

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

Procurement of ICT Equipment for the University (APP 2021)

With an Approved Budget for the Contract (ABC) of Nineteen Million Forty-One Thousand Eight Hundred Twenty Pesos (₱ 19,041,820.00)

Invitation to Bid No. 2020-026

July 2020 6th Edition

TABLE OF CONTENTS

Glossary of Acronyms, Terms, and Abbreviations	1
Section I. Invitation to Bid	4
Section II. Instructions to Bidders	6
1. Scope of Bid	6
2. Funding Information	6
3. Bidding Requirements	6
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices	6
5. Eligible Bidders	6
6. Origin of Goods	7
7. Subcontracts	7
8. Pre-Bid Conference	7
9. Clarification and Amendment of Bidding Documents	7
10. Documents Comprising the Bid: Eligibility and Technical Components	7
11. Documents Comprising the Bid: Financial Component	7
12. Bid Prices	8
13. Bid and Payment Currencies	8
14. Bid Security	8
15. Sealing and Marking of Bids	8
16. Deadline for Submission of Bids	9
17. Opening and Preliminary Examination of Bids	9
18. Domestic Preference	9
19. Detailed Evaluation and Comparison of Bids	9
20. Post Qualification	10
21. Signing of the Contract	10
Section III. Bid Data Sheet	11
Section IV. General Conditions of Contract	12
1. Scope of Contract	12
2. Advance Payment and Terms of Payment	12
3. Performance Security	12
4. Inspection and Tests	12
5. Warranty	12
6. Liability of the Supplier	13
Section V. Special Conditions of Contract	14
Section VI. Schedule of Requirements	16
Section VII. Technical Specifications	17
Section VIII. Checklist of Technical and Financial Documents	35
Section IX. Bidding Forms	36

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

Procurement of ICT Equipment for the University (APP 2021)

Invitation to Bid No.2020-026

- The Tarlac State University, through the General Appropriations Act, 2021 intends to apply the sum of Nineteen Million Forty One Thousand Eight Hundred Twenty Pesos (₱ 19,041,820.00) being the Approved Budget for the Contract (ABC) to payments under the contract for the project: Procurement of ICT Equipment for the University (APP 2021). Bids received in excess of the ABC shall be automatically rejected at bid opening.
- 2. The Tarlac State University now invites bids for the project: **Procurement of ICT Equipment for the University (APP 2021)** of the Goods is required within **thirty (30) calendar** days from the receipt of the Notice to Proceed. Bidders must have completed, within the last five (5) years prior to the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.
- 3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

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

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

BAC Secretariat Gender and Development Building Tarlac State University Romulo Blvd., San Vicente, Tarlac City Tel. No. (045) 606-8142 Email: bacsec@tsu.edu.ph

5. A complete set of Bidding Documents may be acquired by interested Bidders on November 10 to December 1, 2020 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 ₱ 12,500.00.

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 November 18, 2020 (2:00 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 **December 1**, **2020** (2:00 P.M.). Late bids shall not be accepted.

BAC Secretariat Gender and Development Building Tarlac State University Romulo Blvd., San Vicente, Tarlac City Tel. No. (045) 606-8142 Email: **bacsec@tsu.edu.ph** / jajimenez@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 December 1, 2020, at 2:00 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 at the address below.
- 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. Jhoanne Ayen A. Jimenez BAC Secretariat Gender and Development Building Tarlac State University Romulo Blvd., San Vicente, Tarlac City Tel. No. (045) 606-8142 Email: <u>bacsec@tsu.edu.ph</u> / jajimenez@tsu.edu.ph

> ENGR. CONSOLACION S. LAGMAN BAC Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

- 1.1. The Tarlac State University wishes to receive Bids for the project: **Procurement of ICT Equipment for the University (APP 2021)**, with identification number **Invitation to Bid No. 2020-026**.
- 1.2. The procurement project (referred to herein as "Project"") is composed of one (1) lot with 45 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 2021 in the amount of ₱19,041,820.00
- 2.2. The source of funding is the National Expenditure Program.

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, or the Bidder must have at least two (2) completed contracts that are similar to the Project with a total value that is equivalent to fifty percent (50 %) of the ABC, and the value of the largest of the completed contracts must be at least equivalent to twenty five percent (25 %) 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, exshowroom, 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 **March 31, 2021**. 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 ₱ 380,836.40 (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 ₱ 952,091.00 (5% of ABC) if bid security is in Surety Bond.
19.3	No further instructions.
20.2	No further requirements.
21.2	No further requirements.

Section IV. General Conditions of Contract

1. Scope of Contract

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

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

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

2. Advance Payment and Terms of Payment

- 2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

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

4. Inspection and Tests

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

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

5. Warranty

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

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

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

Section VI. Schedule of Requirements

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

Section VII. Technical Specifications

Item No.	Description
1.	Office PC
	Processor: Intel [®] Core™ i3-9100 (4 Cores/6MB/4T/3.6GHz to 4.2GHz/65W);
	supports Windows 10/Linux
	OS: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS
	Media Kit CD Included)
	Memory: 8 GB, 2X4GB DDR4, 2666 MHz, ECC/Non-ECCSDRAM
	Hard Drive: 256GB SSD + 1TB HDD 7200 RPM
	Graphics: Integrated Intel [®] HD Graphics
	Ports:
	8 External USB Type-A: 4 x 3.1 (2 front/2 rear) and 4 x 2.0 (2 front/2 rear) 2 Internal USB 2.0
	1 RJ-45
	1 DisplayPort 1.2
	1 HDMI 1.4
	1 UAJ
	1 Line-out
	Display: at least 21.5" Wide Screen Monitor with LED Back Light (same brand as
	system unit and compatible to the unit's primary display output port)
	Peripherals: Keyboard, Optical scroll mouse (must be same brand with system
	unit)
	Form Factor: Small Form Factor
	UPS: Output Power Capacity: 550W / 1.1kVA, Nominal Output Voltage: 230V,
	Nominal Input Voltage: 230V, Battery type: Maintenance-free sealed Lead-Acid
	battery with suspended electrolyte : leakproof, Replacement Battery:
	Compatible Battery to the unit, Expected Battery Life (years): 2 - 4, Height: 21.5
	cm x Width: 13 cm x Depth: 33.6 cm, Warranty: 2 years local supplier warranty
	Warranty: 5 years on-site repair / warranty on all labor and parts by an
2.	authorized technical support. Basic Laboratory PC
2.	
	Processor: Intel [®] Core™ i5-9400, 6 Cores/9MB/6T/2.9GHz to 4.1GHz/65W
	OS: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS
	Media Kit CD Included)
	Memory: 8GB (2x4GB) 2666MHz DDR4 Memory
	Hard Drive: 512GB M.2 NVMe Class 35 Solid State Drive
	Graphics: NVIDIA [®] GeForce [®] GT 730
	Ports:
	8 External USB Type-A: 4 x 3.1 (2 front/2 rear) and 4 x 2.0 (2 front/2 rear)
	2 Internal USB 2.0
	1 RJ-45
	1 DisplayPort 1.2
	1 HDMI 1.4 1 UAJ
	1 UAJ 1 Line-out
	1 Optional Video Port (DisplayPort/HDMI 2.0/VGA) Display: at least 21.5" Wide Screen Monitor with LED Back Light (same brand as
	system unit and compatible to the unit's primary display output port)
	Peripherals: Keyboard, Optical scroll mouse (must be same brand with system
	unit)

