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 (APP 2023)

With an Approved Budget for the Contract (ABC) *of*
Four Million Sixty-Nine Thousand One Hundred Sixty Pesos
(₱ 4,069,160.00)

Invitation to Bid No.   Goods 2023-017
PhilGeps Reference No.: 9720740

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 (APP 2023)

Invitation to Bid No. Goods 2023-017

1. The Tarlac State University, through **Special Budget (SB)** intends to apply the sum of **Four Million Sixty-Nine Thousand One Hundred Sixty Pesos (₱ 4,069,160.00)** to payments under the contracts for the project: **Supply and Delivery of IT Tools (APP 2023)**. Bids received in excess of the ABC shall automatically be rejected at bid opening.

2. The Tarlac State University now invites bids for the project: **Supply and Delivery of IT Tools (APP 2023)**. Delivery of the Goods is required within **sixty (60) 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 7:00 A.M. to 6:00 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 **May 5, 2023** to **May 30, 2023** 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 ₱ 4,000.00.

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 **May 16, 2023 (3:00 P.M.)** at the Business Center Audio Visual Room, 2nd Floor, Business Center Bldg., 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 **May 30, 2023 (3:00 P.M.)**. Late bids shall not be accepted.

> **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**

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 **May 30, 2023**, **at 3:00 P.M.,** at the Business Center Audio-Visual Room, 2nd Floor, Business Center Bldg., 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**

(SGD) DR. MURPHY P. MOHAMMED
BAC Chairperson

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 (APP 2023)**, with identification number **Invitation to Bid No. Goods 2023-017.**

1.2. The procurement project (referred to herein as "Project") is composed of forty-seven 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 **2023** in the amount of ₱ **4,069,610.00**

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 **September 27, 2023**. 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 ₱ 4,069,610.00
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 sixty (60) calendar days upon receipt of the Notice to Proceed.

Section VII. Technical Specifications

Item No.	Description
1.	Automatic Voltage Regulator, AC Automatic Voltage Regulator, Maximum Output Voltage: 3,000 VA, Range of Input Voltage: 140 - 250 V, Input/Output Voltage: 110 V and 220 V, Accuracy of Voltage: 220 V +/- 3 % and 110 V +/- 6 %, Over-Voltage Protection Value: 246 V + -4% , Under-Voltage Protection Value: 184 V + -4% Frequency: 50-60 Hz, Load Power Factor: 0.8, Efficiency: -90 %, Unit Dimensions: 34 x 27 x 28 cm, 1 year warranty
2.	Bi-Directional SFP Fiber Module Single-Mode, 1Gb Reach: 5 km Data rate: 1.25 Gb/s Wavelength: 1310 nm/1550 nm, 1550 nm/1310 nm Connector : SC Connector Speed : 1G Mode : Single Mode Type: SFP Module Direction : Bi-Directional Plug and Play Must be compatible with Ubiquiti, Mikrotik, Dlink Fiber switches 1 year warranty
3.	Cheque Printer, General Information: Font: 5 x 7 / 7 x 7 Thai Font: 5 x 21 / 7 x 21 Column Capacity: 35 / 42 Columns Character Size (W x H): 1.6 (W) x 2.9 (H) / 1.3 (W) x 2.9 (H) mm Thai Font Size: 1.6(W) x 8.7(H) / 1.9(W) x 8.7(H) mm Character Set: 95 Alphanumeric, 32 International, 128 x 3 Graphic Characters Per Line: 13.5cpi / 16.2 cpi Data Buffer: 512 bytes or 35 bytes Colour: (Cool White) Paper Dimensions: Width: 80(W) x 69(L) to 182 (W) x 257 (L) mm Thickness (mm): 0.09 to 0.25 mm (Total Thickness with Copy: ~0.35) EMI and Safety Standards: EMC Standards: I year warranty
4.	Colored Ink Tank Printer, "Printer Type:Print Print Method: On-demand inkjet (Piezoelectric) Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow) Maximum Resolution: 5760 x 1440 dpi Print Speed: Photo Default - 10 x 15 cm / 4 x 6 "" *1: Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless)*2 Draft, A4 (Black / Colour): Up to 33.0 ppm / 15.0 ppm*2 ISO 24734, A4 Simplex (Black / Colour): Up to 10.0 ipm / 5.0 ipm*2 First Page Out Time from Ready Mode (Black / Colour): Approx. 10 sec / 16 sec*2 Maximum Paper Size: 215.9 x 1200 mm Paper Sizes: Legal (8.5 x 14""), 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), 5 x 7"", 5 x 8"", 4 x 6"", Envelopes: #10, DL, C6 Print Margin: 0 mm top, left, right, bottom via custom settings in printer driver (except plain paper)*3 Interface: USB 2.0 at least 2 years manufacturer warranty

5.	Computer Tablet, CPU Speed : Octa-Core, 2 GHz Battery Capacity : 7,040 mAh Camera Resolution : 8 MP AF + 5 MP (Front) Resolution - Main Display : 1920 x 1200 External Memory Support 1TB expandable memory CPU Speed : 2 GHz Display Size (Main Display) :10.5"" (266.9mm) Resolution (Main Display) : 1920 x 1200 (WUXGA) Technology (Main Display) : TFT Color Depth (Main Display) : 16M Rear Camera - Auto Focus : Yes Video Recording Resolution : FHD (1920 x 1080) @ 30fps Memory : 4GB ROM Size (GB) : 64 Available Memory (GB) : 47.7 USB Version : USB 2.0 Location Technology GPS, Glonass, Galileo, QZSS Earjack : 3.5mm Stereo Wi-Fi : 802.11 a / b / g / n / ac 2.4G+ 5GHz, VHT80 Wi-Fi Direct : Yes Bluetooth Version : Bluetooth v5.0 Bluetooth Profiles : A2DP, AVRCP, DI, HID, HOGP, HSP, OPP, PAN OS : Android OS : Android Sensors : Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor Video Playing Format : MP4, M4V, 3GP, 3G2, AVI, FLV, MKV, WEBM Video Playing Resolution : FHD (1920 x 1080) @ 60fps Audio Playing Format : MP3, M4A, 3GA, AAC, OGG, OGA, WAV, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA Warranty : 2 years extended Care plan, Accidental & Liquid Damage, serviced by Authorized service centers"	
6.	DDR4 Memory for Desktop Computer, 4 GB, Dell Memory Upgrade 4 GB 1RX16 PC4-2400T-SC0-11 1 year warranty	
7.	Desktop Computer RAM, Dell Memory Upgrade – 8 GB - 1Rx8 DDR4 UDIMM 2400MHz (DELL SNPM0VW4C/8G, DELL A9321911) 1 year warranty	
8.	External Hard Disk Drive, Capacity: 3 TB Interface USB 3.0 USB 2.0 Compatibility Formatted NTFS for Windows® 10+. Reformatting may be required for other operating systems. Compatibility may vary depending on user's hardware configuration and operating system. In The Box Portable hard drive USB cable Quick install guide at least 1 year warranty	
9.	External Storage Drive, Interface : Compatible with USB 3.2 Gen2 (10 Gbps), backwards compatible Capacity :500 GB Transfer Speed : Up to 1,050 MB/s Features : Built strong and secure Dynamic Thermal Guard solid aluminum unibody construction at least 3 years Local Supplier warranty	
10.	Fiber Optic - F Clamp, S-Type	
11.	Fiber Optic (ODF/Patch Panel), 24 ports with wirings, rack mounted 1 year warranty	

