rpm Hard drive must be compatible with IBM Storwize V3700 Warranty: 5 years local supplier warranty	
24.	HDMI CABLE (10 METERS), "HDMI Cable (10 Meters) Color: Black Interface Type: Standard HDMI Interface Process: Gold-plated Resolution: 4K 60Hz - 1080P 60Hz Conductor Material: Pure Copper Jacket: PVC Head: Two-color PVC injection Cable Length: 10 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminum foil mylar+Metal Braied AWG: 30AWG"	
25.	HDMI CABLE (5 METERS), "HDMI Cable (5 Meters) Color: Black Interface Type: Standard HDMI Interface Process: Gold-plated Resolution: 4K 60Hz - 1080P 60Hz Conductor Material: Pure Copper Jacket: PVC Head: Two-color PVC injection Cable Length: 5 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminum foil mylar+Metal Braied AWG: 30AWG"	
26.	HEADPHONE W/ MIC, HD 720p Video Calls in a sturdy design Widescreen HD 720p Video Calls Mono Noise Reducing Mic HD video calling (1280 x 720 pixels) Photos: up to 5.0 megapixels (software enhanced) Built-in mic with Right Sound™ technology Hi-Speed USB 2.0 certified Universal clip fits laptops, LCD or CRT monitors Right Light™ 2 technology Video and photo capture Works with most instant messaging applications Warranty: at least 1 year warranty (2024)	
27.	HIGH SPEED SCANNER, Scanner Type A4 sheet-fed, one-pass duplex colour scanner Sensor Type Contact Image Sensor (CIS) x 2 Scanning Method Fixed carriage and moving document Optical Resolution 600 x 600 dpi Output Resolution 50 - 1,200 dpi (in 1 dpi increments) Scanner Bit Depth (Colour) 48-bit input, 24-bit output Max. Document Size 215.9 x 3,048 mm Scan Speed Resolution "200dpi: 26 ppm / 52 ipm (Monochrome, Colour) 300dpi: 26 ppm / 52 ipm	

	(Monochrome, Colour) 600dpi: 21 ppm / 42 ipm (Monochrome), 7.0 ppm / 14 ipm (Colour)" ADF Capacity 50 sheets (80g/m2) Daily Duty Cycle up to 3,000 sheets / day Interface USB 2.0 Warranty 1 year warranty	
28.	IMPACT DOT MATRIX PRINTER Print Method: Impact dot matrix Number of Pins: 24 High Speed Draft: 10/12cpi: 487/584 cps Printhead Life: 400 million strokes/wire Character Sets: 1 Italic and 12 graphical character tables: Italic table, PC437 (US, StandardEurope), PC850 (Multilingual), PC860 (Portuguese), PC861 (Icelandic), PC865 (Nordic), PC863 (Canadian-French), Abicomp, BRASCII, Roman 8, ISO Latin 1, PC858, ISO 8859-15 Continuous Paper (Single Sheet/ Multi-part): Entry: Front, Rear, Bottom Length: 101.6-558.8mm (4.0-22.0") Width: 101.6-254mm (4.0-10.0") Thickness: 0.065-0.49mm (0.0025-0.019") Copies: Original + 6 copies Push Tractor: Front or rear in, top out Pull Tractor: Fornt, rear or bottom in, top out Interface: USB 2.0, Bi-directional parallel USB 2.0, Bi-directional parallel Warranty: 1 year local supplier warranty	
29.	MONOCHROME - MULTIFUNCTION INKJET PRINTER W/ MAINTENANCE BOX Printer Type: Print, Scan, Copy, Fax with ADF Maximum Copies from Standalone:99 copies Reduction / Enlargement:25 – 400 % Auto Fit Function Maximum Copy Resolution: 600 x 600 dpi Maximum Copy Size:Legal (ADF) ISO 29183, A4, Simplex (Black):Up to 17 ipm Scanner Type : Flatbed colour image scanner Sensor Type : CIS Optical Resolution:1200 x 2400 dpi Maximum Scan Area:216 x 297 mm (8.5 x 11.7") Scanner Bit Depth (Colour):48-bit input, 24-bit output Scanner Bit Depth (Grayscale):16-bit input, 8-bit output Scanner Bit Depth (Black & White):16-bit input, 1-bit output Scan Speed: Flatbed (200dpi): Monochrome: 12sec, Colour: 27secADF (200dpi): Monochrome: 7.0ipm ADF Capacity:64 to 95 g/m2 Paper Capacity:35 sheets of A4 paper Number of Paper Trays:2 Input Capacity: Cassette 1: 250 Sheets-A4 / Letter Plain Paper (80 g/m2); 10-sheets-Envelope; Rear Slot: 1 Sheet-A4 Plain Paper Output Capacity: Up to 100 sheets Maximum Paper Size:215.9 x 1200 mm (8.5 x 47.24") Paper Sizes:Legal, Indian-Legal (215 x 345 mm), 8.5 x 13", Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), Envelopes: #10, DL, C6 Paper Feed Method:Friction feed Print Margin:3 mm top, left, right, bottom via custom settings in printer driver Interface: USB 2.0 Network:Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct Network Protocol:TCP/IPv4, TCP/ LCD Screen:2.4" LCD Touch Screen PrintheadNozzle Configuration:400 x 2 nozzles Black Print Direction:Bi-directional printing Maximum Print Resolution:1200 x 2400 dpi (with Variable-Sized Droplet Technology)Minimum Ink Droplet Size:2.8 pl Print Speed:Draft Text - Memo, A4 (Black): Up to 39 ppm *1 ISO 24734, A4 (Black): Simplex: Up to 20 ipm, Duplex: 9.0 ipm *1 First Page Out Time (Black): Approx. 6 sec (simplex) / 13 sec (duplex) Automatic 2-sided Printing:Yes With Additional 2 pieces of Maintenance BoxWarranty : 4 years warranty 50,000 prints, whichever comes first. On-site repair by an authorized technician by the manufacturer.	
30.	MULTIFUNCTION COLORED PRINTER Printer Type: Print, Scan, Copy with ADF Nozzle Configuration: 400 x 1 nozzles Black, 128 x 1 per Colour (Cyan, Magenta, Yellow) Maximum Resolution: 4800 x 1200 dpi Automatic 2-sided	

	Printing: Yes (Up to A4) Print Speed: Photo Default - 10 x 15 cm / 4 x 6 " : Approx. 69 sec per photo / 92 sec per photo Draft, A4 (Black / Colour): Up to 33.0 ppm / 20.0 ppm*2 ISO 24734, A4 Simplex (Black / Colour): Simplex: Up to 15.5 ipm / 8.5 ipm First Page Out Time from Ready Mode (Black / Colour): Approx. 9 sec / 15 sec Maximum Copy Size: Legal Copy Resolution: 600 x 600 dpi ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 11.0 ipm / 5.5 ipm Scanner Type: Flatbed colour image scanner Sensor Type: CIS Optical Resolution: 1200 x 2400 dpi Maximum Scan Area: 216 x 297 mm (8.5 x 11.7 ") Scanner Bit Depth (Colour): 48-bit input, 24-bit output Flatbed (Black / Colour): 200dpi: 12 sec / 27 sec ADF Paper Capacity: 30 sheets Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24 ") Paper Size: Legal (8.5 x 14"), 8.5 x 13", Letter, A4, B5, A5, A6, Hagaki (100 x 148 mm), 16K (195 x 270 mm), Indian-Legal (215 x 345 mm), B6, 5 x 7", 4 x 6", Envelopes #10, DL, C6 Interface : USB 2.0, Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct With Additional 2 pieces of Maintenance Box Warranty: 2 years Manufacturer Warranty
31.	BIOMETRICS DEVICE WITH FACE SCANNER Fingerprints : 5,000 Faces : 3,000 (1:N) / 4,000 (1:1) Transactions : 100,000 Communication : TCP/IP, USB Host, Wiegand Output Access Control Interface : Lock Relay Output, Alarm Output, Exit Button, Door Sensor, External Bell, 168 Infrared Sensors Hardware: 1.2GHz High Speed CPU Memory: 128MB RAM / 256MB Flash Standard Functions : ID Card / Work Code / WDMS, DST / SMS / Bell Schedule, Attendance Status Auto-Switch, Record Query / Photo ID, Custom Wallpaper & Screen Saver Special Functions : Precise facial recognition under strong sunlight (up to 60,000 Lux), Latest Facial Recognition Algorithm, Prevents repeated face registration Optional Functions: HID Proxy / Mifare Card Reader, Wi-Fi / 3G, External Printer, Battery (2,000 mAH) Warranty : 1 year local supplier warranty
32.	PHOTO PRINTER Printer Type: Print Paper Feed Method: Friction feed Number of Paper Trays: 1 Input Capacity: Up to 80 sheets of A3 Plain Paper (80g/m2) 50 sheets of Premium Glossy Output Capactiy: Up to 100 sheets of A3 Plain Paper Up to 30 sheets of Premium Glossy Support Paper Size: A6, A5, A4, A3, A3+, B6, B5, B4, 8K, 16K, Indian-Legal, Letter, 8 x 10", 8.5 x 13", Legal, 5 x 7", 4 x 6", 16:9 Wide, 105 x 148 mm, 3.5 x 5", 54 x 86 mm (ID card), Envelopes #10, DL, C6, C4 Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") PC Printing / PGPP Best Photo: Sound Power (Black / Colour) 4.9 / 5.0 B(A), Sound Pressure (Black / Colour) 40 / 40 dB(A) PC Printing / Plain Paper Default: Sound Power (Black / Colour) 6.3 / 6.1 B(A), Sound Pressure (Black / Colour) 50 / 48 dB(A) Nozzle Configuration: 180 x 1 nozzles Black, 180 x 1 per colour (Cyan, Magenta, Yellow, Light Cyan, Light Magenta) Print Direction: Bi-directional printing Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology) Minimum Ink Droplet Size: 1.5 pl ISO Print Speed: ISO 24734, A4 (Black / Colour): Simplex: Up to 8.0 ipm / 8.0 ipm, ISO 24734, A3 (Black / Colour): Simplex: Up to 3.0 ipm / 3.0 ipm First Page Out Time (Black / Colour): Approx. 14 sec / 14 sec Photo Default - 10 x 15 cm / 4 x 6" #3 (Border / Borderless): Approx. 27 sec / 27 sec Interface : USB 2.0, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct With Additional 2 pieces of Maintenance Box Warranty: 2 years manufacturer's warranty or Repair or Replacement, coverage both