	Form Factor: Small Form Factor
	UPS: Output Power Capacity: 325Watts / 650VA
	Nominal Output Voltage: 230V
	Nominal Input Voltage: 230V
	Battery type: Maintenance-free sealed Lead-Acid battery with suspended
	electrolyte, leakproof
	Replacement Battery: Compatible Battery to the unit
	Expected Battery Life (years): 2 - 4
	Height: 27.85 cm x Width: 16 cm x Depth: 8.85 cm
	Warranty: 2 years
	Warranty: 5 years on-site repair / warranty on all labor and parts by an
	authorized technical support.
3.	Desktop Computer for CAD Laboratory
	Processor: Intel Core™ i5 10400 6-Core™, 12MB Cache, 2.9Ghz to 4.3GHz
	OS: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS
	Media Kit CD Included)
	Memory: 16 GB, 2x8 GB, DDR4, 2666 MHz)
	Storage: 512GB NVMe Class 35 Solid State Drive
	Video Card: NVIDIA GeForce GTX 1660 Ti 6GB GDDR6
	Ports:
	Front:
	1 x USB 3.1 Type-C Gen 1,
	3 x USB 3.1 Gen 1 Ports,
	1 x Headset jack,
	Rear:
	4 x USB 3.1 Gen 1 ports,
	2 x USB 2.0 ports,
	1 x HDMI 1.4 4,
	1 x Display Port 1.2 4,
	1 x Gigabit Ethernet,
	1 x Audio ports (5.1 channel 3 Jack)
	Display: at least 21.5" Wide Screen Monitor with LED Back Light (same brand as
	system, compatible to the unit's primary display output port)
	Peripherals: Keyboard, Optical scroll mouse (must be same brand with system
	unit)
	UPS: Output Power Capacity: 550W / 1.1kVA, Nominal Output Voltage: 230V,
	Nominal Input Voltage: 230V, Battery type: Maintenance-free sealed Lead-Acid
	battery with suspended electrolyte : leakproof, Replacement Battery: Battery
	Compatible to the unit, Expected Battery Life (years): 2 - 4, Height: 21.5 cm x
	Width: 13 cm x Depth: 33.6 cm, Warranty: 2 years local supplier warranty,
	w/ 5 years on-site repair / warranty on all labor and parts by an authorized
	technical support.
4.	Office Laptop
	Processor: Intel [®] Core™ i3-1005G1 Processor
	OS: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS
	Media Kit CD Included)
	Memory: 8GB (8Gx1), DDR4, 2666MHz
	Hard Drive: 256GB M.2 PCIe NVMe Solid State Drive
	Graphics: Intel [®] UHD Graphics with shared graphics memory
	Ports:
	1 x SD Card Reader
	1 x USB 2.0
	1 x Optical Disk Drive (Available on select configurations)

	1 x Wedge-shaped lock slot
	1 x Power
	1 x USB Type C (available with discrete graphics only)
	1 x HDMI 1.4b
	1 x RJ45
	2 x USB 3.1 Gen 1
	1 x Headphone & Microphone Audio Jack
	Camera: Integrated widescreen HD (720p) Webcam with Single Digital
	Microphone
	Display: 15.6-inch FHD (1920 x 1080) Anti-Glare LED-Backlit Non-touch Display
	Warranty: 3 years on-site repair / warranty on all labor and parts by an
	authorized technical support.
	With essential accessories
5.	18.5" Computer Monitor
	Device Type: LED Backlit LCD Monitor
	Panel Type: TN
	Aspect Ratio: Widescreen - 16:9
	Native Resolution: 1366 x 768 @ 60Hz
	Pixel Pitch: 0.300mm
	Brightness: 200 cd/m2
	Contrast Ratio : 600:01:00
	Response Time: 5 ms (black-to-white)
	Color Support: 16.7 million colors
	Input Connectors: 1 x VGA, 1 x HDMI 1.4
	Cables Included: 1 x Power Cable, 1 x Power Adapter, 1 x VGA Cable, 1 x HDMI
	Cable
	Screen Coating: Anti-glare, 3H Hard Coating
	Position Adjustments: Tilt
	Warranty: 5 years on-site repair / warranty on all labor and parts by an
	authorized technical support.
6.	
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	Dienlay Types IED head lit ICD menitor / TET active metrix
	Display Type: LED-backlit LCD monitor / TFT active matrix
	Aspect Ratio: 16:9
	Panel Type: IPS
	Native Resolution: Full HD (1080p) 1920 x 1080 at 60 Hz
	Color Support: 16.7 million colors
	Response Time: 8 ms (normal); 5 ms (fast)
	Backlight Technology: LED edgelight system
	Connectivity:
	1 x DisplayPort version 1.2
	1 x HDMI port version 1.4
	1 x VGA port
7.	•
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	Projector
	Projector
	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
	Warranty: at least 1 year
8.	Projector with Presenter Bundle and Tripod White screen
	Projector
	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): 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
	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
	White screen
	Features:
	• Ultra bright screen surface without bellows
	Wrinkle free
	• Thicker surface for lifetime usage
	Surface doesn't change color in time
	Worry-free mechanism
	•
	• Strong supports stand for windproof performance"
	Dimensions (+/- 10%) H x W: 70" x 70"
	Fabric: Matte White
	Warranty: at least 1 year
9.	Wireless Portable Projector with Presenter Bundle
	Projector
	Projection Technology RGB liquid crystal shutter projection system
	White Light Output (Normal):3,200lm
	Colour Light Output (Normal / Eco): 3,200lm / 1,900lm
	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)
	Network: Wireless LAN; In-built
	Analog Input:
	D-Sub 15pin: 1 (Blue molding)
	Composite: RCA x 1
	Contrast Ratio 10,000:1
	Screen Size "Standard Size:
	60" screen 1.35 - 1.62m
	Zoom: Wide:
	30" - 300" (0.67 - 6.81m)
	Zoom: Tele:
	30" - 300" (0.80 - 8.18m)
	Dimensions (+/- 10%) (W x H x D): 292mm x 44mm x 213mm
	Inclusion: Presenter
	Warranty: at least 1 year
	Presenter
	Laser Class Class 2 Laser
	Max Output Less than 1mW
	Wireless technology 2.4 GHz wireless technology
	Battery type 2 AAA batteries
	Dimensions (+/- 10%) H x W x D: 37.8 mm x 115.5 mm x 27.4 mm
	Warranty: at least 1 year
10.	Short Throw Interactive Projector
	Brightness: White Light Output (Normal / Extended):
	4000 lm / 2800 lm