12.	Fiber Optic Cable, 1 core, 2 km length
13.	Flash Drive, 64GB Ultra-Flair USB 3.0 external drive interface: USB 3.2 Gen 1 (USB 2.0 compatible) 1 year warranty
14.	Gigabit Switch - 16 Port Unmanaged Rackmount, Number of Ports : 16 x10/100/1000 Mbps ports Standards : • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.1p Quality of Service (QoS) • IEEE 802.3x Flow Control supported for full-duplex • Auto-negotiation • IEEE 802.3az Energy-Efficient Ethernet (EEE) Data Transfer Rates : • Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex) • Gigabit Ethernet: 2000 Mbps (full-duplex) Features : Power saving by link status and cable length Security : Storm Control QoS (Quality of Service) : 802.1p priority, 8 queues Cable Diagnostics: Indicated through port LEDs Protocol : CSMA/CD Switching Capacity : 32 Gbps Max. Forwarding Rate : 23.81 mpps Packet Buffer RAM : 512 KBytes per device Filtering Address Table : 8K MAC addresses per device Packet Filtering/Forwarding Rate : Ethernet: 14,880 pps per port, Fast Ethernet: 148,800 pps per port, Gigabit Ethernet: 1,488,000 pps per port MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward Indicator LEDs : Power LED (per device), Link/Activity/Speed LEDs (per port) DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control 1-year warranty
15.	Gigabit Switch - 24 Port Unmanaged Rackmount, Number of Ports : 24 x10/100/1000 Mbps ports Standards : • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.1p Quality of Service (QoS) • IEEE 802.3x Flow Control supported for full-duplex • Auto-negotiation • IEEE 802.3az Energy-Efficient Ethernet (EEE) Data Transfer Rates : • Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) • Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex) • Gigabit Ethernet: 2000 Mbps (full-duplex) Features : Power saving by link status and cable length Security : Storm Control QoS (Quality of Service) : 802.1p priority, 8 queues Cable Diagnostics: Indicated through port LEDs Protocol : CSMA/CD Switching Capacity : 48 Gbps Max. Forwarding Rate : 35.71 mpps Packet Buffer RAM : 512 KBytes per device Filtering Address Table : 8K MAC addresses per device Packet Filtering/Forwarding Rate : Ethernet: 14,880 pps per port, Fast Ethernet: 148,800 pps per port, Gigabit Ethernet: 1,488,000 pps per port MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward Indicator LEDs : Power LED (per device), Link/Activity/Speed LEDs (per port) DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control 1-year warranty
16	Gigabit Switch - 8 Port Unmanaged, Interface : • 8 x 10/100/1000BASE-T ports, PoE: ports 1 to 4 Standards : • IEEE 802.3 10BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet • IEEE 802.3az Energy Efficient Ethernet (EEE)

	• ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control Media Interface Exchange : Auto-MDI/MDI-X adjustment on all ports Switching Fabric: 16 Gbps Transmission Method : Store-and-forward Data Transfer Rates : Gigabit Ethernet • 2000 Mbps (full duplex) • Fast Ethernet • 100 Mbps (half duplex) • 200 Mbps (full duplex) • Ethernet • 10 Mbps (half duplex) • 20 Mbps (full duplex Packet Filtering / Forwarding Rates : 11.90 Mpps MAC Address Table : 4K entries per device Jumbo Frame Size : 9,720 bytes RAM Buffer : 512 Kb PoE Standards : IEEEE 802.3af, IEEEE 802.3at PoE-Capable Ports: Ports 1 to 4 PoE Power Budget : 68 W (30 W max per PoE port) 1-year warranty
17.	HD 720 P Web Camera, 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 RightSound™ technology Hi-Speed USB 2.0 certified Universal clip fits laptops, LCD or CRT monitors RightLight™ 2 technology Video and photo capture Works with most instant messaging applications at least 1 year warranty
18.	HDMI Cable, 1.5 meter Projection Technology: RGB liquid crystal shutter projection system Brightness: White Light Output (Normal/Eco): 3,600lm / 2,235lm Colour Light Output: 3,600lm USB Interface: USB Type A: 1 (for USB Memory, USB Document Camera, Firmware Update) USB Type B: 1 (for USB Display, Mouse, K/B, Control, Firmware Update) Analog Input: D-Sub 15pin: 1 (Blue molding) Composite: RCA x 1 (Yellow) Digital Input: 2 (1 supports MHL) Audio Input: 2 RCA (White / Red): 1 Wireless: in-built Contrast Ratio: 15,000:1 Screen Size (Projected Distance): Standard Size: 60" screen 1.8 - 2.17 m Zoom : Wide: 30" - 300" [0.87 - 9.02 m] Zoom : Tele: 30" - 300" [1.07 - 10.98m] Geometric Correction: Vertical/Horizontal Keystone: ±30° / ±30° Auto Keystone: Yes (Vertical only) Horizontal Slide Keystone Correction: Yes Quick Corner: Yes Sound Output: 2W Mono Wireless LAN Security: WPA2-PSK(AES) Supported Connection Mode: Wi-Fi Direct LCD: Size: 0.67" (D10) Native Resolution: WUXGA at least 1 year warranty"
19.	HDMI Cable (10 meters), Color: Black Interface Type: Standard HDMI Interface Process: Gold-plated Resolution: 4K 60 Hz – 1080vP 60 Hz Conductor Material: Pure Copper Jacket: PVC Head: Two-color PVC injection Cable Length: 15 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminium foil mylar+Metal Braied AWG: 30AWG" Warranty at least 1 year warranty
20.	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: 15 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminium foil mylar+Metal Braied AWG: 30 AWG at least 1 year warranty
21.	HDMI to SDI 6 G Mini Converter, SDI Video Outputs 2 x SDI Video Outputs. Automatically matches the SD, HD and 6G-SDI HDMI video input. HDMI Video Inputs : HDMI type A in Analog Audio Inputs : 2 channels of professional balanced analog audio with standard 1/4 inch jack connections. Digital Audio Inputs :4 channels of AES/EBU digital audio. Multi Rate Support : Auto detection of SD, HD or 6G-SDI. Updates and Configuration : USB Reclocking : Yes Standards :SD Video Standards 625i25 PAL, 525i29.97 NTSC HD Video Standards : 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60 Ultra HD Video Standards :2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30 4K Video Standards : 4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p SDI Compliance : SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M, SMPTE 425M Level A or Level B, SMPTE ST-2081, ITU-R BT.656 and ITU-R BT.601. SDI Video Rates : SDI video connections are switchable between SD, HD, Ultra HD and DCI 4K. SDI Video Sampling : 4:2:2 SDI Audio Sampling : Television standard sample rate of 48 kHz and 24 bit. SDI Color Precision : 4:2:2 SDI Color Space : YUV SDI Auto Switching :Automatically detects SD, HD or 6G-SDI. HDMI Video Standards : 625i25 PAL, 525i29.97 NTSC, 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60, 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30 HDMI Color Space : YUV and RGB HDMI Color Precision :4:2:2 and 4:4:4 Format Conversion : HD down conversion Software :Software Control Mac OS and Windows software upgrade via USB. Internal Software Upgrade Via included updater application. at least 1 year warranty
22.	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 1 year warranty
23.	Indoor/Outdoor Wireless Access Point, Standards : Wi-Fi 6 IEEE 802.11ax/ac/n/a 5 GHz IEEE 802.11ax/n/b/g 2.4 GHz WiFi Speeds : AX6000 5 GHz: 4804 Mbps (802.11ax, HE160) 2.4 GHz: 1148 Mbps (802.11ax) 8× Fixed High-Performance Antennas Multiple antennas form a signal-boosting array to cover more directions and large areas Beamforming : Concentrates wireless signal strength towards clients to expand WiFi range High-Power FEM, Improves transmission power to strengthen signal coverage, 4T4R Multiple streams in the same band strengthen the fault tolerance in transmission WiFi Capacity : Very High Dual-Band , Allocate devices to different bands for optimal performance, 4×4 MU-MIMO Simultaneously communicates with multiple MU-MIMO clients OFDMA, Simultaneously communicates with multiple Wi-Fi 6 clients 1 year warranty
24.	Integrated Mount Tester, Features