	parts and labor, from manufacturer's authorized technicians or service centers	
33.	PORTABLE LABEL PRINTER, Width: 6, 9, 12, 18, 24 mmTape Type: LK Tape Cartridges Printing: Cutter Type: Automatic Full Cut Printing Technology: Thermal Transfer Printing Resolution: 180 dpi / 128 dot Text Data: Printable Lines: PC / App Dependent Memory: Files (Built-in Memory): PC / App Dependent Print Setting: Repeat Printing: Up to 99 (App) / 999 (PC) Character Settings: Font Sizes: 6 (App) / PC Dependent Vertical Printing: Yes Mirror Printing: Yes Barcode Printing: Yes, Wire Wrap: Yes, Flag Style (Double-sided): Yes, Double-sided Tab: Yes*Image Printing: Yes Interface: USB, Bluetooth Operating System: iOS, Android (Mobile), Windows, Mac OS (PC) Battery: 6AAA AC Adapter: Bundled Warranty: at least 1 year warranty	
34.	PRESENTATION REMOTE Laser Class: Class 2 Laser Max Output: Less than 1mW Wireless technology 2.4 GHz wireless technology Battery type 2 AAA batteries Dimensions (+/- 10%) H x W x D: 37.8 mm x 115.5 mm x 27.4 mm Warranty: 3 years local supplier warranty	
35.	A3 Wi-Fi AIO PRINTER Print, Scan, Copy, Fax with ADF Print Method: PrecisionCoreTM Printhead Minimum Ink Droplet Volume: 3.8 pl Print Direction: Bi-directional printing Nozzle Configuration: 800 x 1 nozzles Black, 256 x 1 nozzles per colour (Cyan, Magenta, Yellow) Maximum Resolution: 4800 x 2400 dpi Automatic 2-sided Printing: Yes (up to A3) Print Speed: Photo Default - 10 x 15 cm / 4 x 6 ": Approx. 43 sec per photo (Border) / 52 sec per photo (Borderless)*2 Draft, A4 (Black / Colour): Up to 32.0 ppm / 22.0 ppm Maximum Copy Size: A3 Copy Resolution: 600 x 600 dpi Scanner Type: Flatbed colour image scanner Sensor Type: CIS Optical Resolution: 1200 x 2400 dpi Maximum Scan Area: 297 x 431.8 (mm) Scanner Bit Depth (Colour): 48-bit input, 24-bit output Scan Speed (Flatbed / ADF (Simplex | Duplex)): 200dpi, Black: 5 sec / Up to 26.0 ipm | 11.5 ipm Paper Capacity: 50 sheets Number of Paper Trays: 3 (Front 2, Rear 1) Standard Paper Input Capacity: Cassette 1: 250 sheets for A4 Plain paper (80g/m2) 50 sheets for Premium Glossy Photo Paper Cassette 2: 250 sheets for A4 Plain paper (80 g/m2) Rear Slot: 50 sheets for A4 Plain paper (80 g/m2), 20 sheets for Premium Glossy Photo Paper Output Capacity: 125 sheets for A4 Plain paper (80 g/m2), 20 sheets for Premium Glossy Photo Paper Paper Sizes: A3, Super B (13 x 19"), Indian Legal, Letter, A4, 16K (195 x 270mm), 8K (270 x 390mm), Executive (7.25 x 10.5"), B4, B5, A5, B6, A6, 8.5 x 13", 5 x 7", 4 x 6", 8 x 10", Legal (8.5 x 14"), 16:9 wide, Envelopes: #10, DL, C6, C4 Paper Feed Method: Friction feed Interface: USB 2.0, Ethernet, Wi-Fi IEEE 802.11 b/g/n, Wi-Fi Direct LCD Screen: 4.3" Colour LCD Touch Screen With Additional 2 pieces of Maintenance Box Warranty : 2 years manufacturer's warranty or Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers	
36.	WIDE FORMAT ALL-IN-ONE PRINTER Functions / Multitasking supported : Print, copy, scan, fax / Yes Print resolution : Black (best): Up to 1200 x 1200 rendered dpi; ; Color (best): Up to 4800 by 1200 Print technology : Thermal Inkjet, Optical Thermal Inkjet Print cartridges number : 4 (1 each black, cyan, magenta, yellow) Borderless printing : Yes (up to	

	A3/11 x 17-in) Color scanning : Yes Scan type / Technology : Flatbed, ADF / Contact Image Sensor (CIS) Scan resolution : Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 dpi Scan Size : ADF: Two-sided (Duplex): 8.27 x 11.69 in; One-sided: 8.5 x 14 in Maximum; Flatbed: 11.69 x 17 in Copy speed : Black (ISO): Up to 18 cpm;; Color (ISO): Up to 13 cpm;; Black (draft): Up to 33 cpm;; Color (draft): Up to 31 cpm Copy resolution : Black (text and graphics): Up to 600 dpi; Up to 600 dpi; Color (text and graphics): Up to 600dpi Warranty : 4 Year Care Pack Business Priority Support with Onsite Exchange	
37.	PROJECTOR W/ PRESENTER BUNDLE, Projection Technology: RGB liquid crystal shutter projection system (3LCD) White Light Output (Normal/Eco): 4,000 lm Colour Light Output: 4,000 lm USB Type A: 1 (For Wireless LAN, Firmware Update, Copy OSD Settings) USB Type B: 1 (For Firmware Update, Copy OSD Settings) Composite: 1 RCA D-Sub 15pin: 1 Digital Input: HDMI x 1 Audio Input: 2RCA (White & Red) x 1 Contrast Ratio:16,000:1 Standard Size:Tele: 33" to 320" [1.10 to 10.89 m], Wide: 33" to 320" [0.91 to 9.07 m] Vertical/Horizontal Keystone:±30° / ±30° (Auto Vertical Keystone only) Quick Corner:Yes LCD:Size: 0.59" (C2fine) Native Resolution: WXGA (1280 x 800) Lightsource:Type: 210W UHE Life (Normal / Eco): 6,000 / 12,000 hours Aspect Ratio:16:10 Accessories: Carrying Bag Warranty : 1 year local Supplier Warranty Presenter Laser Class : Class 2 Laser Max Output : Less than 1mW Wireless technology 2.4 GHz wireless technology Battery type 2 AAA batteries Dimensions (+/- 10%) H x W x D: 37.8 mm x 115.5 mm x 27.4 mm Warranty: 3 years local supplier warranty	
38.	PROJECTOR Projection Technology: RGB liquid crystal shutter projection system (3LCD) White Light Output (Normal/Eco): 4,000 lm Colour Light Output: 4,000 lm USB Type A: 1 (For Wireless LAN, Firmware Update, Copy OSD Settings) USB Type B: 1 (For Firmware Update, Copy OSD Settings) Composite: 1 RCA D-Sub 15pin: 1 Digital Input: HDMI x 1 Audio Input: 2RCA (White & Red) x 1 Contrast Ratio:16,000:1 Standard Size:Tele: 33" to 320" [1.10 to 10.89 m], Wide: 33" to 320" [0.91 to 9.07 m] Vertical/Horizontal Keystone:±30° / ±30° (Auto Vertical Keystone only) Quick Corner:Yes LCD:Size: 0.59" (C2fine) Native Resolution: WXGA (1280 x 800) Lightsource:Type: 210W UHE Life (Normal / Eco): 6,000 / 12,000 hours Aspect Ratio:16:10 Accessories: Carrying Bag Warranty : 1 year local Supplier Warranty	
39.	SC-LC FIBER PATCH Fiber Type: Single Mode Connector Type: Hybrid Size: 2.0mm Mode: Singlemode Duplex: Yes Length: 3 meters 9/125 μm Type: SC-LC OD:2.0MM UPC	
40.	MICRO SD CARD Form Factor : microSDXC Capacity : 256GB Bus Speed Mode : UHS-I SDR104 Speed Class : Class 10, V30 Read : Up to 100MB/s Write : Up to 40MB/s Endurance Hours : 140,160 Protection : Water-proof, Temperature-proof, X-ray-proof, Magnetic-proof, Drop-proof, Wearout-proof Features : Extreme Endurance for Monitoring Devices, Built to last up to 140K hours, Record and Play in FHD or 4K, Critical data Safeguarded Warranty : 5 years manufacturer's warranty	