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	Colour Light Output (Normal / Extended):
	4000 lm / 2800 lm
	Connectivity: Network:
	Wired LAN: RJ45 x 1 (100 Mbps)
	Wireless: Yes
	Analog Input:
	D-Sub 15Pin: 1 (Blue)
	Composite: RCA x 1
	Digital Input:
	HDMI: 3
	Contrast Ratio: Over 2,500,000:1
	Screen Size (Projected Distance) : Standard Size:
	90" screen
	Zoom: Wide:
	70" to 130"
	Zoom: Tele:
	70" to 130"
	Sound Output: 16W Mono x 1
	LCD: Size: 0.67" (D10)
	Native Resolution: WUXGA
	Light source Type: Laser Diode
	Life (Normal / Extended): 20,000 / 30,000 hours
	Lamp: Type: 250W UHE
	Warranty: at least 2 years
11.	Video Conferencing Equipment
	Main Camera: Ultra-HD imaging system supports:
	4 K, 1440 p, 1080 p, 900 p, 720 p, and SD at 30 fps
	1080 p, 720 p at 30 fps and 60 fps
	Smooth motorized pan, tilt and zoom
	Pan: ±90°
	Tilt: +50° / -90°
	15x HD zoom
	Field of View:
	Diagonal: 90°
	Horizontal: 82.1°
	Vertical: 52.2
	Autofocus
	3 camera presets
	Kensington security slot
	Video mute/unmute LED indicator
	Standard tripod thread
	Lens parks at -90° in sleep mode for assured privacy
	Mic Pod: Pickup range: 4.5 m diameter
	Four omnidirectional microphones forming eight acoustic beams
	AEC (Acoustic Echo Cancellation)
	VAD (Voice Activity Detector)
	Background noise suppression
	Mute button with LED status indicator
	Captive 2.95 m 12-pin cable
	Daisy chain up to 7 Rally Mic Pods
	Frequency response: 90 Hz $-$ 16 kHz
	Sensitivity: >-27 dB +/-1 dB @ 1 Pa
	Microphone data rate: 48 kHz
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	Speaker: High-performance 76 mm driver with rare-earth magnet
	Patent-pending suspension system eliminates vibration-induced camera shake
	and audio interference
	Mini XLR cable connects to Rally Display Hub for both signal and power
	Speaker volume 95 dB SPL @1 W, 100 dB SPL @7.5 W, both +/-2 dB at ½ meter
	Sensitivity: 95+/-2 dB SPL at ½ meter
	Distortion: 200 Hz–300 Hz < 2.5%, 300 Hz–10 kHz < 1%@7.5 W
	Speaker sampling rate: 48 kHz
	Table Hub:
	Single CAT6A cable connection to Rally Display Hub (5 m cable included,
	supports customer-supplied cables up to 50 m)
	Active speaker detection: analyzes audio from up to 7 Mic Pods and 56 beams
	every 8ms
	12 Pin connector for Rally Mic Pod
	HDMI Type A passthrough to Display Hub (x2)
	USB Type C
	USB Type A (reserved for future capability)
	USB Type B (connects to meeting room computer)
	RJ45 (reserved for future capability)
	Power input
	Display Hub:
	HDMI Type A (x2) (connects to displays)
	USB C (connects to Rally Camera)
	USB Type B (connects to meeting room computer)
	RJ45 (connects to Table Hub)
	Mini XLR (x2)
	Powers one or two Rally Speakers
	Power input
12.	Monochrome - Multifunction Inkjet Printer
	Print Method: On-demand inkjet (Piezoelectric)
	Minimum Ink Droplet Volume: 3pl
	Control Panel: 2Line LCD
	Print Direction: Bi-directional printing, Uni-directional printing
	Nozzle Configuration: 360 nozzles Black
	Maximum Resolution: 1440 dpi x 720 dpi (with Variable-Sized Droplet
	Technology)
	Print Speed: Draft, A4 (Black / Colour): Approx. 34 ppm (Black draft)
	Copy Speed: Draft, A4 (Black / Colour): Approx. 34 ppm (Black draft)
	Scanner Type: Flatbed colour image scanner
	Sensor Type: CIS
	Optical Resolution: 1200 dpi x 2400 dpi
	Paper Feed Method: Friction Feed
	Connectivity: Standard: USB 2.0
	Ethernet: 100BASE-TX / 10BASE-T
	Dimensions (+/- 10%) 435 x 377 x 226 mm
	Warranty: 1 year
13.	Single Function Laser Printer
	Print Speed Black: Normal: Up to 20 ppm
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	First Page Out: Black: As fast as 8.3 sec