	· Supports HDCVI, AHD, HDTVI and CVBS digital surveillance system. · PoE or 12 VDC power supply. · Support Onvif protocol to configure IP address..Audio/RS-485 control .· Digital multimeter function.· TDR network cable test. · Wi-Fi signals test. Specifications Operation mode : TouchscreenDisplay Screen : 7-in 16.7M color TFT touch screen, RGB interface lcd display: 1920 ×1200, backlight brightness adjustable Wi-Fi : Frequency: 2.4G/5GProtocol: IEEE 802.11a/n/ac UTC : Switches from CVBS mode to CVI/TVI/AHD mode; Switches from one HD format (up to 1080p) to another HD format DC Voltage : Limit: 2/20/200/600 VReading range: ±19999 AC Voltage : Limit: 20/200/600 VReading range: ±1999 DC Current : Limit: 20/200/2000 mA Reading range: ±19999 AC Current : Limit: 20/200/2000 mA Reading range: ±1999 Resistance Test : Limit: 2 kΩ/20 kΩ/200 kΩ/2 mΩ/20 mΩ Reading range: 0–19999 Capacitance Test : Limit: 2 nF/20 nF/200 nF/2 uF/20 uF/200 uF/2 mF/20 mFReading range: 0–1999 Diode Voltage Drop : Limit: 2 V Reading range: 0–19999 Continuity Test : Limit: 2 kΩ Reading range: 0–19999 RS-485 Control : Communication protocol: More than 30 protocols including Pelco–D/P, Samsung, Panasonic, Lilin, and Yaan Baud Rate: 150 bps, 300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600bps, 19200 bps Wireless : Spectrum Test; Wi-Fi Test; Signal Monitoring Cable Test : Network Cable Test: Test network cable pair length, attenuation and delay deviation. Test two or more network cables. The connection sequence and network cable number will be C286displayed on the screen HDMI Test : 1-ch HDMI video input (720p and 1080p); 1-ch HDMI video output (1920 ×1080p) Audio Test : 1 × audio input, and 1 audio output Power Supply for Camera : 12 VDC 2A Protocol Code Acquisition : Built–in serial port tool, can receive and display RS485 protocol code data sent by control device, and can also send hexadecimal codes IPC Test Camera Access : ONVIF and private protocol Function Control : Modify the IPC resolution, IP address and account password. Control IPC to restore factory defaults Analog Video Test : Yes Video Format : HDCVI; HDTVI; AHD; CVBS (NTSC, PAL)Ports : 1 × charge port, 12 VDC 1 × power output port, 12VDC 2A 1 × audio input port, 1 × audio output port 1 × type–A port, 1 × slave port 2 × RJ45 10M/100M/1G network port 1 × HDMI input port 1 × HDMI output port 1 x RS-485 1x OPM 1 x Multimeter with bag and needed accessories at least 1 year warranty
25.	M.2 PCIE NVME SSD, Gen 3.0, x4 Type-2280 High Performance Solid State Drive 250GB, read speeds of up to 3500 MB/s, sequential write speeds of up to 3300 MB/s, Warranty : 1 year warranty
26.	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/ Operating System Compatibility: Mac OS X 10.6.8 or later Windows XP / Vista / 7 / 8 / 8.1 / 10 Windows Server 2003 / 2008 / 2012 / 2016 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 w/ Maintenance Box 4 years warranty or 50,000 prints, whichever comes first. On-site repair by an authorized technician by the manufacturer.
27.	Mouse, Computer Mouse (USB) Buttons: 3; Connectivity: USB; Tracking: Optical; DPI Resolution: 800; Cable Length: 180 cm; at least 1 year warranty;
28.	Multifunction Coloured Ink Tank Printer, Printer Type:

	Print, Scan, Copy, Fax with ADF Print Method: On-demand inkjet (Piezoelectric) Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow) Maximum Resolution: 5760 x 1440 dpi Print Speed: Photo Default - 10 x 15 cm / 4 x 6 " *1: Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless)*2 Draft, A4 (Black / Colour): Up to 33 ppm / 15 ppm*2 ISO 24734, A4 Simplex (Black / Colour): Up to 10 ipm / 5.0 ipm*2 First Page Out Time from Ready Mode (Black / Colour): Approx. 10 sec / 16 sec*2 Maximum Copy Resolution: 600 x 600 dpi Maximum Copy Size: Legal ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.7 ipm / 3.8 ipm Scanner Type: Flatbed colour image scanner Sensor Type: CIS Optical Resolution: 1200 x 2400 dpi Maximum Scan Area: 216 x 297 mm 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 / ADF (Simplex)): 200dpi, Black: 12 sec / Up to 4.5 ipm 200dpi, Colour: 29 sec / Up to 4.5 ipm ADF Specifications: Paper Capacity: 30 pages (A4), 10 pages (Legal) Standard Paper Input Capacity: Up to 100 sheets of Plain paper (80 g/m2) Up to 20 sheets of Premium Glossy Photo Paper Output Capacity: Up to 30 sheets of Plain Paper (80 g/m2) Up to 20 sheets Premium Glossy Photo Maximum Paper Size: 215.9 x 1200 mm Paper Size: Legal (8.5 x 14"), 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), 5 x 7", 5 x 8", 4 x 6", Envelopes: #10, DL, C6 Print Margin: 0 mm top, left, right, bottom via custom settings in printer driver *3 USB 2.0 Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct Warranty : at least 1 year warranty
29.	Network Attached Storage with 4 TB HDD, with 4TB Hard Drive
30.	Photo Printer, Print Method: On-demand inkjet Maximum Print Resolution: 5760 x 1440 dpi Minimum Ink Droplet Volume: 1.5pl Automatic Duplex Printing: No Print Direction: Bi-directional printing, Uni-directional printing Nozzle Configuration: 90 per colour (Cyan, Light Cyan, Magenta, Light Magenta, Yellow, Black)Print Speed: Up to 15ppm / 15ppm Paper Sizes: A3+, A3, B4, A4, A5, A6, B5, 10x15cm (4x6"), 13x18cm (5x7"), 16:9 wide size, Letter (8.5x11"), Legal (8.5x14"), Half Letter (5.5x8.5"), 9x13cm (3.5x5"), 13x20cm(5x8"), 20x25cm(8x10"), Envelopes: #10(4.125x9.5") DL(110x220mm), C4 (229x324mm), C6(114x162mm) at least 1 year warranty
31.	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 at least 1 year warranty
32.	Presenter, Laser Class: Class 2 laser Max output: Less than 1m W Wave Length: 522～542 nm (green light) Battery type: 2 AAA batteries Battery life (Laser pointer): 20-hour maximum Battery life (Presenter): 1050-hour maximum Wireless technology: 2.4 GHz wireless technology Operating distance: Approx 30 m LCD Display : Yes for time Tracking 3 years local supplier warranty
33.	Printer, Printer Type: Print, Printing Technology: Piezoelectric Printhead, Nozzle Configuration:180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow). Minimum Ink Droplet Size:3.0 pl Interface: USB. Warranty: 1 year warranty
34.	Professional Monitor Headphones, Type : Closed-back dynamic Driver Diameter :40 mm Frequency Response :15 - 24,000 Hz Maximum Input Power :1,600 mW at 1 kHz Sensitivity :98 dB Impedance : 35 ohms Cable :Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0m (9.8') straight cable Cable - Detachable Yes Magnet : Neodymium Voice Coil :CCAW (Copper-clad aluminum wire) Folding/collapsible :Yes Accessories Included :Protective carrying pouch, 6.3 mm (1/4") screw-on adapter at least 1 year warranty