41.	SFP TRANSCEIVER Transceiver Type: SFP Fiber Media Support: Single-Mode Speed: 1.25 Gbps Distance: 10 km Compliant Standard: IEEE802.3ah 1000BASE-BX-D Connector : Simplex LC connector Single/Bi Direction : Bi-direction Wavelength : Tx: 1550 nm, Rx: 1310 nm Cable Type : Single-mode 9/125 um fiber Power Supply : 3.3 V Hot Pluggable : Yes MSA Compliant : Yes RoHS Compliant: Yes	
42.	SINGLE FUNCTION LASER PRINTER Print Speed Black Normal: Up to 20 ppm First Page Out Black: As fast as 8.3 sec Resolution: Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dp Duty Cycle (Monthly, A4) Up to 10,000 pages Print Technology: Laser Processor Speed: 400 MHz Connectivity, standard: Hi-Speed USB 2.0 port Paper handling input, standard 150-sheet input tray, 10-sheet priority tray Paper handling output, standard 100-sheet output tray Warranty: 4 Years Next Business Day Exchange Service	
43.	SOLID STATE DRIVE Product Type: PCIe 4.0 NVMe SSD Encryption: AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667) Read/Write Speeds: 7,000/5,000 MB/s Capacity: 2TB Interface: PCIe® Gen 4.0 x 4, NVMe® 1.3c M.2 2280: Yes NAND Flash Memory : V-NAND 3bit MLC DRAM Cache Memory : 2GB LPDDR4 Warranty: 5 years manufacturer's warranty	
44.	SSD NVME, 250GB SSD Product Type: PCIe 3.0 x4, NVMe 1.3 Encryption: AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667) Read/Write Speeds: 3,400/1,500 MB/s Capacity: 250GB Interface: PCIe Gen 3.0 x 4, NVMe 1.3c M.2 2280 : Yes NAND Flash Memory : V-NAND 3bit MLC DRAM Cache Memory : 512MB LPDDR4 Warranty: 5 years manufacturer's warranty	
45.	SSD, 2.5 500GB SSD Product Type: SATA SSD Encryption: AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667) Read/Write Speeds: 560/530 MB/s Capacity: 500GB Interface: SATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & 1.5 interfaces 2.5-inch form factor: Yes, NAND Flash Memory: V-NAND 3bit MLC DRAM Cache Memory: 512MB LPDDR4 Warranty: 5 years manufacturer's warranty	
46.	TESTER, OTDR Optical Fiber Tester Type: UPC Use: FTTX Fiber Type: Singlemode Application: FTTH System Language: English Wave: 1310/1550nm Display: 4.3 inch Product Name: Optical Time Domain Reflectometer / OTDR Inclusions: 1 x Host, 1 x AC/DC Power Adapter, 1x Data Line, 1 x SC Adapter, 1 x U Disk or TF Card (Contains Analysis Software / User's Manual), 1 x Fast Operation Manual, 1 x Certificate / Warranty Card, 1 x Calibration Certification, 10 x Alcohol Cotton Chips, 1 x Instrument Bag Warranty: 1 year local supplier warranty	
47.	UNINTERRUPTED POWER SUPPLY, Rated power in W: 650 W Rated power in VA: 1200 VA Input Connection Type: IEC 60320 C14 Output connection: 4 x universal, 1 x IEC 60320 C13 Battery type: Lead-acid battery Mounting support Floor Network frequency 50/60 Hz +/- 5 Hz auto-sensing	

	Input voltage limits 140 to 300 V 230 V AC Output frequency 50/60 Hz +/- 1 Hz sync to mains UPS type Line interactive Wave type: Stepped approximation to a sinewave IP degree of protection: IP20 Battery voltage: 12 V Battery capacity 9.0 Ah Battery life 2-to-3-year(s) Surge energy rate 273: J Mercury free: Yes Warranty: 2 years Local Supplier Warranty	
48.	USB, 3.0 Type C Hub with HDMI RJ45 Network Port USB C Multiport Port Hub Thunderbolt 3 Type C Docking Station SD TF Card Reader Slot USB 3.0 Type C to HDMI Adapter HDMI Port supports 4k@30Hz, VGA Port supports 1080P@60Hz. When HDMI and VGA output simultaneously, the resolution is 1080P@60Hz. Multiple shielding structure, Aluminum Foil + Metal Braided + GND, to ensure stable signal transmission. Aluminum shell Efficient good heat dissipation.	
49.	APPLE 96W USB-C POWER ADAPTER (to be used with existing equipment) The 96W USB-C Power Adapter offers fast, efficient charging at home, in the office, or on the go. It's compatible with numerous USB-C devices and charging cables. Apple recommends pairing this power adapter with your 14-inch MacBook Pro (2021) using a USB-C to MagSafe 3 Cable or USB-C Charge Cable to take advantage of fast charging, so you can go from 0 to 50 percent charge in around 30 minutes.	
50.	APPLE USB-C CHARGE CABLE (to be used with existing equipment) USB-C Charge Cable (2 m) Compatible for Mcbook pro 20W USB-C Power Adapter	
51.	USB, Type C Multi-card Reader Writer SD micro–SD CF Compact Flash SDDR-A631 Thing Weight 6.3 ounces Item Dimensions 4.84 x 2.28 x 0.72 inches Thing Dimensions LxWxH 4.84 x 2.28 x 0.72 inches Attachment and-play multi-design card peruser for SDHC and SDXC, microSD, and CompactFlash cards Works with UHS-II, UHS-I and non-UHS SD and microSD cards, and CompactFlash cards up to UDMA 7 USB 3.0 interface can move content up to 10x quicker than USB 2.0 interface,(1) in reverse viable with USB 2.0. Works with Windows and Mac PCs. Quick exchange rates of up to 312MB/s for SD and microSD cards, (1) up to 160MB/s for CompactFlash cards (1) (1)Based on standard CompactFlash, UHS-II SD, UHS-II microSD, and USB interface speeds; execution may shift contingent upon genuine card speed, use case and host gadget. 1MB=1,000,000 bytes.	
52.	UTP CABLE - CAT 6 (BLUE), Conductors/ insulators: 24 AWG solid copper insulated with HPDEE Flame rating: PVC (CMR) – UL 1666 PoE compliance: Meets IEEE 802.3af and IEEE 802.3at for PoE applications Installation tension: 110 N (25 lbf) maximum Cable jacket: PVC (CMR) – Flame retardant PVC	
53.	VOICE RECORDER, Specifications: Battery Type : Built-In Lithium Battery Built-In Memory : 4 GB Built-In Microphone : Yes Calendar Search : Yes LCD Backlight : Yes Maximum Files Per Folder : 199 Maximum Files (Total) : 5,000 Files (Including Number Of Folder) PC Connectivity : Yes Playback Format : LPCM/MP3/AAC/WMA Recording Format : Linear PCM/MP3 USB Connection Charging : Yes Scene Select : Yes Sync Recording Function: Yes Recording	

	Monitor : Yes FM Radio Recording: Yes VOR : Yes A-B Repeat : Yes Digital Pitch Control (Speed Control) : Yes Divide : Yes Easy Search : Yes Erase : Yes File Copy :Yes Folder Name Change (Without Using PC) : Yes Graphic Equalizer : Yes Move File : Yes Noise Cut :Yes (Clear Voice) Protect :Yes Track Mark : Yes Features - Reduce background noise with Auto Voice Recording - Get a better sound with Auto Music Recording - Capture distant or quiet sounds with S-Microphone - Get to the point with Time Jump - Wider, brighter recording LED - Turn it up with Playback Normalization - See clearly with a larger OLED Display - USB direct connection for quick file transfer MicroSD card: Form Factor : microSDXC Capacity : 64GB Bus Speed Mode : UHS-I SDR104 Speed Class : Class 10, V10 Speed Grade : Grade 1 (U1) Transfer Speed : Up to 130MB/s Durability : 10,000 mating cycles Proof Features : Water-proof, Temperature-proof, X-ray-proof, Magnetic-proof, Drop-proof, Wearout-proof Features : Fast and Smooth, Expand and Store big, Fully protected Warranty: 1 year warranty"	
54.	WIRELESS ROUTER Network Security: SPI Firewall, Access Control, IP & MAC Binding, Application Layer Gateway Guest Network: 2× 5 GHz Guest Network, 1× 2.4 GHz Guest Network VPN Server : OpenVPN, PPTP WiFi Encryption : WPA, WPA2, WPA3, WPA/WPA2-Enterprise (802.1x) Standards : IEEE 802.11ax/ac/n/a 5 GHz, IEEE 802.11ax/n/b/g 2.4 GHz WiFi Speeds: , 5 GHz: 4804 Mbps (802.11ax, HE160), 5 GHz: 1201 Mbps (802.11ax), 2.4 GHz: 574 Mbps (802.11ax) WiFi Range : 8× Detachable High-Performance Antennas, Beamforming, High-Power FEM, 4T4R WiFi Capacity : Tri-Band, 4×4 MU-MIMO, OFDMA, Airtime Fairness, DFS, 8 Streams Working Modes : Router Mode, Access Point Mode Processor : 1.5 GHz Quad-Core CPU Ethernet Ports: 1× 2.5 Gbps WAN/LAN Port, 1× Gigabit WAN/LAN Port, 3× Gigabit LAN Ports WAN Types: Dynamic IP, Static IP, PPPoE, PPTP, L2TP DHCP : Address Reservation, DHCP Client List, Server Warranty : 1 year local supplier warranty	

Attached herewith are the manufacturer's product literature(s) and certification(s) that we are authorized to sell the goods.