	Print Technology: Laser
	Processor Speed: 400 MHz
	Connectivity, standard: 1 Hi-Speed USB 2.0
	Paper handling input, standard: 150-sheet input tray, 10-sheet priority tray
	Paper handling output, standard: 100-sheet output tray
	Approx. Dimensions (+/- 10%): Maximum: 331 x 215 x 178 mm
	Warranty: 3 years on-site repair/warranty on all labor and parts by an
	authorized technical support or on-site exchange service.
14.	Multifunction Laser Printer
	Functions: Print, copy, scan
	Printing Specifications: Print speed black: : Normal: Up to 28 ppm
	First page out (ready): Black: As fast as 6.4 sec
	Duty cycle (monthly, A4): Up to 30,000 pages
	Recommended monthly page volume: 250 to 2500
	Print technology: Laser
	Print quality black (best): Up to 600 x 600 dpi
	Print Resolution Technologies: HP FastRes 1200, HP ProRes 1200
	Print languages: PCL5c; PCL6; PS; PCLmS; PDF; URF; PWG
	Display: 2-line LCD
	Connectivity: 1 Hi-Speed USB 2.0; 1 Ethernet 10/100Base-TX
	Memory: Standard: 256 MB; Maximum: 256 MB
	Paper Handling:
	Paper handling input: 250-sheet input tray, 10-sheet priority tray,
	Paper handling output: 150-sheet output tray
	Duplex printing: Automatic (standard)
	Media types: Paper (laser, plain, photo, rough, vellum), envelopes, labels,
	cardstock, postcards
	Dimensions (+/- 10%): 403 x 407.4 x 311.5 mm
	Warranty: 3 years on-site repair/warranty on all labor and parts by an
	authorized technical support or on-site exchange service.
15.	Colored Ink Tank Printer with ADF
	Printer Type: Print, Scan, Copy with ADF
	Minimum Ink Droplet Volume: 3.3 pl
	Control Panel: 2.4 " Colour LCD
	Print Direction: Bi-directional printing, Uni-directional printing
	Nozzle Configuration: 400 nozzles Black, 128 nozzles per colour
	Maximum Resolution: 4800 x 1200 dpi (with Variable-Sized Droplet
	Technology)
	017
	Print Speed: Draft, A4 (Black / Colour): Up to 33 ppm / 20 ppm
	Copy Speed: ISO 29183, A4 Simplex Flatbed (Black / Colour):
	Up to 11 ipm / 5.5 ipm
	Scanner Type: Flatbed colour image scanner
	Sensor Type: CIS
	Optical Resolution: 1200 dpi x 2400 dpi
	Paper Feed Method: Friction Feed
	Connectivity: Standard: USB 2.0
	Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct
	Dimensions (+/- 10%): 375 x 347 x 231 mm
	Warranty: 1 year
16.	A3 WiFi Duplex Colored Multifunction Inkjet Printer
	Minimum Ink Droplet Volume: 2.8 pl
	Control Panel: 4.3 " TFT Colour LCD
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	Print Direction: Bi-directional printing, Uni-directional printing
	Nozzle Configuration: 400 x 2 nozzles Black, 128 x 2 nozzles per colour (Cyan,
	Magenta, Yellow)
	Maximum Resolution: 4,800 x 2,400 dpi (with Variable-Sized Droplet
	Technology)
	Print Speed: Draft, A4 (Black / Colour): Up to 32 ppm / 20 ppm
	Copy Speed: ISO 29183, A4, Simplex (Black / Colour): Up to 16 ipm / 8.8 ipm
	Scanner Type: Flatbed colour image scanner
	Sensor Type: CIS
	Optical Resolution: 1200 x 2400 dpi
	Paper Feed Method: Friction feed
	Connectivity: USB: Hi-Speed USB 2.0
	Network: Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct"
	Dimensions (+/- 10%) (W x D x H): 666 x 486 x 418 mm
	Warranty: 1 year
17.	A3+ Ink Tank Printer
	Printer Type: Print
	Print Method: On-demand inkjet (Piezoelectric)
	Minimum Ink Droplet Volume: 1.5 pl
	Print Direction: Bi-directional printing, Uni-directional printing
	Nozzle Configuration: 90 per colour (Cyan, Light Cyan, Magenta, Light Magenta,
	Yellow, Black)
	Maximum Resolution: 5760 x 1,440 dpi
	Print Speed
	Draft, A4 (Black / Colour): Up to 15 ppm / 15 ppm
	Standard Paper Input Capacity:
	Up to 100 sheets, A4 Plain paper (75g/m2)
	Up to 30 sheets, Premium Glossy Photo Paper
	Output Capacity:
	Up to 50 sheets, A4 Plain paper
	Up to 20 sheets, Premium Glossy Photo Paper
	Maximum Paper Size:
	12.95 x 44"
	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)
	Paper Feed Method: Friction feed
	Warranty: 1 year
18.	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: 200 dpi: 26 ppm / 52 ipm (Monochrome, Colour)
	300 dpi: 26 ppm / 52 ipm (Monochrome, Colour)
	600 dpi: 21 ppm / 42 ipm (Monochrome), 7.0 ppm / 14 ipm (Colour)"
	ADF Capacity: 50 sheets (80g/m2)
	Daily Duty Cycle: up to 3,000 sheets / day

Interface: USB 2.0 Warranty: 1 year 19. Portable External Hard Drive Capacity: 1TB storage capacity Interface: USB 3.0 interface plug-and-play Data Transfer: 640 MBps (5 GBps) Dimensions (L X W X H): 114.8 mm x 78 mm x 11.7 mm Warranty: 3 Years Local Supplier Warranty	
 19. Portable External Hard Drive Capacity: 1TB storage capacity Interface: USB 3.0 interface plug-and-play Data Transfer: 640 MBps (5 GBps) Dimensions (L X W X H): 114.8 mm x 78 mm x 11.7 mm 	
Capacity: 1TB storage capacity Interface: USB 3.0 interface plug-and-play Data Transfer: 640 MBps (5 GBps) Dimensions (L X W X H): 114.8 mm x 78 mm x 11.7 mm	
Interface: USB 3.0 interface plug-and-play Data Transfer: 640 MBps (5 GBps) Dimensions (L X W X H): 114.8 mm x 78 mm x 11.7 mm	
Interface: USB 3.0 interface plug-and-play Data Transfer: 640 MBps (5 GBps) Dimensions (L X W X H): 114.8 mm x 78 mm x 11.7 mm	
Data Transfer: 640 MBps (5 GBps) Dimensions (L X W X H): 114.8 mm x 78 mm x 11.7 mm	
Dimensions (L X W X H): 114.8 mm x 78 mm x 11.7 mm	
Warranty: 3 Years Local Supplier Warranty	
20. Solid State Drive 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	
Warranty: 1 year	
21. HD 720P Web Camera	
Max Resolution: 720p/30fps	
Focus type: fixed focus	
Lens technology: standard	
Built-in mic: mono	
FoV : 60°	
Features	
3-megapixel pics (software enhanced)	
With Auto Light Correction	
With Built-in mic with noise cancellation	
Cable length: 1.5 m	
Warranty : at least 1 year 22. Headphone with Mic	
22. Headphone with Mic	
Speaker Driver Size: 32 mm	
Speaker Frequency Response: 20Hz - 20kHz	
Microphone Frequency Response: 100Hz - 10kHz	
High Definition 24-bit stereo: 48kHz sampling rate	
Headset Controls: Answer/end call	
Volume buttons	
Mute microphone button	
Cable Length: 2 meters	,
 The noise-canceling microphone works with DSP to block low-frequency pairs 	/
noise.	
•24-bit high fidelity stereo output.	
•Speaker Driver size: 32mm.	
Warranty: at least 1 year	
23. Rechargeable Mouse for Apple Laptops	
General Multi-Touch	
Connections and Expansion: Bluetooth, Lightning port, Wireless	
Dimensions (+/- 10%): Height: 0.85 inch (2.16 cm), Width: 2.25 inches (5.7	′1 cm)
Depth: 4.47 inches (11.35 cm)"	
Warranty: at least 1 year	
24. HDMI Cable, 5 meters	