35.	Projector W/ Presenter Bundle, Projection Technology RGB liquid crystal shutter projection system White Light Output (Normal/Eco): 3,300lm / 2,050lm Colour Light Output: 3,300lm LCD "Size: 0.55" (D7) Native Resolution: SVGA" Lamp "Type: 210W UHE Life (Normal / Eco)*1: 6,000 hours / 10,000 hours" Connectivity "USB Interface: USB Type A: 1 (for USB Memory, USB Document Camera, for Wireless LAN Unit, Firmware Update) USB Type B: 1 (for USB Display, Mouse, K/B, Control, Firmware Update) Analog Input: D-Sub 15pin: 1 (Blue molding) Composite: RCA x 1 (Yellow)" Contrast Ratio 15,000:1 Screen Size "Standard Size: 60" screen 1.77 - 2.4 m Zoom : Wide: 30" - 350" [0.88 - 10.44 m] Zoom : Tele: 23" - 260" [0.88 - 10.44 m]" Vertical/Horizontal Keystone ±30° / ±30° Auto Keystone Yes (Vertical only) Dimensions (+/- 10%) (W x H x D) 302 x 77 x 234 mm Inclusions Presenter & Tripod Screen Warranty: at least 1 year 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 at least 1 year warranty
36.	Voice Recorder Built-in Memory: 4 Gb Built-in Microphone: Stereo (S-Mic) Recording Format: Linear PCM/MP3 Recording: "Scene Select:Yes, Low-cut, Filter: Yes, VOR: Yes, Sync Recording, Function: Yes, Recording Monitor: Yes" Playback & Edit: "Digital Pitch Control (Speed Control): Yes, Noise Cut: Yes (Clear Voice), Graphic Equalizer: Yes, A-B Repeat: Yes, Easy Search:Yes, Track Mark: Yes, Erase: Yes, Protect: Yes, Divide: Yes, Move File: Yes, File Copy: Yes, Folder Name Change (without using PC): Yes" Dimensions (H x W) (+/- 10%): 3.99 x 1.44 inches 1 year warranty
37.	SINGLE FUNCTION LASER PRINTER, Print Speed Black Normal: Up to 22 ppm First Page Out Black: As fast as 7.3 sec Print Quality Black (Best) Up to 600 x 600 dpi, FastRes 1200 (1200 dpi quality) Duty Cycle (Monthly, A4) Up to 10,000 pages Print Technology Laser Processor Speed 600 MHz Connectivity, standard "1 Hi-Speed USB 2.0 Wireless" Paper handling input, standard 150-sheet input tray, 10-sheet priority tray Paper handling output, standard 100-sheet output tray Dimensions (+/- 10%) Maximum: 364.7 x 466.6 x 332.4 mm 1 year warranty
38.	Smart Switch, Gigabit Stackable Smart Managed Switch with 10G Uplinks Switch
39.	Splitter, HDMI Splitter
40.	SSD 500 GB 2.5 INCH, Interface : SATA 6.0 Gb/s Capacity : 500GB Sequential Read Speed : Up to 550 MB/s Sequential Write Speed : Up to 520 MB/s Cache Memory : 512 MB Low Power DDR4 SDRAM NAND Type : V-NAND 3bit MLC 1-year warranty
41.	SSD, Gen 3.0, x4 Type-2280 High Performance Solid State Drive 250GB, read speeds of up to 3500 MB/s, sequential write speeds of up to 3300 MB/s
42.	Uninterrupted Power Supply, Line Interactive UPS With Automatic Voltage Regulation (AVR), UPS can ride through under & over voltage without utilizing battery

	Rely on batteries anytime : UPS can start up on batteries without mains (Cold Start) UPS is equipped with data line surge protection (internet/fax) to avoid back door damages coming through phone lines Ease of connection to any equipment (PC, HD TV, internet gateway) with universal outlets Interface LED On / Off button IEC C14 (Input cord is provided) Data Line Protection (4) Universal outlets Rating (VA/W) : 1200VA/600W Format : Tower Technology : Line interactive Input voltage ranges without using batteries : 160V - 290V Output voltage : 230V Output frequency : Auto sensing, 50Hz default Data line surge protection (internet/tel/fax) : Yes Input : IEC C14 (Input cord IEC C13 - BS1363 is provided) Outputs : (4) Universal Outlets Communication Ports : USB Software : Winpower 2 years Local Supplier Warranty w/ 1pc of universal socket adapter"
43.	UPS Battery, Rating :12 Volts, 7AH -Valve Regulated Lead Acid (VRLA) Battery replacement for UPS
44.	UTP Cable - CAT 5E (Blue), Conductors/ insulators: 24 AWG solid copper insulated with HDPE Flame rating: 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: Flame-retardant PVC
45.	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
46.	VGA Cable, 5 meters High Quality VGA Cable Common Cable for Computer Monitor or LED Monitor Display High quality Cable with Blue Ends Cable ends screw in to ensure a strong connection. Feature: Male-to-male VGA video for your monitor Connects PC or laptop to the projector, LCD monitor, DVR/ and other video display system through VGA connections"
47.	Voice Recorder with 64 GB Micro SD, 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: Type : microSDHC Memory Card Interface : UHS-I, compatible to HS interface Class : Grade 1, Class 10 Capacity : 64GB Sequential Read Speed : Up to 80Mb/s Sequential Write Speed : Up to 20 Mb/s

	Read : up to 80MB/s with UHS-1 interface
	Write : up to 20MB/s with UHS-1 interface
	- Water proof, Memory Cards can survive up to 72 hours in seawater - Temperature Proof, These memory cards can endure temperatures from -25° to 85° Celsius.
	at least 1 year 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.

	A. Eligibility and Technical Documents (*Contents of Envelope 1*)
☐	1. Photocopy of valid PhilGEPS Certificate of Registration (Revised and updated in accordance with GPPB Resolution No. 15-2021)
☐	2. Statement of all on-going government and private contracts, including contracts awarded but not yet started, if any
☐	3. Statement of Single Largest Completed Contract (SLCC), similar to the contract to be bid, in accordance with ITB Clause 5.3
☐	4. Audited Financial Statements stamped "received" by the BIR or its duly accredited and authorized institutions
☐	5. NFCC computation
☐	6. *If applicable,* a valid 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
☐	7. Bid Securing Declaration or Bid Security, in the form, amount and validity period, as prescribed in ITB Clause 14.1
☐	8. Bidder's Compliance to the Technical Specifications
☐	9. Omnibus Sworn Statement, which shall be duly notarized
	A. Financial Documents (*Contents of Envelope 2*)
☐	1. Financial Bid Form in the prescribed form
☐	2. Schedule of Prices

Section IX. Bidding Forms

TABLE OF CONTENTS

[*Bidder's Letterhead*]

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[*Date*]

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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*]

[*Bidder's Letterhead*]

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

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.

<div align="center">

[*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 ____.