We certify that the foregoing information and the supporting documents are true and correct.

[*Signature*]

[Name of Authorized Signatory]

[*Position/Title of Authorized Signatory*]

Omnibus Sworn Statement

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

A F F I D A V I T

I, *[Name of Affiant]*, of legal age, *[Civil Status]*, *[Nationality]*, and residing at *[Address of Affiant]*, after having been duly sworn in accordance with law, do hereby depose and state that:

1. ***Select one, delete the other:***

    b. *If a sole proprietorship:* I am the sole proprietor or authorized representative of *[Name of Bidder]* with office address at *[address of Bidder]*;

    c. *If a partnership, corporation, cooperative, or joint venture:* I am the duly authorized and designated representative of *[Name of Bidder]* with office address at *[address of Bidder]*;

2. ***Select one, delete the other:***

    a. *If a sole proprietorship:* As the owner and sole proprietor, or authorized representative of *[Name of Bidder]*, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for *[Name of the Project]* of the *[Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney*;

    b. *If a partnership, corporation, cooperative, or joint venture:* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for *[Name of the Project]* of the *[Name of the Procuring Entity],* as shown in the attached *[state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)]*;

3. *[Name of Bidder]* is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. *[Name of Bidder]* is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. ***Select one, delete the rest:***

    a. *If a sole proprietorship:* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

    b. *If a partnership or cooperative:* None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of

the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

    c. *If a corporation or joint venture:* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the following responsibilities as a Bidder:

    a. Carefully examine all of the Bidding Documents;
    b. Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
    c. Made an estimate of the facilities available and needed for the contract to be bid, if any; and
    d. Inquire or secure Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. In case advance payment was made or given, failure to perform or deliver any of obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to delivery certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

    IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

                                _____
                                Bidder's Representative/Authorized Signatory

    SUBSCRIBED AND SWORN to before me this ___ day of *[month] [year]* at *[place of execution],* Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at _____.

    Witness my hand and seal this ___ day of *[month] [year]*.

                         NAME OF NOTARY PUBLIC
                         Serial No. of Commission _____
                         Notary Public for _____ until _____
                         Roll of Attorneys No. _____
                         PTR No. _____ *[date issued], [place issued]*
                         IBP No. _____ *[date issued], [place issued]*

Doc. No. _____
Page No. _____
Book No. _____
Series of _____

[*Date*]

To: Tarlac State University
Re: Invitation to Bid No.

NET FINANCIAL CONTRACTING CAPACITY

Based on our Income Tax Return and Audited Financial Statement for the Fiscal Year [*YEAR*], duly submitted to the Bureau of Internal Revenue, and which form part of our Bid, the summary of our firm's financial condition is as given below:

		Year [*YEAR*]
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

Based on the aforementioned data and the Value of Outstanding Works from the Statement of All Ongoing Government and Private Contracts, which also form part of our Bid, our Net Financial Contracting Capacity (NFCC) is:

NFCC = *[(current asset minus current liabilities)* (**15**)*]* minus [*value of all outstanding or uncompleted portions of the projects under ongoing contracts including awarded contracts yet to be started coinciding with the contract to be bid*].

NFCC =

I/We certify that the foregoing information and all of the supporting documents are true and correct.

[*Signature*]
[*Name of Bidder or Authorized Representative*]
[*Position or Title*]

[*Bidder's Letterhead*]

<div align="right">

[*Date*]

</div>

FINANCIAL BID FORM

To: Tarlac State University
Re: Invitation to Bid No.

Having examined the Bidding Documents [*insert if any or delete, if none:* including Bid Bulletin Numbers *[insert numbers],* the receipt of which is hereby duly acknowledged], we, the undersigned, offer to *[supply/deliver/perform] [description of the Goods]* in conformity with the said Bidding Documents for the sum of *[total Bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

If our Bid is accepted, we commit to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in **ITB** Clause 14.2 and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per **ITB** Clause 5 of the Bidding Documents.

We likewise certify/confirm that the undersigned, *[for sole proprietorships, insert:* as the owner and sole proprietor or authorized representative of [*Bidder*], has the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the [*Name of Project*] of the Tarlac State University*] [for partnerships, corporations, cooperatives, or joint ventures, insert:* is granted full power and authority by the [*Bidder*], to participate, submit the bid, and to sign and execute the ensuing contract on the latter's behalf for [*Name of Project*] of the Tarlac State University.

We acknowledge that failure to sign each and every page of this Financial Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Dated this _____ day of _____ 20_____.

_____   _____
       [signature]   *[in the capacity of]*

Duly authorized to sign Bid for and on behalf of _____

[*Date*]

To: Tarlac State University
Re: Invitation to Bid No.

SCHEDULE OF PRICES

Item No.	Description	Qty.	Unit	Unit Price	Total Price
1.	PORTABLE SSD Interface : USB 3.2 Gen2 (10Gbps) Capacity : 1TB Sequential Read : Up to 1,050 MB/sec Sequential Write : Up to 1,000 MB/sec Water / Dust Resistant : IP 65 Drop Resistant : Up to 3m Encryption :AES 256-bit hardware encryption Reliability, Shock : 1,500G, duration: 0.5ms, 3 axis Certifications : CE, BSMI, KC, VCCI, C-tick, FCC, IC, UL, TUV, CB, EAC, UKCA, BIS Warranty : 3 years manufacturer warranty	2			
2.	ADAPTER, HDMI to VGA Adapter HDMI to VGA Converter Color: Black Interface Type: HDMI 1.4 Male, VGA Female Interface Process: Gold-Plated (HDMI), Nickel Plated (VGA) Resolution: 1080p@60hz Conductor Material: Pure Copper, ABS Cable Length: 15cm Cable Od.: 5.0mm Shielding: Aluminium Foil + Metal Braided AWG: 30awg Warranty: 1 Year Local Supplier Warranty	1			
3.	NETWORK ATTACHED STORAGE CPU: Intel Celeron J4025 2-core 2.0 GHz, burst up to 2.9 GHz Hardware Encryption Engine: Yes System Memory: 2 GB DDR4 Drive Bays: 2 Compatible Drive Type : 2 x 3.5" SATA HDD, 2.5" SATA SSD Hot Swappable Drive : Yes RJ-45 1GbE LAN Port: 2 USB 3.0 Port: 2 Internal Drives: Btrfs, EXT4 External Drives: Btrfs, EXT4, EXT3, FAT, NTFS, HFS+, exFAT Warranty: 2 years local supplier warranty NAS Hard Disk Capacity: 4TB Form Factor: 3.5" inch Rotational speed (RPM): 5,400 RPM Interface: SATA 6Gb/s Warranty: 2 Years Local Supplier Warranty	1			
4.	BIOMETRICS, Device RF Optional : 125kHz EM / 13.56MHz IC Max User(1:N): 10,000 Max Fingerprint (1:N): 3,000 standard / 10,000 Optional Max Record100,000 TCP/IP : 10/100 M PoE Optional : 802.3 at 28W Wi-Fi : 802.11 B/G/N 3G Optional : WCDMA SB :USB 2.0 (Host) RS232 : 1 port for external printer LCD : 3.0"Color LCD Sound : 24-bit Power DC : 12V 1.5A Certificates : CE, FCC, RoHS Standard : Automatic Status Switch, Self-	5			

	Service Query, DST, T9 Input, 9 Digit User ID, Scheduled Bell, Photo ID, Lock, sensor, Exit button Warranty : 1 year local supplier warranty				
5.	WEB CAMERA, 720p HD Max Resolution: 720p/30fps Camera mega pixel: 1.2 Focus type: fixed focus Lens type: plastic Built-in mic: Mono Mic range: Up to 1 m Diagonal field of view (dFoV): 60° Universal mounting clip Auto Light Correction: Yes, Noise Cancelling Mic: Yes Warranty: 2 years local supplier warranty	18			
6.	COMPUTER TABLET FOR MOBILE APP DEVELOPMENT Features: CPU Speed: 2.4 GHz, 2 GHz CPU Type: Octa-Core Display : 10.9 inches Technology (Main Display) : TFT Color Depth (Main Display) : 16M Video Recording Resolution : UHD 4K (3840 x 2160) @ 30fps Memory (GB) : 6 Storage (GB) : 128 External Storage Support : MicroSD (Up to 1TB) USB Version : USB 2.0 Location Technology : GPS, Glonass, Beidou, Galileo, QZSS Wi-Fi: 802.11 a / b / g / n / ac / ax 2.4G+ 5GHz, HE80, MIMO, 1024-QAM Wi-Fi Direct : Yes Bluetooth Version : Bluetooth v5.3 Bluetooth Profiles : A2DP, AVRCP, DI, HID, HOGP, OPP, PAN OS : Android Sensors : Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor Warranty : warranty care plan for two years. Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers	1			
7.	COMPUTER TABLET, Features: CPU Speed 2Ghz, 1.8Ghz CPU Type: Octa-Core Display: 10.4 inches Technology (Main Display) : TFT Color Depth (Main Display) : 16M Video Recording Resolution : FHD (1920 x 1080) @ 30fps Memory (GB) : 3 Storage (GB) : 64 External Storage Support : MicroSD (Up to 1TB) USB Version : USB 2.0 Location Technology : GPS, Glonass, Beidou, Galileo Earjack : 3.5mm Stereo Wi-Fi: 802.11 a / b / g / n / ac 2.4G+ 5GHz, VHT80 Wi-Fi Direct : Yes Bluetooth Version : Bluetooth v5.1 Bluetooth Profiles : A2DP, AVRCP, DI, HID, HOGP, OPP, PAN OS : Android Sensors : Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor Warranty: warranty care plan for two years. Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers	20			
8.	COMPUTER TABLET FOR MOBILE APP DEVELOPMENT Capacity :256GB Display: 10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology 2360-by-1640-pixel resolution at 264	1			