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	Cable Type: Locking HDMI
	Connector A Gender: Male
	Connector A Type: HDMI
	Connector B Gender: Male
	Connector B Type: HDMI
	Length: 5 m
	Sheath Colour: Black
	Warranty: at least 1 year
25.	Gigabit Switch - 8 Port Unmanaged Rackmount
201	
	Number of Ports: Eight 10/100/1000 Mbps ports (ports 1-4 are PoE
	enabled)
	Standards: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast
	Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, ANSI/IEEE 802.3 NWay
	Auto-negotiation, IEEE 802.3x Flow Control, IEEE 802.1p QoS, IEEE 802.3az EEE"
	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)"
	Media Interface Exchange: Auto MDI/MDIX adjustment for all ports
	Transmission Method: Store and forward
	MAC Address Table: 4K Entries
	RAM Buffer: 512 KB
	Switching Capacity: 16 Gbps
	LEDs Per unit: Power / PoE Max
	Per port: Activity / Link and Speed
	Per PoE port: Power / Status"
	Dimensions (+/- 10%) (W x D x H): 7.5" x 4.7" x 1.5"(190 x 120 x 38 mm)
	Warranty: 1 year
26.	Gigabit Switch - 16 Port Unmanaged Rackmount
20.	
	Number of Portsu Sixtoon 10/100/1000 Ciscobit ports
	Number of Ports: Sixteen 10/100/1000 Gigabit ports
	Standards: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast
	Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, ANSI/IEEE 802.3 NWay
	auto-negotiation, IEEE 802.3x Flow Control
	Data Transfer Rates:
	Ethernet:
	 10 Mbps (half duplex)
	• 20 Mbps (full duplex)
	• Fast Ethernet:
	• 100 Mbps (half duplex)
	• 200 Mbps (full duplex)
	• Gigabit Ethernet:
	• 2000 Mbps (full duplex)"
	Features: IEEE 802.3az Energy Efficient Ethernet (EEE), Link status detection
	power saving, RoHS Compliance
	Media Interface Exchange: Auto MDI/MDIX
	Transmission Method: Store-and-Forward switching method
	MAC Address Table: 8K MAC addresses
	RAM Buffer: 512 KBytes RAM for data buffering
	· · · · · · · · · · · · · · · · · · ·

	Switching Capacity: 32 Gbps
	LEDs: Power LED, 16 Link/Activity/Speed LEDs (one per port)"
	Dimensions (+/- 10%) 11.02 x 4.92 x 1.73 inches (280 x 125 x 44 mm)
	Warranty: 1 year
27.	Gigabit Switch - 24 Port Unmanaged Rackmount
	Number of Ports Twenty-four 10/100/1000 Gigabit ports
	Standards "• IEEE 802.3 10BASE-T Ethernet
	• IEEE 802.3u 100BASE-TX Fast Ethernet
	IEEE 802.3ab 1000BASE-T Gigabit Ethernet
	ANSI/IEEE 802.3 NWay auto-negotiation
	• IEEE 802.3x Flow Control"
	Data Transfer Rates "• Ethernet:
	• 10 Mbps (half duplex)
	• 20 Mbps (full duplex)
	• Fast Ethernet:
	• 100 Mbps (half duplex)
	• 200 Mbps (full duplex)
	• Gigabit Ethernet:
	• 2000 Mbps (full duplex)"
	Features "• IEEE 802.3az Energy Efficient Ethernet (EEE)
	 Link status detection power saving
	RoHS Compliance"
	Media Interface Exchange Auto MDI/MDIX
	Transmission Method Store-and-Forward switching method
	MAC Address Table 8K MAC addresses
	RAM Buffer 512 KBytes RAM for data buffering
	Switching Capacity 48 Gbps
	LEDs "• Power LED
	• 24 Link/Activity/Speed LEDs (one per port)"
	Dimensions (+/- 10%) 11.02 x 7.09 x 1.73 inches (280 x 180 x 44 mm)
	Warranty: 1 year
28.	1U Ethernet Rackmount Router
	Architecture: ARM 32bit
	CPU: AL21400
	CPU core count: 4
	CPU nominal frequency: 1400 MHz
	License level: 6
	Operating System: RouterOS
	Size of RAM: 1 GB
	Storage size: 128 MB
	Storage type: NAND
	PoE in: 802.3af/at
	PoE in input Voltage: 20-57 V
	Number of AC inputs: 2
	Number of DC inputs: 2 (2-pin terminal, PoE-IN)
	2-pin terminal input Voltage: -48, 20-57 V
	Max power consumption: 33 W
	Max power consumption. 35 W Max power consumption without attachments: 25 W
	10/100/1000 Ethernet ports: 13
29.	Warranty: 1 year Wireless Dual Band Router
29.	
	Wi-Fi Technology: AC1900 MU-MIMO Dual-band Gigabit, 600+1300 Mbps
<u> </u>	

	Network Standards: 802.11b, 802.11a, 802.11n, 802.11ac ,802.11g
	Wi-Fi Speed: AC1900 (N600 + AC1300)
	Wi-Fi Bands: 2.4 and 5 GHz (simultaneous dual band)
	Number of Ethernet Ports: 1x Gigabit WAN port, 4x Gigabit LAN ports
	Other Ports: One (1) USB 3.0 port, One (1) USB 2.0 port, Power
	Antennas: 3x external
	Processor: Dual-Core
	LEDs: Internet, Ethernet (1-4), Logo, WPS
	Wireless Encryption: Wireless Encryption
	Operation Modes: Wireless Router, Access Point, Wired Bridge, Wireless Bridge
	Security Features: 64/128-bit WEP, WPA2-Personal, WPA2-Enterprise
	Dimensions (LxWxH) : 257 x 184 x 56 mm
	Warranty: 1-year
30.	AC3200 MU-MIMO Gigabit WiFi Router
	Wi-Fi Technology: AC3200 MU-MIMO Dual-band Gigabit, 600+2600 Mbps
	Network Standards: 802.11a, 802.11g, 802.11n, 802.11ac
	Wi-Fi Speed: AC3200 (N600 + AC2600)
	Wi-Fi Bands: 2.4 and 5 GHz (simultaneous dual band)
	Number of Ethernet Ports: 1x Gigabit WAN port, 4x Gigabit LAN ports
	Other Ports: One (1) USB 3.0 port, One (1) Combo eSATA/USB 2.0 port
	Power
	Antennas: 4x external, ual-band, detachable antennas
	Processor: 1.8Ghz Dual-Core
	LEDs: Power, Internet, 2.4 GHz, 5 GHz, eSATA, USB1 (USB 2.0), USB2 (USB 3.0),
	LAN 1–4 (activity/10/100 Mbps), LAN 1–4 (1 Gbps), WPS
	Wireless Encryption: WPA2 Personal, WPA2 Enterprise
	Operation Modes: Wireless Router
	Access Point
	Wired Bridge
	Wireless Bridge
	Wireless Repeater
	Security Features: WPA/WPA2
	128 bit AES link encryption
	Dimensions (L x W x H): 245.87 x 193.80 x 51.82 mm
	Warranty: 1-year
31.	Indoor / Outdoor Wireless Access Point
	Environment Indoor/Outdoor
	2.4 GHz Radio Rate 450 Mbps
	5 GHz Radio Rate 1300 Mbps
	2.4 GHz MIMO3x3
	5 GHz MIMO 3x3
	Simultaneous Dual-Band Yes
	Networking Interface (2) 10/100/1000 Ethernet Ports
	Port USB 2.0
	Buttons Reset
	Power Method: Passive Power over Ethernet (48V), 802.3af/802.3at Supported
	(Supported Voltage Range: 44 to 57VDC)"
	Antennas (3) Dual-Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi
	Wi-Fi Standards 802.11 a/b/g/n/r/k/v/a
	Wireless SecurityWEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)
	BSSID Up to 8 per Radio
	Dimensions (+/- 10%) 196.7 x 196.7 x 35 mm (7.74 x 7.74 x 1.38")
	Warranty: 1 year
L	