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[*Bidder's Letterhead*]

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<div align="right">

[*Date*]

</div>

To: Tarlac State University

Re: Invitation to Bid No.

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Compliance to the Technical Specifications

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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*]
1.	Automatic Voltage Regulator, AC Automatic Voltage Regulator, Maximum Output Voltage: 3,000 VA, Range of Input Voltage: 140 - 250 V, Input/Output Voltage: 110 V and 220 V, Accuracy of Voltage: 220 V +/- 3 % and 110 V +/- 6 %, Over-Voltage Protection Value: 246 V + -4% , Under-Voltage Protection Value: 184 V + -4% Frequency: 50-60 Hz, Load Power Factor: 0.8, Efficiency: -90 %, Unit Dimensions: 34 x 27 x 28 cm, 1 year warranty	
2.	Bi-Directional SFP Fiber Module Single-Mode, 1Gb Reach: 5 km Data rate: 1.25 Gb/s Wavelength: 1310 nm/1550 nm, 1550 nm/1310 nm Connector : SC Connector Speed : 1G Mode : Single Mode Type: SFP Module Direction : Bi-Directional Plug and Play Must be compatible with Ubiquiti, Mikrotik, Dlink Fiber switches 1 year warranty	
3.	Cheque Printer, General Information: Font: 5 x 7 / 7 x 7 Thai Font: 5 x 21 / 7 x 21 Column Capacity: 35 / 42 Columns Character Size (W x H): 1.6 (W) x 2.9 (H) / 1.3 (W) x 2.9 (H) mm Thai Font Size: 1.6(W) x 8.7(H) / 1.9(W) x 8.7(H) mm Character Set: 95 Alphanumeric, 32 International, 128 x 3 Graphic Characters Per Line: 13.5cpi / 16.2 cpi Data Buffer: 512 bytes or 35 bytes Colour: (Cool White) Paper Dimensions: Width: 80(W) x 69(L) to 182 (W) x 257 (L) mm Thickness (mm): 0.09 to 0.25 mm (Total Thickness with Copy: ~0.35) EMI and Safety Standards: EMC Standards: I year warranty	
4.	Colored Ink Tank Printer, "Printer Type:Print Print Method: On-demand inkjet (Piezoelectric) Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)	

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	Maximum Resolution: 5760 x 1440 dpi Print Speed: Photo Default - 10 x 15 cm / 4 x 6 "" *1: Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless)*2 Draft, A4 (Black / Colour): Up to 33.0 ppm / 15.0 ppm*2 ISO 24734, A4 Simplex (Black / Colour): Up to 10.0 ipm / 5.0 ipm*2 First Page Out Time from Ready Mode (Black / Colour): Approx. 10 sec / 16 sec*2 Maximum Paper Size: 215.9 x 1200 mm Paper Sizes: Legal (8.5 x 14""), 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), 5 x 7"", 5 x 8"", 4 x 6"", Envelopes: #10, DL, C6 Print Margin: 0 mm top, left, right, bottom via custom settings in printer driver (except plain paper)*3 Interface: USB 2.0 at least 2 years manufacturer warranty	
5.	Computer Tablet, CPU Speed : Octa-Core, 2 GHz Battery Capacity : 7,040 mAh Camera Resolution : 8 MP AF + 5 MP (Front) Resolution - Main Display : 1920 x 1200 External Memory Support 1TB expandable memory CPU Speed : 2 GHz Display Size (Main Display) :10.5"" (266.9mm) Resolution (Main Display) : 1920 x 1200 (WUXGA) Technology (Main Display) : TFT Color Depth (Main Display) : 16M Rear Camera - Auto Focus : Yes Video Recording Resolution : FHD (1920 x 1080) @ 30fps Memory : 4GB ROM Size (GB) : 64 Available Memory (GB) : 47.7 USB Version : USB 2.0 Location Technology GPS, Glonass, Galileo, QZSS Earjack : 3.5mm Stereo Wi-Fi : 802.11 a / b / g / n / ac 2.4G+ 5GHz, VHT80 Wi-Fi Direct : Yes Bluetooth Version : Bluetooth v5.0 Bluetooth Profiles : A2DP, AVRCP, DI, HID, HOGP, HSP, OPP, PAN OS : Android OS : Android Sensors : Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor Video Playing Format : MP4, M4V, 3GP, 3G2, AVI, FLV, MKV, WEBM Video Playing Resolution : FHD (1920 x 1080) @ 60fps Audio Playing Format : MP3, M4A, 3GA, AAC, OGG, OGA, WAV, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA Warranty : 2 years extended Care plan, Accidental & Liquid Damage, serviced by Authorized service centers"	
6.	DDR4 Memory for Desktop Computer, 4 GB, Dell Memory Upgrade 4 GB 1RX16 PC4-2400T-SC0-11 1 year warranty	
7.	Desktop Computer RAM, Dell Memory Upgrade – 8 GB - 1Rx8 DDR4 UDIMM 2400MHz (DELL SNPM0VW4C/8G, DELL A9321911) 1 year warranty	
8.	External Hard Disk Drive, Capacity: 3 TB Interface USB 3.0 USB 2.0 Compatibility Formatted NTFS for Windows® 10+. Reformatting may be required for other operating systems. Compatibility may vary depending on user's hardware configuration and operating system.	

	In The Box Portable hard drive USB cable Quick install guide at least 1 year warranty	
9.	External Storage Drive, Interface : Compatible with USB 3.2 Gen2 (10 Gbps), backwards compatible Capacity :500 GB Transfer Speed : Up to 1,050 MB/s Features : Built strong and secure Dynamic Thermal Guard solid aluminum unibody construction at least 3 years Local Supplier warranty	
10.	Fiber Optic - F Clamp, S-Type	
11.	Fiber Optic (ODF/Patch Panel), 24 ports with wirings, rack mounted 1 year warranty	
12.	Fiber Optic Cable, 1 core, 2 km length	
13.	Flash Drive, 64GB Ultra-Flair USB 3.0 external drive interface: USB 3.2 Gen 1 (USB 2.0 compatible) 1 year warranty	
14.	Gigabit Switch - 16 Port Unmanaged Rackmount, Number of Ports : 16 x10/100/1000 Mbps ports Standards : • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.1p Quality of Service (QoS) • IEEE 802.3x Flow Control supported for full-duplex • Auto-negotiation • IEEE 802.3az Energy-Efficient Ethernet (EEE) Data Transfer Rates : • Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex) • Gigabit Ethernet: 2000 Mbps (full-duplex) Features : Power saving by link status and cable length Security : Storm Control QoS (Quality of Service) : 802.1p priority, 8 queues Cable Diagnostics: Indicated through port LEDs Protocol : CSMA/CD Switching Capacity : 32 Gbps Max. Forwarding Rate : 23.81 mpps Packet Buffer RAM : 512 KBytes per device Filtering Address Table : 8K MAC addresses per device Packet Filtering/Forwarding Rate : Ethernet: 14,880 pps per port, Fast Ethernet: 148,800 pps per port, Gigabit Ethernet: 1,488,000 pps per port MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward Indicator LEDs : Power LED (per device), Link/Activity/Speed LEDs (per port) DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control 1-year warranty	
15.	Gigabit Switch - 24 Port Unmanaged Rackmount, Number of Ports : 24 x10/100/1000 Mbps ports Standards : • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.1p Quality of Service (QoS) • IEEE 802.3x Flow Control supported for full-duplex • Auto-negotiation • IEEE 802.3az Energy-Efficient Ethernet (EEE) Data Transfer Rates : • Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) • Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex) • Gigabit Ethernet: 2000 Mbps (full-duplex)	