	pixels per inch (ppi) Chip : Bionic Chip, 6core CPU, 4-core graphics, 16-core Neural Engine Camera : 12MP Wide camera f/1.8 aperture Digital zoom up to 5x Five-element lens Front Camera : 12MP Ultra-Wide camera, 122° field of view, f/2.4 aperture, Smart HDR 3, 1080p HD video recording at 25 fps, 30 fps, or 60 fps Microphones : Dual Microphones Wireless : Wi-Fi 6 (802.11ax) with 2x2 MIMO; speeds up to 1.2 Gbps, Simultaneous dual band, Bluetooth 5.2 Sensors : Touch ID, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor Battery : Built-in 28.6-watt-hour rechargeable lithium polymer battery Inclusions : Tablet, Lightning to USB-C Cable, 20W USB-C Power Adapter Warranty : warranty care plan for one year. Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers				
9.	DOT MATRIX PRINTER, Control Panel: 6 switches and 10 LEDs Print Direction: Bi-direction with logic seeking Printing Method :Impact dot matrix Number of Pins in Head:9 pins Control Code:ESC/P2, IBM PPDS Printhead Life: 200 million strokes/wire Mean Print Volume Between Failure (MVBF):30 million lines (except print head) Mean Time Between Failure (MTBF): 15,000 Power On Hours (POH) (25% Duty) Barcode: EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET Supported Papers : Cut Sheet (Single Sheet), Cut Sheet (Multi-part Sheet), Continuous Paper (Single Sheet / Multi-part, Envelope (No. 6), Envelope (No. 10), Label (Base Sheet), Card, Roll Paper Ribbon Cartridge Black:Standard: Fabric Ribbon Cartridge (Black) Ribbon Life: Approx. 12 million Characters Interface ; USB 2.0 Warranty : 1 year manufacturer warranty	1			
10.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 1TB Connector: Micro-B Interface: UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate: up to 5Gb/s Warranty: 3 years manufacturer warranty	6			
11.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 2TB Connector: Micro-B Interface: UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate: up to 5Gb/s Warranty: 3 years manufacturer warranty	6			
12.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 4TB Connector: Micro-B Interface : UBS 3.2 Gen 1,	10			

	USB 3.0, USB 2.0 Transfer Rate : up to 5Gb/s Warranty : 3 years manufacturer warranty				
13.	EXTERNAL HARD DISK DRIVE Product Features Slim Style, built-in 256-bit AES hardware encryption with password protection, comes with backup software Capacity: 5TB Connector: Micro-B Interface: UBS 3.2 Gen 1, USB 3.0, USB 2.0 Transfer Rate: up to 5Gb/s Warranty: 3 years manufacturer warranty	4			
14.	EXTERNAL STORAGE DRIVE Interface: Compatible with USB 3.2 Gen2 (10 Gbps), backwards compatible Capacity :500GB Transfer Speed: Up to 1,050 MB/s Features: Built strong and secure Dynamic Thermal Guard solid aluminum unibody construction Warranty: 3 years Local Supplier warranty	2			
15.	FIBER OPTIC CABLE, 1 core, 2km length Minimum bending radius: 3.8 cm Tensile Strength : 45 kilograms Reinforcement Material : Reinforced Phosphating Stell Wire Core count : 1 Length : 2 kilometers Color : Black Fiber Type : Outdoor Leather Fiber Optic Cable	1			
16.	FIBER CABLE, Shrinkable sleeve 100pcs/box 60mm fiber optic sleeve Characteristics: Single holed (pre-shrunk) Clear sleeve design Smooth stainless steel reinforcing member Sealing structure suitable to temperature Extended liner length Low shrink temperature pre-installed stainless steel or ceramic rod Accommodates single or ribbon fibers Wide range of sizes Operating temperature -45degree to 100degree Min. full recovery temp: 120degree	2			
17.	FLASH DRIVE Feature, Ultimate portability, Quick and Convenient Capacity: 64GB Speed: USB 3.2 Gen 1 compliant Warranty: 1 year local supplier warranty	1			
18.	GIGABIT ETHERNET SWITCH, 16-PORT Number of Ports : Sixteen (16) 10/100/1000 Gigabit ports Standards : IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T , ANSI/IEEE 802.3 NWay auto-negotiation, IEEE 802.3x Flow Control Data Transfer Rates Ethernet: 10 Mbps (half duplex) / 20 Mbps (full duplex) 100 Mbps (half duplex) / 200 Mbps (full duplex), 2000 Mbps (full duplex Security Storm : Control QoS (Quality of Service) : 802.1p priority, 8 queues Protocol : CSMA/CD Switching Capacity : 32 Gbps MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control MTBF 1,882,372 hours Warranty : 1 year local supplier warranty	5			
19.	GIGABIT ETHERNET SWITCH, 24-PORT Number of Ports : Twenty-four (24) 10/100/1000 Gigabit ports Standards : IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE	5			

	802.3ab 1000BASE-T , ANSI/IEEE 802.3 NWay auto-negotiation, IEEE 802.3x Flow Control Data Transfer Rates Ethernet: 10 Mbps (half duplex) / 20 Mbps (full duplex) 100 Mbps (half duplex) / 200 Mbps (full duplex), 2000 Mbps (full duplex Security Storm : Control QoS (Quality of Service) : 802.1p priority, 8 queues Protocol : CSMA/CD Switching Capacity : 32 Gbps MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control MTBF : 863,100 hours Warranty : 1 year local supplier warranty				
20.	GIGABIT ETHERNET SWITCH, 8-PORT Standards and Protocols : IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p, IEEE 802.3at Interface : Eight 10/100/1000Mbps RJ45 Ports, AUTO Negotiation/AUTO MDI/MDIX PoE Ports (RJ45) : Standard: 802.3 af/at compliant, PoE Ports: Port 1- Port 4, PoE Power Budget: 64W Switching Capacity : 16 Gbps Packet Forwarding Rate : 11.9 Mpps Quality of Service : Support Port-Based/802.1p/DSCP priority, Support 4 priority queues, Rate Limit, Storm Control L2 Features : IGMP Snooping V1/V2/V3, Static Link Aggregation, Port Mirroring, Cable Diagnostics, Loop Prevention, PoE Auto Recovery Transmission Method : Store-And-Forward Warranty : 1 year local supplier warranty	10			
21.	STACKABLE SMART MANAGED SWITCH WITH 10G UPLINKS SWITCH WITH SFP MODULES PORT Standards & Functions: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, 802.3ae 10 GbE, IEEE 802.3x Flow Control for Full-Duplex Mode, Auto-negotiation Number of Ports: 16 x 10/100/1000 Mbps, 2 x Gigabit SFP, 2 x 10G SFP+ Network Cables : UTP Cat. 5, Cat. 5e (100 m max.) EIA/TIA-568 100-ohm STP (100 m max.) Full/Half Duplex : Full/half-duplex for 10/100 Mbps and full-duplex for 1000 Mbps speed Media Interface Exchange : Auto or configurable MDI/MDIX Switching Capacity : 76Gbps Transmission Method : Store-and-forward Maximum 64 bytes Packet Forwarding Rate : 56.54 Mpps Diagnostic LEDs : Power/Stacking ID/Fan (per device) Link/Activity/Speed (per 10/100/1000 Mbps port), Link/ Activity/Speed (per Gigabit SFP port), Link/Activity/Speed (per 10G SFP+ port) With included 2 units of 10G SFP modules, same brand with the switch to ensure compatibility. included 2 units of 1G SFP modules, same brand with the switch to ensure compatibility. Warranty: 1-year local supplier warranty	10			