32.	16-port Managed POE+ Gigabit Switch w/ SFP, 2pcs SFP Modules included
	Networking Interfaces: (16) 10/100/1000 Mbps RJ45 Ethernet Ports
	(2) 1 Gbps SFP Ethernet Ports
	Management Interface: Ethernet In-Band
	Total Non-Blocking Throughput: 18 Gbps
	Switching Capacity: 36 Gbps
	Forwarding Rate: 26.78 Mpps
	MAC Address Table: 16384
	Maximum Aggregations: 6
	Monitoring Sessions: 1
	Maximum VLANs: 255
	Power Method: 100-240VAC/50-60 Hz, Universal Input Warrant: 1-year
33.	IP Phone
55.	MITEL IP420 (compatible to existing system and equipment)
	130 x2 8 pixels, backlit display
	Half-duplex speakerphone
	Audio Controls
	LED Indicator
	SIP protocol
	VLAN, DiffServ/ToS
	G.711 uLaw/aLaw, G.722, G.723, G.726, G.729a, iLBC, Linear 16bit
	Built-in 10/100 Ethernet switch
	802.3af PoE Class 1 (2.4W idle / 3.2W active / 3.9W max)
	DHCP, Static IP Addressing
	Local PoE Adapter w/ License Bundle, Essential On-site
	Warranty: at least 1-year
34.	Network Attached Storage with 10TB Hard Disk Drive
	Ŭ
	CPU: Intel Celeron J3355 dual-core 2.0 GHz, burst up to 2.5 GHz
	Hardware encryption engine: Yes (AES-NI)
	Hardware transcoding engine: Supported codec: H.264 (AVC), H.265 (HEVC),
	MPEG-2 and VC-1; maximum resolution: 4K (4096 x 2160);
	maximum frame rate per second (FPS): 30
	Memory: 2 GB DDR3L
	Compatible drive type: 2 x 3.5" or 2.5" SATA SSD / HDD (drives not included) External port: 3 x USB 3.0 port, 1 x eSATA port
	Size (H x W x D): $165 \times 108 \times 232.2 \text{ mm}$
	LAN: Gigabit (RJ-45) x 1
	Networking protocol: SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH,
	SNMP, VPN (PPTP, OpenVPN™, L2TP
	Supported RAID type: Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1
	Security: Firewall, Encryption shared folder, SMB encryption, FTP over SSL/TLS,
	SFTP, Rsync over SSH, Login auto block, Let's Encrypt support, HTTPS
	Supported client: Windows 7 and 10, Mac OS X 10.11 onwards
	Warranty: 1 year Local Supplier Warranty
35.	10G 16-Port Managed Aggregation Switch
	Dimensions (+/- 10%) 443 x 221 x 43 mm (17.44 x 8.70 x 1.69")
	Total Non-Blocking Throughput 160 Gbps
	Switching Capacity 320 Gbps
	Forwarding Rate 238.10 Mpps

	Networking Interfaces "(12) 1/10 Gbps SFP+ Ethernet Ports
	(4) 1/10 Gbps RJ45 Ethernet Ports"
	Management Interface (1) RJ45 Serial Port, Ethernet In/Out Ban
	Core Switching Features "• ANSI/TIA-1057: LLDP-Media Endpoint
	Discovery (MED)
	 IEEE 802.1AB: Link Layer Discovery Protocol (LLDP)
	 IEEE 802.1D: Spanning Tree Compatibility
	 IEEE 802.1S: Multiple Spanning Tree Compatibility
	 IEEE 802.1W: Rapid Spanning Tree Compatibility
	 IEEE 802.1Q: Virtual LANs with Port-Based VLANs
	 IEEE 802.1p: Ethernet Priority with User Provisioning and Mapping
	 IEEE 802.1X: Port-Based Authentication with Guest VLAN Support
	• IEEE 802.3ab: 1000BASE-T
	• IEEE 802.3an-2006: 10GBASE-T
	• IEEE 802.1ak: Virtual Bridged Local Area Networks - Amendment 07: Multiple
	Registration Protocol
	• IEEE 802.3ac: VLAN Tagging
	• IEEE 802.3ad: Link Aggregation
	• IEEE 802.3x: Flow Control
	• IEEE 802.1D-2004: Generic Attribute Registration Protocol: Clause 12 (GARP)
	• IEEE 802.1D-2004: Dynamic L2 multicast registration: Clause 10 (GMRP)
	• IEEE 802.1Q-2003: Dynamic VLAN registration: Clause 11.2 (GVRP)
	• RFC 4541: Considerations for Internet Group Management Protocol (IGMP)
	Snooping Switches"
	Advanced Layer 2 Features "• Broadcast Storm Recovery
	Broadcast/Multicast/Unknown Unicast Storm Recovery
	DHCP Snooping
	• IGMP Snooping Querier
	• Independent VLAN Learning (IVL) Support
	• Jumbo Ethernet Frame Support
	Port MAC Locking
	Port Mirroring
	Protected Ports
	Static MAC Filtering
	• TACACS+
	Voice VLANs
	Unauthenticated VLAN
	Internal 802.1X Authentication Server"
	Management "• Web UI
	• Industry-Standard CLI
	• IPv6 Management
	Password Management
	 Autoinstall Support for Firmware Images and Configuration Files
	• SNMP v1, v2, and v3
	• SSH 1.5 and 2.0
	• SSL 3.0 and TLS 1.0
	• Telnet (Multi-Session Support)"
	Warranty: at least 1 year
26	
36.	Media Converter Gigabit Switch with SFP Port
	Standards:
	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX/FX
	IEEE802.3z 1000Base-SX/LX
	IEEE802.3x Flow control