	Features : Power saving by link status and cable length Security : Storm Control QoS (Quality of Service) : 802.1p priority, 8 queues Cable Diagnostics: Indicated through port LEDs Protocol : CSMA/CD Switching Capacity : 48 Gbps Max. Forwarding Rate : 35.71 mpps Packet Buffer RAM : 512 KBytes per device Filtering Address Table : 8K MAC addresses per device Packet Filtering/Forwarding Rate : Ethernet: 14,880 pps per port, Fast Ethernet: 148,800 pps per port, Gigabit Ethernet: 1,488,000 pps per port MAC Address Learning : Self-learning, auto-aging Forwarding Mode : Store-and-forward Indicator LEDs : Power LED (per device), Link/Activity/Speed LEDs (per port) DIP Switch : Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control 1-year warranty	
16	Gigabit Switch - 8 Port Unmanaged, Interface : • 8 x 10/100/1000BASE-T ports, PoE: ports 1 to 4 Standards : • IEEE 802.3 10BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet • IEEE 802.3az Energy Efficient Ethernet (EEE) • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control Media Interface Exchange : Auto-MDI/MDI-X adjustment on all ports Switching Fabric: 16 Gbps Transmission Method : Store-and-forward Data Transfer Rates : Gigabit Ethernet • 2000 Mbps (full duplex) • Fast Ethernet • 100 Mbps (half duplex) • 200 Mbps (full duplex) • Ethernet • 10 Mbps (half duplex) • 20 Mbps (full duplex Packet Filtering / Forwarding Rates : 11.90 Mpps MAC Address Table : 4K entries per device Jumbo Frame Size : 9,720 bytes RAM Buffer : 512 Kb PoE Standards : IEEEE 802.3af, IEEEE 802.3at PoE-Capable Ports: Ports 1 to 4 PoE Power Budget : 68 W (30 W max per PoE port) 1-year warranty	
17.	HD 720 P Web Camera, 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 RightSound™ technology Hi-Speed USB 2.0 certified Universal clip fits laptops, LCD or CRT monitors RightLight™ 2 technology Video and photo capture Works with most instant messaging applications at least 1 year warranty	
18.	HDMI Cable, 1.5 meter Projection Technology: RGB liquid crystal shutter projection system Brightness: White Light Output (Normal/Eco): 3,600lm / 2,235lm Colour Light Output: 3,600lm USB Interface: USB Type A: 1 (for USB Memory, USB Document Camera, Firmware Update) USB Type B: 1 (for USB Display, Mouse, K/B, Control, Firmware Update) Analog Input: D-Sub 15pin: 1 (Blue molding) Composite: RCA x 1 (Yellow) Digital Input: 2 (1 supports MHL) Audio Input: 2 RCA (White / Red): 1	

	Wireless: in-built Contrast Ratio: 15,000:1 Screen Size (Projected Distance): Standard Size: 60" screen 1.8 - 2.17 m Zoom : Wide: 30" - 300" [0.87 - 9.02 m] Zoom : Tele: 30" - 300" [1.07 - 10.98m] Geometric Correction: Vertical/Horizontal Keystone: ±30° / ±30° Auto Keystone: Yes (Vertical only) Horizontal Slide Keystone Correction: Yes Quick Corner: Yes Sound Output: 2W Mono Wireless LAN Security: WPA2-PSK(AES) Supported Connection Mode: Wi-Fi Direct LCD: Size: 0.67" (D10) Native Resolution: WUXGA at least 1 year warranty"	
19.	HDMI Cable (10 meters), Color: Black Interface Type: Standard HDMI Interface Process: Gold-plated Resolution: 4K 60 Hz – 1080vP 60 Hz Conductor Material: Pure Copper Jacket: PVC Head: Two-color PVC injection Cable Length: 15 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminium foil mylar+Metal Braied AWG: 30AWG" Warranty at least 1 year warranty	
20.	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: 15 meters Cable OD: 8.0mm/9.5mm Shielding: Aluminium foil mylar+Metal Braied AWG: 30 AWG at least 1 year warranty	
21.	HDMI to SDI 6 G Mini Converter, SDI Video Outputs 2 x SDI Video Outputs. Automatically matches the SD, HD and 6G-SDI HDMI video input. HDMI Video Inputs : HDMI type A in Analog Audio Inputs : 2 channels of professional balanced analog audio with standard 1/4 inch jack connections. Digital Audio Inputs :4 channels of AES/EBU digital audio. Multi Rate Support : Auto detection of SD, HD or 6G-SDI. Updates and Configuration : USB Reclocking : Yes Standards :SD Video Standards 625i25 PAL, 525i29.97 NTSC HD Video Standards : 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60 Ultra HD Video Standards :2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30 4K Video Standards : 4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p SDI Compliance : SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M, SMPTE 425M Level A or Level B, SMPTE ST-2081, ITU-R BT.656 and ITU-R BT.601. SDI Video Rates : SDI video connections are switchable between SD, HD, Ultra HD and DCI 4K. SDI Video Sampling : 4:2:2 SDI Audio Sampling : Television standard sample rate of 48 kHz and 24 bit. SDI Color Precision : 4:2:2 SDI Color Space : YUV SDI Auto Switching :Automatically detects SD, HD or 6G-SDI. HDMI Video Standards : 625i25 PAL, 525i29.97 NTSC, 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60, 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30 HDMI Color Space : YUV and RGB HDMI Color Precision :4:2:2 and 4:4:4 Format Conversion : HD down conversion Software :Software Control Mac OS and Windows software upgrade via USB. Internal Software Upgrade Via included updater application. at least 1 year warranty	
22.	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 1 year warranty	
23.	Indoor/Outdoor Wireless Access Point, Standards : Wi-Fi 6 IEEE 802.11ax/ac/n/a 5 GHz IEEE 802.11ax/n/b/g 2.4 GHz WiFi Speeds : AX6000 5 GHz: 4804 Mbps (802.11ax, HE160) 2.4 GHz: 1148 Mbps (802.11ax) 8× Fixed High-Performance Antennas Multiple antennas form a signal-boosting array to cover more directions and large areas Beamforming : Concentrates wireless signal strength towards clients to expand WiFi range High-Power FEM, Improves transmission power to strengthen signal coverage, 4T4R Multiple streams in the same band strengthen the fault tolerance in transmission WiFi Capacity : Very High Dual-Band , Allocate devices to different bands for optimal performance, 4×4 MU-MIMO Simultaneously communicates with multiple MU-MIMO clients OFDMA, Simultaneously communicates with multiple Wi-Fi 6 clients 1 year warranty	
24.	Integrated Mount Tester, Features · Supports HDCVI, AHD, HDTVI and CVBS digital surveillance system. · PoE or 12 VDC power supply. · Support Onvif protocol to configure IP address..Audio/RS-485 control .· Digital multimeter function.· TDR network cable test. · Wi-Fi signals test. Specifications Operation mode : TouchscreenDisplay Screen : 7-in 16.7M color TFT touch screen, RGB interface lcd display: 1920 ×1200, backlight brightness adjustable Wi-Fi : Frequency: 2.4G/5GProtocol: IEEE 802.11a/n/ac UTC : Switches from CVBS mode to CVI/TVI/AHD mode; Switches from one HD format (up to 1080p) to another HD format DC Voltage : Limit: 2/20/200/600 VReading range: ±19999 AC Voltage : Limit: 20/200/600 VReading range: ±1999 DC Current : Limit: 20/200/2000 mA Reading range: ±19999 AC Current : Limit: 20/200/2000 mA Reading range: ±1999 Resistance Test : Limit: 2 kΩ/20 kΩ/200 kΩ/2 mΩ/20 mΩ Reading range: 0–19999 Capacitance Test : Limit: 2 nF/20 nF/200 nF/2 uF/20 uF/200 uF/2 mF/20 mFReading range: 0–1999 Diode Voltage Drop : Limit: 2 V Reading range: 0–19999 Continuity Test : Limit: 2 kΩ Reading range: 0–19999 RS-485 Control : Communication protocol: More than 30 protocols including Pelco–D/P, Samsung, Panasonic, Lilin, and Yaan Baud Rate: 150 bps, 300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600bps, 19200 bps Wireless : Spectrum Test; Wi-Fi Test; Signal Monitoring Cable Test : Network Cable Test: Test network cable pair length, attenuation and delay deviation. Test two or more network cables. The connection sequence and network cable number will be C286displayed on the screen HDMI Test : 1-ch HDMI video input (720p and 1080p); 1-ch HDMI video output (1920 ×1080p) Audio Test : 1 × audio input, and 1 audio output Power Supply for Camera : 12 VDC 2A Protocol Code Acquisition : Built–in serial port tool, can receive and display RS485 protocol code data sent by control device, and can also send hexadecimal codes IPC Test Camera Access : ONVIF and private protocol Function Control : Modify the IPC resolution, IP address and account password. Control IPC to restore factory defaults Analog Video Test	