22.	HARD DRIVE, 12TB Hard Drive for Server Computer Class: Enterprise-Class SATA HDD Form factor 3.5-inch Interface SATA 6 Gb/s 512n / 512e user sectors per drive: 512e Formatted capacity: 12TB Data Transfer Rate (max Sustained): 255MB/s RPM: 7200 Cache: 256MB MTBF (hours, projected): 2,000,000 Acoustics (average): Idle Mode 20 dBA, Seek Mode 36 dBA Features: Helio Seal technology, Enhance Reliability, Vibration Protection Warranty: 5 years local supplier warranty	3			
23.	HARD DRIVE, 600GB Hard Drive for Storage Server Class: Enterprise Class Type: Hard Drive Capacity: 600 GB Form Factor: 2.5 Interface: Sas 12 GB/S Data Transfer Rate: 1.2 Gbps Spindle Speed: 15000 Rpm Device Type: Hard Drive Capacity: 600 GB Form Factor: 2.5 Interface: SAS 12GB/S Drive Transfer Rate: 1.2 Gbps (External) Spindle Speed: 15000 Rpm Hard drive must be compatible with IBM Storwize V3700 Warranty: 5 years local supplier warranty	8			
24.	HDMI CABLE (10 METERS), "HDMI Cable (10 Meters) Color: Black Interface Type: Standard HDMI Interface Process: Gold-plated Resolution: 4K 60Hz - 1080P 60Hz Conductor Material: Pure Copper Jacket: PVC Head: Two-color PVC injection Cable Length: 10 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminum foil mylar+Metal Braied AWG: 30AWG"	7			
25.	HDMI CABLE (5 METERS), "HDMI Cable (5 Meters) Color: Black Interface Type: Standard HDMI Interface Process: Gold-plated Resolution: 4K 60Hz - 1080P 60Hz Conductor Material: Pure Copper Jacket: PVC Head: Two-color PVC injection Cable Length: 5 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminum foil mylar+Metal Braied AWG: 30AWG"	13			
26.	HEADPHONE W/ MIC, HD 720p Video Calls in a sturdy design Widescreen HD 720p Video Calls Mono Noise Reducing Mic HD video calling (1280 x 720 pixels) Photos: up to 5.0 megapixels (software enhanced) Built-in mic with Right Sound™ technology Hi-Speed USB 2.0 certified Universal clip fits laptops, LCD or CRT monitors Right Light™ 2 technology Video and photo capture Works with most instant messaging applications Warranty: at least 1 year warranty (2024)	4			
27.	HIGH SPEED SCANNER, Scanner Type A4 sheet-fed, one-pass duplex colour scanner Sensor Type Contact Image Sensor (CIS) x 2 Scanning Method Fixed carriage and moving document Optical Resolution 600 x 600 dpi Output Resolution 50 - 1,200 dpi (in 1 dpi	8			

	increments) Scanner Bit Depth (Colour) 48-bit input, 24-bit output Max. Document Size 215.9 x 3,048 mm Scan Speed Resolution "200dpi: 26 ppm / 52 ipm (Monochrome, Colour) 300dpi: 26 ppm / 52 ipm (Monochrome, Colour) 600dpi: 21 ppm / 42 ipm (Monochrome), 7.0 ppm / 14 ipm (Colour)" ADF Capacity 50 sheets (80g/m2) Daily Duty Cycle up to 3,000 sheets / day Interface USB 2.0 Warranty 1 year warranty				
28.	IMPACT DOT MATRIX PRINTER Print Method: Impact dot matrix Number of Pins: 24 High Speed Draft: 10/12cpi: 487/584 cps Printhead Life: 400 million strokes/wire Character Sets: 1 Italic and 12 graphical character tables: Italic table, PC437 (US, StandardEurope), PC850 (Multilingual), PC860 (Portuguese), PC861 (Icelandic), PC865 (Nordic), PC863 (Canadian-French), Abicomp, BRASCII, Roman 8, ISO Latin 1, PC858, ISO 8859-15 Continuous Paper (Single Sheet/ Multi-part): Entry: Front, Rear, Bottom Length: 101.6-558.8mm (4.0-22.0") Width: 101.6-254mm (4.0-10.0") Thickness: 0.065-0.49mm (0.0025-0.019") Copies: Original + 6 copies Push Tractor: Front or rear in, top out Pull Tractor: Fornt, rear or bottom in, top out Interface: USB 2.0, Bi-directional parallel USB 2.0, Bi-directional parallel Warranty: 1 year local supplier warranty	2			
29.	MONOCHROME - MULTIFUNCTION INKJET PRINTER W/ MAINTENANCE BOX Printer Type: Print, Scan, Copy, Fax with ADF Maximum Copies from Standalone:99 copies Reduction / Enlargement:25 – 400 % Auto Fit Function Maximum Copy Resolution: 600 x 600 dpi Maximum Copy Size:Legal (ADF) ISO 29183, A4, Simplex (Black):Up to 17 ipm Scanner Type : Flatbed colour image scanner Sensor Type : CIS Optical Resolution:1200 x 2400 dpi Maximum Scan Area:216 x 297 mm (8.5 x 11.7") Scanner Bit Depth (Colour):48-bit input, 24-bit output Scanner Bit Depth (Grayscale):16-bit input, 8-bit output Scanner Bit Depth (Black & White):16-bit input, 1-bit output Scan Speed: Flatbed (200dpi): Monochrome: 12sec, Colour: 27secADF (200dpi): Monochrome: 7.0ipm ADF Capacity:64 to 95 g/m2 Paper Capacity:35 sheets of A4 paper Number of Paper Trays:2 Input Capacity: Cassette 1: 250 Sheets-A4 / Letter Plain Paper (80 g/m2); 10-sheets-Envelope; Rear Slot: 1 Sheet-A4 Plain Paper Output Capacity: Up to 100 sheets Maximum Paper Size:215.9 x 1200 mm (8.5 x 47.24") Paper Sizes:Legal, Indian-Legal (215 x 345 mm), 8.5 x 13", Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), Envelopes: #10, DL, C6 Paper Feed Method:Friction feed Print Margin:3 mm top, left, right, bottom via custom settings in printer driver Interface: USB 2.0 Network:Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct Network Protocol:TCP/IPv4, TCP/ LCD Screen:2.4" LCD	24			

	Touch Screen PrintheadNozzle Configuration:400 x 2 nozzles Black Print Direction:Bi-directional printing Maximum Print Resolution:1200 x 2400 dpi (with Variable-Sized Droplet Technology)Minimum Ink Droplet Size:2.8 pl Print Speed:Draft Text - Memo, A4 (Black): Up to 39 ppm *1 ISO 24734, A4 (Black): Simplex: Up to 20 ipm, Duplex: 9.0 ipm *1 First Page Out Time (Black): Approx. 6 sec (simplex) / 13 sec (duplex) Automatic 2-sided Printing:Yes With Additional 2 pieces of Maintenance BoxWarranty : 4 years warranty 50,000 prints, whichever comes first. On-site repair by an authorized technician by the manufacturer.				
30.	MULTIFUNCTION COLORED PRINTER Printer Type: Print, Scan, Copy with ADF Nozzle Configuration: 400 x 1 nozzles Black, 128 x 1 per Colour (Cyan, Magenta, Yellow) Maximum Resolution: 4800 x 1200 dpi Automatic 2-sided Printing: Yes (Up to A4) Print Speed: Photo Default - 10 x 15 cm / 4 x 6 " : Approx. 69 sec per photo / 92 sec per photo Draft, A4 (Black / Colour): Up to 33.0 ppm / 20.0 ppm*2 ISO 24734, A4 Simplex (Black / Colour): Simplex: Up to 15.5 ipm / 8.5 ipm First Page Out Time from Ready Mode (Black / Colour): Approx. 9 sec / 15 sec Maximum Copy Size: Legal Copy Resolution: 600 x 600 dpi ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 11.0 ipm / 5.5 ipm Scanner Type: Flatbed colour image scanner Sensor Type: CIS Optical Resolution: 1200 x 2400 dpi Maximum Scan Area: 216 x 297 mm (8.5 x 11.7 ") Scanner Bit Depth (Colour): 48-bit input, 24-bit output Flatbed (Black / Colour): 200dpi: 12 sec / 27 sec ADF Paper Capacity: 30 sheets Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24 ") Paper Size: Legal (8.5 x 14"), 8.5 x 13", Letter, A4, B5, A5, A6, Hagaki (100 x 148 mm), 16K (195 x 270 mm), Indian-Legal (215 x 345 mm), B6, 5 x 7", 4 x 6", Envelopes #10, DL, C6 Interface : USB 2.0, Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct With Additional 2 pieces of Maintenance Box Warranty: 2 years Manufacturer Warranty	28			
31.	BIOMETRICS DEVICE WITH FACE SCANNER Fingerprints : 5,000 Faces : 3,000 (1:N) / 4,000 (1:1) Transactions : 100,000 Communication : TCP/IP, USB Host, Wiegand Output Access Control Interface : Lock Relay Output, Alarm Output, Exit Button, Door Sensor, External Bell, 168 Infrared Sensors Hardware: 1.2GHz High Speed CPU Memory: 128MB RAM / 256MB Flash Standard Functions : ID Card / Work Code / WDMS, DST / SMS / Bell Schedule, Attendance Status Auto-Switch, Record Query / Photo ID, Custom Wallpaper & Screen Saver Special Functions : Precise facial recognition under strong sunlight (up to 60,000 Lux), Latest Facial Recognition Algorithm, Prevents repeated face	4			