	IEEE802.1p QoS
	IEEE802.1d Spanning Tree
	Ethernet Port :
	Connector: RJ45
	Data Rate:10/100/1000M
	Distance: 100m
	UTP Type: UTP-5E or higher level
	Fiber Port:
	Connector: SC/FC/ST/SFP slot
	Data Rate: 1.25Gbps
	Optical Wavelength: 850nm/1310nm/1490nm/1550nm
	Distance: 550m~120km
	Performance: Processing Type: Store and Forward
	MAC Table Size:4K/6K/8K
	Buffer Space: 500kbs/1Mbit/2Mbit
	Jumbo Packet: 1518 bytes
	Back bandwidth: 3.8G/5.6G/7.2G
	Time Delay: $<150\mu$ s
	Power:
	Power type: external power supply
	Input Voltage: AC100V~240V 50/60Hz
	Connector: DC Socket
	Working Voltage: 5V
	Power Consumption: 2.2W~3.5W
	Transmission Distance:
	Twisted Pair: 100m (CAT5e, CAT6 cables)
	Muti-mode: 2km
	Single-mode: 3/20/40/60/80/100km
	MTBF:
	100, 000 hours
	Warranty: 1 year
37.	UTP Cable - CAT 6 (BLUE)
	Conductor
	No. of Pairs 4
	AWG 24
	Stranding Solid
	Conductor Material BC-Bare Copper
	Insulation
	Material PO-Polyolefin
	Outer Shield
	Material Unshielded
	Outer Jacket
	Material PVC - Polyvinyl Chloride
	Diameter 5.8 mm
	Description 24 AWG solid bare copper conductors, non-plenum, Polyolefin
	insulation, twisted pairs, central spline, rip cord.
38.	UTP Cable - CAT 6 (BLACK)
	Conductor
	No. of Pairs 4
	AWG 24
	Stranding Solid

	Conductor Material BC-Bare Copper
	Insulation
	Material PO-Polyolefin
	Outer Shield
	Material Unshielded
	Outer Jacket
	Material PVC - Polyvinyl Chloride
	Diameter 5.8 mm
	Description 24 AWG solid bare copper conductors, non-plenum, Polyolefin
	insulation, twisted pairs, central spline, rip cord.
39.	UTP Cable - CAT 8
	ISO Channel Class: 8.I and 8.II
	Maximum Bandwidth: 2000MHz
	Maximum Ethernet Data Rate: 25Gbps / 40Gbps
	Cabling System: Shielded only
	Connector Type: RJ45
40.	RJ45 - CAT6 (Non Modular)
	Description • RJ45 plug for Cat 6 Solid and Stranded UTP cable
	 3-tong contact suitable for solid conductors
	 3-piece design maintain cable integrity, ensuring optimal performance
41.	Fiber Optic Cable
	Single Mode, 2 Cores, 1 Kilometer
42.	Coupler SC-APC Adapter Connector
	Product Type: SC FC ST LC Adapter
	Mode: Single mode, Multi mode
	Insertion Loss: Single mode ≤0.2dB, Multi mode ≤0.3dB
	Return Loss: ≥45dB
	Mating Durability: Additional Loss≤0.1dB, Return Loss Variability<5dB
43.	1:16 Splitter Water-Proof Box
	Material: ABS
	Protection Level: IP66
	Splitter Box Type: Outdoor/Indoor
	Splitter Accommodation: up to 32SC simplex adapters
	Entry Cable Allowance: max diameter 20 mm, up to 2 cables
44.	Protective Box Case for Optical Fiber
	Material: ABS
	Protective Case Ratio: 1 is to 1
45.	Fiber Optic SC APC FTTH Fast Connector
45.	The optic scarce i i i i ast connector
	Optical fiber diameter: SM (9/125), MM (50/125, 62.5/125) 125 μm (657A &
	657B)
	Tight buffer diameter: 250 μm
	-
	Fiber mode: Single mode Insert loss: $\leq 0.2 dR$ (1210 nm & 1550 nm)
	Insert loss: $\leq 0.3 \text{ dB}$ (1310 nm & 1550 nm)
	Return loss: > 50 db (PC), > 55 db (UPC), > 65 db (APC)
	Features: FTTH project usable
	Field installable
	Insert loss less than 0.5dB
	Metal V-shape cavity work well in high and low temperature

Installation less than 1 minutes
Reliable and superior optical performance
Cable Tensile test complies with Telcordia GR-326-COR

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. Eli	A. Eligibility and Technical Documents (Contents of Envelope 1)			
	1. Photocopy of valid PhilGEPS Certificate of Registration			
	2. Photocopy of valid Certificate of Registration from SEC, DTI, or CDA, whichever is applicable			
	3. Photocopy of valid Mayor's/Business Permit			
	4. Photocopy of valid Tax Clearance			
	5. Statement of all on-going government and private contracts, including contracts awarded but not yet started, if any			
	6. Statement of Single Largest Completed Contract (SLCC), similar to the contract to be bid, in accordance with ITB Clause 5.3			
	7. Audited Financial Statements stamped "received" by the BIR or its duly accredited and authorized institutions			
	8. NFCC computation			
	9. <i>If applicable</i> , 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			
	10. Bid Securing Declaration or Bid Security, in the form, amount and validity period, as prescribed in ITB Clause 14.1			
	11. Bidder's Compliance to the Technical Specifications			
	12. Omnibus Sworn Statement, which shall be duly notarized			
A. Fin	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

A. Eligibility and Technical Documents

B.

5.	Statement of all on-going government and private contracts, including contracts awarded but not yet started, if any	37
6.	Statement of Single Largest Completed Contract (SLCC), similar to the contract to be bid, in accordance with ITB Clause 5.3	38
8.	NFCC computation	39
10.	Bid Securing Declaration or Bid Security, in the form, amount and validity period, as prescribed in ITB Clause 14.1	40
11.	Bidder's Compliance to the Technical Specifications	42
12.	Omnibus Sworn Statement, which shall be duly notarized	57
Fina	ancial Documents	
1.	Financial Bid Form	58
2.	Schedule of Prices	59

[Date]

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.

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

[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]

[Date]

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

NET FINANCIAL CONTRACTING CAPACITY

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

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

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

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

NFCC =

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

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

Bid-Securing Declaration

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

Х-----Х

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 ____.

[Date]