	: Yes Video Format : HDCVI; HDTVI; AHD; CVBS (NTSC, PAL)Ports : 1 × charge port, 12 VDC 1 × power output port, 12VDC 2A 1 × audio input port, 1 × audio output port 1 × type–A port, 1 × slave port 2 × RJ45 10M/100M/1G network port 1 × HDMI input port 1 × HDMI output port 1 x RS-485 1x OPM 1 x Multimeter with bag and needed accessories at least 1 year warranty	
25.	M.2 PCIE NVME SSD, Gen 3.0, x4 Type-2280 High Performance Solid State Drive 250GB, read speeds of up to 3500 MB/s, sequential write speeds of up to 3300 MB/s, Warranty : 1 year warranty	
26.	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/ Operating System Compatibility: Mac OS X 10.6.8 or later Windows XP / Vista / 7 / 8 / 8.1 / 10 Windows Server 2003 / 2008 / 2012 / 2016 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 w/ Maintenance Box 4 years warranty or 50,000 prints, whichever comes first. On-site repair by an authorized technician by the manufacturer.	
27.	Mouse, Computer Mouse (USB) Buttons: 3; Connectivity: USB; Tracking: Optical; DPI Resolution: 800; Cable Length: 180 cm; at least 1 year warranty;	
28.	Multifunction Coloured Ink Tank Printer, Printer Type: Print, Scan, Copy, Fax with ADF Print Method: On-demand inkjet (Piezoelectric) Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow) Maximum Resolution: 5760 x 1440 dpi Print Speed: Photo Default - 10 x 15 cm / 4 x 6 " *1: Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless)*2 Draft, A4 (Black / Colour): Up to 33 ppm / 15 ppm*2 ISO 24734, A4 Simplex (Black / Colour): Up to 10 ipm / 5.0 ipm*2 First Page Out Time from Ready Mode (Black / Colour): Approx. 10 sec / 16 sec*2 Maximum Copy Resolution: 600 x 600 dpi Maximum Copy Size: Legal ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.7 ipm / 3.8 ipm Scanner Type: Flatbed colour image scanner Sensor Type: CIS Optical Resolution: 1200 x 2400 dpi Maximum Scan Area: 216 x 297 mm 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 / ADF (Simplex)): 200dpi, Black: 12 sec / Up to 4.5 ipm 200dpi, Colour: 29 sec / Up to 4.5 ipm ADF Specifications: Paper Capacity: 30 pages (A4), 10 pages (Legal) Standard Paper Input Capacity: Up to 100 sheets of Plain paper (80 g/m2) Up to 20 sheets of Premium Glossy Photo Paper Output Capacity: Up to 30 sheets of Plain Paper (80 g/m2) Up to 20 sheets Premium Glossy Photo Maximum Paper Size: 215.9 x 1200 mm Paper Size: Legal (8.5 x 14"), 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), 5 x 7", 5 x 8", 4 x 6", Envelopes: #10, DL, C6 Print Margin: 0 mm top, left, right, bottom via custom settings in printer driver *3 USB 2.0 Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct Warranty : at least 1 year warranty	
29.	Network Attached Storage with 4 TB HDD, with 4TB Hard Drive	
30.	Photo Printer, Print Method: On-demand inkjet Maximum Print Resolution: 5760 x 1440 dpi Minimum Ink Droplet Volume: 1.5pl Automatic Duplex Printing: No Print Direction: Bi-directional printing, Uni-directional printing Nozzle Configuration: 90 per colour (Cyan, Light Cyan, Magenta, Light Magenta, Yellow, Black)Print Speed: Up to 15ppm / 15ppm Paper Sizes: A3+, A3, B4, A4, A5, A6, B5, 10x15cm (4x6"), 13x18cm (5x7"), 16:9 wide size, Letter (8.5x11"), Legal (8.5x14"), Half Letter (5.5x8.5"), 9x13cm (3.5x5"), 13x20cm(5x8"), 20x25cm(8x10"), Envelopes: #10(4.125x9.5") DL(110x220mm), C4 (229x324mm), C6(114x162mm) at least 1 year warranty	
31.	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 at least 1 year warranty	
32.	Presenter, Laser Class: Class 2 laser Max output: Less than 1m W Wave Length: 522～542 nm (green light) Battery type: 2 AAA batteries Battery life (Laser pointer): 20-hour maximum Battery life (Presenter): 1050-hour maximum Wireless technology: 2.4 GHz wireless technology Operating distance: Approx 30 m LCD Display : Yes for time Tracking 3 years local supplier warranty	
33.	Printer, Printer Type: Print, Printing Technology: Piezoelectric Printhead, Nozzle Configuration:180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow). Minimum Ink Droplet Size:3.0 pl Interface: USB. Warranty: 1 year warranty	
34.	Professional Monitor Headphones, Type : Closed-back dynamic Driver Diameter :40 mm Frequency Response :15 - 24,000 Hz Maximum Input Power :1,600 mW at 1 kHz Sensitivity :98 dB Impedance : 35 ohms Cable :Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0m (9.8') straight cable Cable - Detachable Yes Magnet : Neodymium Voice Coil :CCAW (Copper-clad aluminum wire) Folding/collapsible :Yes Accessories Included :Protective carrying pouch, 6.3 mm (1/4") screw-on adapter at least 1 year warranty	
35.	Projector W/ Presenter Bundle, Projection Technology RGB liquid crystal shutter projection system White Light Output (Normal/Eco): 3,300lm / 2,050lm Colour Light Output: 3,300lm LCD "Size: 0.55" (D7) Native Resolution: SVGA" Lamp "Type: 210W UHE Life (Normal / Eco)*1: 6,000 hours / 10,000 hours" Connectivity "USB Interface: USB Type A: 1 (for USB Memory, USB Document Camera, for Wireless LAN Unit, Firmware Update) USB Type B: 1 (for USB Display, Mouse, K/B, Control, Firmware Update) Analog Input: D-Sub 15pin: 1 (Blue molding) Composite: RCA x 1 (Yellow)"	