	registration Optional Functions: HID Proxy / Mifare Card Reader, Wi-Fi / 3G, External Printer, Battery (2,000 mAH) Warranty : 1 year local supplier warranty				
32.	PHOTO PRINTER Printer Type: Print Paper Feed Method: Friction feed Number of Paper Trays: 1 Input Capacity: Up to 80 sheets of A3 Plain Paper (80g/m2) 50 sheets of Premium Glossy Output Capactiy: Up to 100 sheets of A3 Plain Paper Up to 30 sheets of Premium Glossy Support Paper Size: A6, A5, A4, A3, A3+, B6, B5, B4, 8K, 16K, Indian-Legal, Letter, 8 x 10", 8.5 x 13", Legal, 5 x 7", 4 x 6", 16:9 Wide, 105 x 148 mm, 3.5 x 5", 54 x 86 mm (ID card), Envelopes #10, DL, C6, C4 Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") PC Printing / PGPP Best Photo: Sound Power (Black / Colour) 4.9 / 5.0 B(A), Sound Pressure (Black / Colour) 40 / 40 dB(A) PC Printing / Plain Paper Default: Sound Power (Black / Colour) 6.3 / 6.1 B(A), Sound Pressure (Black / Colour) 50 / 48 dB(A) Nozzle Configuration: 180 x 1 nozzles Black, 180 x 1 per colour (Cyan, Magenta, Yellow, Light Cyan, Light Magenta) Print Direction: Bi-directional printing Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology) Minimum Ink Droplet Size: 1.5 pl ISO Print Speed: ISO 24734, A4 (Black / Colour): Simplex: Up to 8.0 ipm / 8.0 ipm, ISO 24734, A3 (Black / Colour): Simplex: Up to 3.0 ipm / 3.0 ipm First Page Out Time (Black / Colour): Approx. 14 sec / 14 sec Photo Default - 10 x 15 cm / 4 x 6" #3 (Border / Borderless): Approx. 27 sec / 27 sec Interface : USB 2.0, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct With Additional 2 pieces of Maintenance Box Warranty: 2 years manufacturer's warranty or Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers	1			
33.	PORTABLE LABEL PRINTER, Width: 6, 9, 12, 18, 24 mmTape Type: LK Tape Cartridges Printing: Cutter Type: Automatic Full Cut Printing Technology: Thermal Transfer Printing Resolution: 180 dpi / 128 dot Text Data: Printable Lines: PC / App Dependent Memory: Files (Built-in Memory): PC / App Dependent Print Setting: Repeat Printing: Up to 99 (App) / 999 (PC) Character Settings: Font Sizes: 6 (App) / PC Dependent Vertical Printing: Yes Mirror Printing: Yes Barcode Printing: Yes, Wire Wrap: Yes, Flag Style (Double-sided): Yes, Double-sided Tab: Yes*Image Printing: Yes Interface: USB, Bluetooth Operating System: iOS, Android (Mobile), Windows, Mac OS (PC) Battery: 6AAA AC Adapter: Bundled Warranty: at least 1 year warranty	2			

34.	PRESENTATION REMOTE Laser Class: Class 2 Laser Max Output: Less than 1mW Wireless technology 2.4 GHz wireless technology Battery type 2 AAA batteries Dimensions (+/- 10%) H x W x D: 37.8 mm x 115.5 mm x 27.4 mm Warranty: 3 years local supplier warranty	2			
35.	A3 Wi-Fi AIO PRINTER Print, Scan, Copy, Fax with ADF Print Method: PrecisionCoreTM Printhead Minimum Ink Droplet Volume: 3.8 pl Print Direction: Bi-directional printing Nozzle Configuration: 800 x 1 nozzles Black, 256 x 1 nozzles per colour (Cyan, Magenta, Yellow) Maximum Resolution: 4800 x 2400 dpi Automatic 2-sided Printing: Yes (up to A3) Print Speed: Photo Default - 10 x 15 cm / 4 x 6 ": Approx. 43 sec per photo (Border) / 52 sec per photo (Borderless)*2 Draft, A4 (Black / Colour): Up to 32.0 ppm / 22.0 ppm Maximum Copy Size: A3 Copy Resolution: 600 x 600 dpi Scanner Type: Flatbed colour image scanner Sensor Type: CIS Optical Resolution: 1200 x 2400 dpi Maximum Scan Area: 297 x 431.8 (mm) Scanner Bit Depth (Colour): 48-bit input, 24-bit output Scan Speed (Flatbed / ADF (Simplex | Duplex)): 200dpi, Black: 5 sec / Up to 26.0 ipm | 11.5 ipm Paper Capacity: 50 sheets Number of Paper Trays: 3 (Front 2, Rear 1) Standard Paper Input Capacity: Cassette 1: 250 sheets for A4 Plain paper (80g/m2) 50 sheets for Premium Glossy Photo Paper Cassette 2: 250 sheets for A4 Plain paper (80 g/m2) Rear Slot: 50 sheets for A4 Plain paper (80 g/m2), 20 sheets for Premium Glossy Photo Paper Output Capacity: 125 sheets for A4 Plain paper (80 g/m2), 20 sheets for Premium Glossy Photo Paper Paper Sizes: A3, Super B (13 x 19"), Indian Legal, Letter, A4, 16K (195 x 270mm), 8K (270 x 390mm), Executive (7.25 x 10.5"), B4, B5, A5, B6, A6, 8.5 x 13", 5 x 7", 4 x 6", 8 x 10", Legal (8.5 x 14"), 16:9 wide, Envelopes: #10, DL, C6, C4 Paper Feed Method: Friction feed Interface: USB 2.0, Ethernet, Wi-Fi IEEE 802.11 b/g/n, Wi-Fi Direct LCD Screen: 4.3" Colour LCD Touch Screen With Additional 2 pieces of Maintenance Box Warranty : 2 years manufacturer's warranty or Repair or Replacement, coverage both parts and labor, from manufacturer's authorized technicians or service centers	5			
36.	WIDE FORMAT ALL-IN-ONE PRINTER Functions / Multitasking supported : Print, copy, scan, fax / Yes Print resolution : Black (best): Up to 1200 x 1200 rendered dpi; ; Color (best): Up to 4800 by 1200 Print technology : Thermal Inkjet, Optical Thermal Inkjet Print cartridges number : 4 (1 each black, cyan, magenta, yellow) Borderless printing : Yes (up to A3/11 x 17-in) Color scanning : Yes Scan type / Technology : Flatbed, ADF / Contact Image Sensor (CIS) Scan resolution :	1			

	Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 dpi Scan Size : ADF: Two-sided (Duplex): 8.27 x 11.69 in; One-sided: 8.5 x 14 in Maximum; Flatbed: 11.69 x 17 in Copy speed : Black (ISO): Up to 18 cpm;; Color (ISO): Up to 13 cpm;; Black (draft): Up to 33 cpm;; Color (draft): Up to 31 cpm Copy resolution : Black (text and graphics): Up to 600 dpi; Up to 600 dpi; Color (text and graphics): Up to 600dpi Warranty : 4 Year Care Pack Business Priority Support with Onsite Exchange				
37.	PROJECTOR W/ PRESENTER BUNDLE, Projection Technology: RGB liquid crystal shutter projection system (3LCD) White Light Output (Normal/Eco): 4,000 lm Colour Light Output: 4,000 lm USB Type A: 1 (For Wireless LAN, Firmware Update, Copy OSD Settings) USB Type B: 1 (For Firmware Update, Copy OSD Settings) Composite: 1 RCA D-Sub 15pin: 1 Digital Input: HDMI x 1 Audio Input: 2RCA (White & Red) x 1 Contrast Ratio:16,000:1 Standard Size:Tele: 33" to 320" [1.10 to 10.89 m], Wide: 33" to 320" [0.91 to 9.07 m] Vertical/Horizontal Keystone:±30° / ±30° (Auto Vertical Keystone only) Quick Corner:Yes LCD:Size: 0.59" (C2fine) Native Resolution: WXGA (1280 x 800) Lightsource:Type: 210W UHE Life (Normal / Eco): 6,000 / 12,000 hours Aspect Ratio:16:10 Accessories: Carrying Bag Warranty : 1 year local Supplier Warranty Presenter Laser Class : Class 2 Laser Max Output : Less than 1mW Wireless technology 2.4 GHz wireless technology Battery type 2 AAA batteries Dimensions (+/- 10%) H x W x D: 37.8 mm x 115.5 mm x 27.4 mm Warranty: 3 years local supplier warranty	6			
38.	PROJECTOR Projection Technology: RGB liquid crystal shutter projection system (3LCD) White Light Output (Normal/Eco): 4,000 lm Colour Light Output: 4,000 lm USB Type A: 1 (For Wireless LAN, Firmware Update, Copy OSD Settings) USB Type B: 1 (For Firmware Update, Copy OSD Settings) Composite: 1 RCA D-Sub 15pin: 1 Digital Input: HDMI x 1 Audio Input: 2RCA (White & Red) x 1 Contrast Ratio:16,000:1 Standard Size:Tele: 33" to 320" [1.10 to 10.89 m], Wide: 33" to 320" [0.91 to 9.07 m] Vertical/Horizontal Keystone:±30° / ±30° (Auto Vertical Keystone only) Quick Corner:Yes LCD:Size: 0.59" (C2fine) Native Resolution: WXGA (1280 x 800) Lightsource:Type: 210W UHE Life (Normal / Eco): 6,000 / 12,000 hours Aspect Ratio:16:10 Accessories: Carrying Bag Warranty : 1 year local Supplier Warranty	3			
39.	SC-LC FIBER PATCH Fiber Type: Single Mode Connector Type: Hybrid Size: 2.0mm Mode: Singlemode Duplex: Yes Length: 3 meters 9/125 μm Type: SC-LC OD:2.0MM UPC	50			

40.	MICRO SD CARD Form Factor : microSDXC Capacity : 256GB Bus Speed Mode : UHS-I SDR104 Speed Class : Class 10, V30 Read : Up to 100MB/s Write : Up to 40MB/s Endurance Hours : 140,160 Protection : Water-proof, Temperature-proof, X-ray-proof, Magnetic-proof, Drop-proof, Wearout-proof Features : Extreme Endurance for Monitoring Devices, Built to last up to 140K hours, Record and Play in FHD or 4K, Critical data Safeguarded Warranty : 5 years manufacturer's warranty	16			
41.	SFP TRANSCEIVER Transceiver Type: SFP Fiber Media Support: Single-Mode Speed: 1.25 Gbps Distance: 10 km Compliant Standard: IEEE802.3ah 1000BASE-BX-D Connector : Simplex LC connector Single/Bi Direction : Bi-direction Wavelength : Tx: 1550 nm, Rx: 1310 nm Cable Type : Single-mode 9/125 um fiber Power Supply : 3.3 V Hot Pluggable : Yes MSA Compliant : Yes RoHS Compliant: Yes	10			
42.	SINGLE FUNCTION LASER PRINTER Print Speed Black Normal: Up to 20 ppm First Page Out Black: As fast as 8.3 sec Resolution: Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dp Duty Cycle (Monthly, A4) Up to 10,000 pages Print Technology: Laser Processor Speed: 400 MHz Connectivity, standard: Hi-Speed USB 2.0 port Paper handling input, standard 150-sheet input tray, 10-sheet priority tray Paper handling output, standard 100-sheet output tray Warranty: 4 Years Next Business Day Exchange Service	9			
43.	SOLID STATE DRIVE Product Type: PCIe 4.0 NVMe SSD Encryption: AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667) Read/Write Speeds: 7,000/5,000 MB/s Capacity: 2TB Interface: PCIe® Gen 4.0 x 4, NVMe® 1.3c M.2 2280: Yes NAND Flash Memory : V-NAND 3bit MLC DRAM Cache Memory : 2GB LPDDR4 Warranty: 5 years manufacturer's warranty	1			
44.	SSD NVME, 250GB SSD Product Type: PCIe 3.0 x4, NVMe 1.3 Encryption: AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667) Read/Write Speeds: 3,400/1,500 MB/s Capacity: 250GB Interface: PCIe Gen 3.0 x 4, NVMe 1.3c M.2 2280 : Yes NAND Flash Memory : V-NAND 3bit MLC DRAM Cache Memory : 512MB LPDDR4 Warranty: 5 years manufacturer's warranty	15			
45.	SSD, 2.5 500GB SSD Product Type: SATA SSD Encryption: AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667) Read/Write Speeds: 560/530 MB/s	18			

	Capacity: 500GB Interface: SATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & 1.5 interfaces 2.5-inch form factor: Yes, NAND Flash Memory: V-NAND 3bit MLC DRAM Cache Memory: 512MB LPDDR4 Warranty: 5 years manufacturer's warranty				
46.	TESTER, OTDR Optical Fiber Tester Type: UPC Use: FTTX Fiber Type: Singlemode Application: FTTH System Language: English Wave: 1310/1550nm Display: 4.3 inch Product Name: Optical Time Domain Reflectometer / OTDR Inclusions: 1 x Host, 1 x AC/DC Power Adapter, 1x Data Line, 1 x SC Adapter, 1 x U Disk or TF Card (Contains Analysis Software / User's Manual), 1 x Fast Operation Manual, 1 x Certificate / Warranty Card, 1 x Calibration Certification, 10 x Alcohol Cotton Chips, 1 x Instrument Bag Warranty: 1 year local supplier warranty	1			
47.	UNINTERRUPTED POWER SUPPLY, Rated power in W: 650 W Rated power in VA: 1200 VA Input Connection Type: IEC 60320 C14 Output connection: 4 x universal, 1 x IEC 60320 C13 Battery type: Lead-acid battery Mounting support Floor Network frequency 50/60 Hz +/- 5 Hz auto-sensing Input voltage limits 140 to 300 V 230 V AC Output frequency 50/60 Hz +/- 1 Hz sync to mains UPS type Line interactive Wave type: Stepped approximation to a sinewave IP degree of protection: IP20 Battery voltage: 12 V Battery capacity 9.0 Ah Battery life 2-to-3-year(s) Surge energy rate 273: J Mercury free: Yes Warranty: 2 years Local Supplier Warranty	7			
48.	USB, 3.0 Type C Hub with HDMI RJ45 Network Port USB C Multiport Port Hub Thunderbolt 3 Type C Docking Station SD TF Card Reader Slot USB 3.0 Type C to HDMI Adapter HDMI Port supports 4k@30Hz, VGA Port supports 1080P@60Hz. When HDMI and VGA output simultaneously, the resolution is 1080P@60Hz. Multiple shielding structure, Aluminum Foil + Metal Braided + GND, to ensure stable signal transmission. Aluminum shell Efficient good heat dissipation.	3			
49.	APPLE 96W USB-C POWER ADAPTER (to be used with existing equipment) The 96W USB-C Power Adapter offers fast, efficient charging at home, in the office, or on the go. It's compatible with numerous USB-C devices and charging cables. Apple recommends pairing this power adapter with your 14-inch MacBook Pro (2021) using a USB-C to MagSafe 3 Cable or USB-C Charge Cable to take advantage of fast charging,	1			

	so you can go from 0 to 50 percent charge in around 30 minutes.				
50.	APPLE USB-C CHARGE CABLE (to be used with existing equipment) USB-C Charge Cable (2 m) Compatible for Mcbook pro 20W USB-C Power Adapter	1			
51.	USB, Type C Multi-card Reader Writer SD micro–SD CF Compact Flash SDDR-A631 Thing Weight 6.3 ounces Item Dimensions 4.84 x 2.28 x 0.72 inches Thing Dimensions LxWxH 4.84 x 2.28 x 0.72 inches Attachment-and-play multi-design card peruser for SDHC and SDXC, microSD, and CompactFlash cards Works with UHS-II, UHS-I and non-UHS SD and microSD cards, and CompactFlash cards up to UDMA 7 USB 3.0 interface can move content up to 10x quicker than USB 2.0 interface,(1) in reverse viable with USB 2.0. Works with Windows and Mac PCs. Quick exchange rates of up to 312MB/s for SD and microSD cards, (1) up to 160MB/s for CompactFlash cards (1) (1)Based on standard CompactFlash, UHS-II SD, UHS-II microSD, and USB interface speeds; execution may shift contingent upon genuine card speed, use case and host gadget. 1MB=1,000,000 bytes.	4			
52.	UTP CABLE - CAT 6 (BLUE), Conductors/ insulators: 24 AWG solid copper insulated with HPDEE Flame rating: PVC (CMR) – UL 1666 PoE compliance: Meets IEEE 802.3af and IEEE 802.3at for PoE applications Installation tension: 110 N (25 lbf) maximum Cable jacket: PVC (CMR) – Flame retardant PVC	25			
53.	VOICE RECORDER, Specifications: Battery Type : Built-In Lithium Battery Built-In Memory : 4 GB Built-In Microphone : Yes Calendar Search : Yes LCD Backlight : Yes Maximum Files Per Folder : 199 Maximum Files (Total) : 5,000 Files (Including Number Of Folder) PC Connectivity : Yes Playback Format : LPCM/MP3/AAC/WMA Recording Format : Linear PCM/MP3 USB Connection Charging : Yes Scene Select : Yes Sync Recording Function: Yes Recording Monitor : Yes FM Radio Recording: Yes VOR : Yes A-B Repeat : Yes Digital Pitch Control (Speed Control) : Yes Divide : Yes Easy Search : Yes Erase : Yes File Copy :Yes Folder Name Change (Without Using PC) : Yes Graphic Equalizer : Yes Move File : Yes Noise Cut :Yes (Clear Voice) Protect :Yes Track Mark : Yes Features - Reduce background noise with Auto Voice Recording - Get a better sound with Auto Music Recording - Capture distant or quiet sounds with S-Microphone - Get to the point with Time Jump - Wider, brighter recording LED - Turn it up with Playback Normalization - See clearly with a larger OLED Display - USB direct connection for quick file transfer MicroSD card: Form Factor :	5			

	microSDXC Capacity : 64GB Bus Speed Mode : UHS-I SDR104 Speed Class : Class 10, V10 Speed Grade : Grade 1 (U1) Transfer Speed : Up to 130MB/s Durability : 10,000 mating cycles Proof Features : Water-proof, Temperature-proof, X-ray-proof, Magnetic-proof, Drop-proof, Wearout-proof Features : Fast and Smooth, Expand and Store big, Fully protected Warranty: 1 year warranty"				
54.	WIRELESS ROUTER Network Security: SPI Firewall, Access Control, IP & MAC Binding, Application Layer Gateway Guest Network: 2× 5 GHz Guest Network, 1× 2.4 GHz Guest Network VPN Server : OpenVPN, PPTP WiFi Encryption : WPA, WPA2, WPA3, WPA/WPA2-Enterprise (802.1x) Standards : IEEE 802.11ax/ac/n/a 5 GHz, IEEE 802.11ax/n/b/g 2.4 GHz WiFi Speeds: , 5 GHz: 4804 Mbps (802.11ax, HE160), 5 GHz: 1201 Mbps (802.11ax), 2.4 GHz: 574 Mbps (802.11ax) WiFi Range : 8× Detachable High-Performance Antennas, Beamforming, High-Power FEM, 4T4R WiFi Capacity : Tri-Band, 4×4 MU-MIMO, OFDMA, Airtime Fairness, DFS, 8 Streams Working Modes : Router Mode, Access Point Mode Processor : 1.5 GHz Quad-Core CPU Ethernet Ports: 1× 2.5 Gbps WAN/LAN Port, 1× Gigabit WAN/LAN Port, 3× Gigabit LAN Ports WAN Types: Dynamic IP, Static IP, PPPoE, PPTP, L2TP DHCP : Address Reservation, DHCP Client List, Server Warranty : 1 year local supplier warranty	9			
	Total Bid Price				

[*Signature*]
[Name of Authorized Signatory]
[*Position/Title of Authorized Signatory*]