	Contrast Ratio 15,000:1 Screen Size "Standard Size: 60" screen 1.77 - 2.4 m Zoom : Wide: 30" - 350" [0.88 - 10.44 m] Zoom : Tele: 23" - 260" [0.88 - 10.44 m]" Vertical/Horizontal Keystone ±30° / ±30° Auto Keystone Yes (Vertical only) Dimensions (+/- 10%) (W x H x D) 302 x 77 x 234 mm Inclusions Presenter & Tripod Screen Warranty: at least 1 year 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 at least 1 year warranty	
36.	Voice Recorder Built-in Memory: 4 Gb Built-in Microphone: Stereo (S-Mic) Recording Format: Linear PCM/MP3 Recording: "Scene Select:Yes, Low-cut, Filter: Yes, VOR: Yes, Sync Recording, Function: Yes, Recording Monitor: Yes" Playback & Edit: "Digital Pitch Control (Speed Control): Yes, Noise Cut: Yes (Clear Voice), Graphic Equalizer: Yes, A-B Repeat: Yes, Easy Search:Yes, Track Mark: Yes, Erase: Yes, Protect: Yes, Divide: Yes, Move File: Yes, File Copy: Yes, Folder Name Change (without using PC): Yes" Dimensions (H x W) (+/- 10%): 3.99 x 1.44 inches 1 year warranty	
37.	SINGLE FUNCTION LASER PRINTER, Print Speed Black Normal: Up to 22 ppm First Page Out Black: As fast as 7.3 sec Print Quality Black (Best) Up to 600 x 600 dpi, FastRes 1200 (1200 dpi quality) Duty Cycle (Monthly, A4) Up to 10,000 pages Print Technology Laser Processor Speed 600 MHz Connectivity, standard "1 Hi-Speed USB 2.0 Wireless" Paper handling input, standard 150-sheet input tray, 10-sheet priority tray Paper handling output, standard 100-sheet output tray Dimensions (+/- 10%) Maximum: 364.7 x 466.6 x 332.4 mm 1 year warranty	
38.	Smart Switch, Gigabit Stackable Smart Managed Switch with 10G Uplinks Switch	
39.	Splitter, HDMI Splitter	
40.	SSD 500 GB 2.5 INCH, Interface : SATA 6.0 Gb/s Capacity : 500GB Sequential Read Speed : Up to 550 MB/s Sequential Write Speed : Up to 520 MB/s Cache Memory : 512 MB Low Power DDR4 SDRAM NAND Type : V-NAND 3bit MLC 1-year warranty	
41.	SSD, Gen 3.0, x4 Type-2280 High Performance Solid State Drive 250GB, read speeds of up to 3500 MB/s, sequential write speeds of up to 3300 MB/s	
42.	Uninterrupted Power Supply, Line Interactive UPS With Automatic Voltage Regulation (AVR), UPS can ride through under & over voltage without utilizing battery Rely on batteries anytime : UPS can start up on batteries without mains (Cold Start) UPS is equipped with data line surge protection (internet/fax) to avoid back door damages coming through phone lines Ease of connection to any equipment (PC, HD TV, internet gateway) with universal outlets Interface LED On / Off button IEC C14 (Input cord is provided) Data Line Protection (4) Universal outlets Rating (VA/W) : 1200VA/600W Format : Tower Technology : Line interactive	

	Input voltage ranges without using batteries : 160V - 290V Output voltage : 230V Output frequency : Auto sensing, 50Hz default Data line surge protection (internet/tel/fax) : Yes Input : IEC C14 (Input cord IEC C13 - BS1363 is provided) Outputs : (4) Universal Outlets Communication Ports : USB Software : Winpower 2 years Local Supplier Warranty w/ 1pc of universal socket adapter"	
43.	UPS Battery, Rating :12 Volts, 7AH -Valve Regulated Lead Acid (VRLA) Battery replacement for UPS	
44.	UTP Cable - CAT 5E (Blue), Conductors/ insulators: 24 AWG solid copper insulated with HDPE Flame rating: 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: Flame-retardant PVC	
45.	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	
46.	VGA Cable, 5 meters High Quality VGA Cable Common Cable for Computer Monitor or LED Monitor Display High quality Cable with Blue Ends Cable ends screw in to ensure a strong connection. Feature: Male-to-male VGA video for your monitor Connects PC or laptop to the projector, LCD monitor, DVR/ and other video display system through VGA connections"	
47.	Voice Recorder with 64 GB Micro SD, 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: Type : microSDHC Memory Card Interface : UHS-I, compatible to HS interface Class : Grade 1, Class 10 Capacity : 64GB Sequential Read Speed : Up to 80Mb/s Sequential Write Speed : Up to 20 Mb/s Read : up to 80MB/s with UHS-1 interface Write : up to 20MB/s with UHS-1 interface	

| | - Water proof, Memory Cards can survive up to 72 hours in seawater - Temperature Proof, These memory cards can endure temperatures from -25° to 85° Celsius.
at least 1 year 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]

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 _____

[*Bidder's Letterhead*]

[*Date*]

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

SCHEDULE OF PRICES

Item No.	Description	Qty.	Unit	Unit Price	Total Price
1.	Automatic Voltage Regulator	2	pc		
2.	Bi-Directional	7	pc		
3.	Cheque Printer	1	pc		
4.	Colored Ink Tank Printer	5	pc		
5.	Computer Tablet	1	pc		
6.	DDR4 Memory for Desktop	21	pc		
7.	Desktop Computer Ram	15	pc		
8.	External Hard Disk Drive	4	pc		
9.	External Storage Drive	19	pc		
10.	Fiber Optic - F Clamp	200	pc		
11.	Fiber Optic (ODF/Patch Panel)	3	pc		
12.	Fiber Optic Cable	2	roll		
13.	Flash Drive	5	pc		
14.	Gigabit Switch - 16 Port Unmanaged Rackmount	5	pc		
15.	Gigabit Switch - 24 Port Unmanaged Rackmount	5	pc		
16.	Gigabit Switch - 8 Port Unmanaged	10	pc		
17.	HD 720p Web Camera	24	pc		
18.	HDMI CABLE (1.5 meter)	1	pc		
19.	HDMI Cable (10 meters)	13	pc		
20.	HDMI Cable (5 meters)	3	pc		
21.	HDMI to SDI 6G Mini Converter	1	pc		
22.	High Speed Scanner	13	pc		
23.	Indoor/Outdoor Wireless Access Point	21	pc		
24.	Integrated Mount Tester	2	set		
25.	M.2 PCIE NVME SSD	21	unit		
26.	Monochrome - Multifunction Inkjet Printer with Maintenance Box	31	pc		
27.	Mouse	13	pc		
28.	Multifunction Coloured Ink Tank Printer	2	pc		
29.	Network Attached Storage W/ 4tb Hdd	2	pc		
30.	Photo Printer	1	pc		
31.	Portable Label Printer	1	pc		
32.	Presenter	3	pc		
33.	Printer	2	pc		
34.	Professional Monitor Headphones	6	pc		
35.	Projector W/ Presenter Bundle	15	pc		
36.	Recorder	3	pc		
37.	Single Function Laser Printer	8	pc		
38.	Smart Switch	7	pc		
39.	Splitter	4	pc		
40.	SSD 500 GB 2.5 Inch	22	pc		
41.	SSD	10	pc		

42.	Uninterrupted Power Supply	64	pc		
43.	UPS Battery	40	pc		
44.	UTP Cable - CAT 5E (BLUE)	20	box		
45.	UTP Cable - CAT 6 (BLUE)	15	box		
46.	VGA Cable	6	pc		
47.	Voice Recorder with 64 GB Micro SD	4	pc		
			Total Bid Price		

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