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

Compliance to the Technical Specifications

		Riddor's Compliance
		Bidder's Compliance
		State "Comply" below <i>if your</i>
		offer is complying with the
Item	Description	specifications, otherwise state
No.		"We are offering the same goods
		with the following specifications
		[State the complete specifications
		of the alternative offer]
1.	Office PC	
	Processor: Intel® Core™ i3-9100 (4 Cores/6MB/4T/3.6GHz to	
	4.2GHz/65W); supports Windows 10/Linux	
	OS: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS	
	Media Kit CD Included)	
	Memory: 8 GB, 2X4GB DDR4, 2666 MHz, ECC/Non-ECCSDRAM	
	Hard Drive: 256GB SSD + 1TB HDD 7200 RPM	
	Graphics: Integrated Intel [®] HD Graphics	
	Ports:	
	8 External USB Type-A: 4 x 3.1 (2 front/2 rear) and 4 x 2.0 (2 front/2 rear)	
	2 Internal USB 2.0	
	1 RJ-45	
	1 DisplayPort 1.2	
	1 HDMI 1.4	
	1 UAJ	
	1 Line-out	
	Display: at least 21.5" Wide Screen Monitor with LED Back Light (same	
	brand as system unit and compatible to the unit's primary display output	
	port)	
	Peripherals: Keyboard, Optical scroll mouse (must be same brand with	
	system unit)	
	Form Factor: Small Form Factor	
	UPS: Output Power Capacity: 550W / 1.1kVA, Nominal Output Voltage:	
	230V, Nominal Input Voltage: 230V, Battery type: Maintenance-free	
	sealed Lead-Acid battery with suspended electrolyte : leakproof,	
	Replacement Battery: Compatible Battery to the unit, Expected Battery	
	Life (years): 2 - 4, Height: 21.5 cm x Width: 13 cm x Depth: 33.6 cm,	
	Warranty: 2 years local supplier warranty	
	Warranty: 5 years local supplier warranty Warranty: 5 years on-site repair / warranty on all labor and parts by an	
	authorized technical support.	
2.	Basic Laboratory PC	
۷.	basic Laboratory i C	
	Processor: Intel [®] Core™ i5-9400, 6 Cores/9MB/6T/2.9GHz to 4.1GHz/65W	
	OS: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS	
	Media Kit CD Included)	
	Memory: 8GB (2x4GB) 2666MHz DDR4 Memory	
	Hard Drive: 512GB M.2 NVMe Class 35 Solid State Drive	
	Graphics: NVIDIA® GeForce® GT 730	
	•	
	Ports:	
	8 External USB Type-A: 4 x 3.1 (2 front/2 rear) and 4 x 2.0 (2 front/2 rear)	
	2 Internal USB 2.0	
	1 RJ-45	
	1 DisplayPort 1.2	

	1	
	1 HDMI 1.4	
	1 UAJ	
	1 Line-out	
	1 Optional Video Port (DisplayPort/HDMI 2.0/VGA)	
	Display: at least 21.5" Wide Screen Monitor with LED Back Light (same	
	brand as system unit and compatible to the unit's primary display output	
	port)	
	Peripherals: Keyboard, Optical scroll mouse (must be same brand with	
	system unit)	
	Form Factor: Small Form Factor	
	UPS: Output Power Capacity: 325Watts / 650VA	
	Nominal Output Voltage: 230V	
	Nominal Input Voltage: 230V	
	Battery type: Maintenance-free sealed Lead-Acid battery with suspended	
	electrolyte, leakproof	
	Replacement Battery: Compatible Battery to the unit	
	Expected Battery Life (years): 2 - 4	
	Height: 27.85 cm x Width: 16 cm x Depth: 8.85 cm	
	Warranty: 2 years	
	Warranty: 5 years on-site repair / warranty on all labor and parts by an	
	authorized technical support.	
3.	Desktop Computer for CAD Laboratory	
э.		
	Processor: Intel Core™ i5 10400 6-Core™, 12MB Cache, 2.9Ghz to 4.3GHz	
	OS: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS	
	Media Kit CD Included)	
	Memory: 16 GB, 2x8 GB, DDR4, 2666 MHz)	
	Storage: 512GB NVMe Class 35 Solid State Drive	
	Video Card: NVIDIA GeForce GTX 1660 Ti 6GB GDDR6	
	Ports:	
	Front:	
	1 x USB 3.1 Type-C Gen 1,	
	3 x USB 3.1 Gen 1 Ports,	
	1 x Headset jack,	
	Rear:	
	4 x USB 3.1 Gen 1 ports,	
	2 x USB 2.0 ports,	
	1 x HDMI 1.4 4,	
	1 x Display Port 1.2 4,	
	1 x Gigabit Ethernet,	
	1 x Audio ports (5.1 channel 3 Jack)	
	Display: at least 21.5" Wide Screen Monitor with LED Back Light (same	
	brand as system, compatible to the unit's primary display output port)	
	Peripherals: Keyboard, Optical scroll mouse (must be same brand with	
	system unit)	
	UPS: Output Power Capacity: 550W / 1.1kVA, Nominal Output Voltage:	
	230V, Nominal Input Voltage: 230V, Battery type: Maintenance-free	
	sealed Lead-Acid battery with suspended electrolyte : leakproof,	
	Replacement Battery: Battery Compatible to the unit, Expected Battery	
	Life (years): 2 - 4, Height: 21.5 cm x Width: 13 cm x Depth: 33.6 cm,	
	Warranty: 2 years local supplier warranty,	
	warranty, 2 years local supplier warranty, w/ 5 years on-site repair / warranty on all labor and parts by an authorized	
	technical support.	
4.	Office Laptop	
4.		
	Processor: Intel [®] Core™ i3-1005G1 Processor	
	OS: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS	
	Media Kit CD Included)	
	Memory: 8GB (8Gx1), DDR4, 2666MHz	
	Hard Drive: 256GB M.2 PCIe NVMe Solid State Drive	
	Graphics: Intel [®] UHD Graphics with shared graphics memory	
	Ports:	
	Ports: 1 x SD Card Reader	
	Ports: 1 x SD Card Reader 1 x USB 2.0	
	Ports: 1 x SD Card Reader	

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	1 x Power	
	1 x USB Type C (available with discrete graphics only)	
	1 x HDMI 1.4b	
	1 x RJ45	
	2 x USB 3.1 Gen 1	
	1 x Headphone & Microphone Audio Jack	
	Camera: Integrated widescreen HD (720p) Webcam with Single Digital	
	Microphone	
	Display: 15.6-inch FHD (1920 x 1080) Anti-Glare LED-Backlit Non-touch	
	Display	
	Warranty: 3 years on-site repair / warranty on all labor and parts by an	
	authorized technical support.	
	With essential accessories	
5.	18.5" Computer Monitor	
5.		
	Device Type: LED Backlit LCD Monitor	
	Panel Type: TN	
	Aspect Ratio: Widescreen - 16:9	
	Native Resolution: 1366 x 768 @ 60Hz	
	Pixel Pitch: 0.300mm	
	Brightness: 200 cd/m2	
	Contrast Ratio : 600:01:00	
	Response Time: 5 ms (black-to-white)	
	Color Support : 16.7 million colors	
	Input Connectors: 1 x VGA, 1 x HDMI 1.4	
	Cables Included: 1 x Power Cable, 1 x Power Adapter, 1 x VGA Cable, 1 x	
	HDMI Cable	
	Screen Coating: Anti-glare, 3H Hard Coating	
	Position Adjustments: Tilt	
	Warranty: 5 years on-site repair / warranty on all labor and parts by an	
	authorized technical support.	
6		
6.	23" Computer Monitor for Software Development	
	Display Type: LED-backlit LCD monitor / TFT active matrix	
	Aspect Ratio: 16:9	
	Panel Type: IPS	
	Native Resolution: Full HD (1080p) 1920 x 1080 at 60 Hz	
	Color Support: 16.7 million colors	
	Response Time: 8 ms (normal); 5 ms (fast)	
	Backlight Technology: LED edgelight system	
	Connectivity:	
	1 x DisplayPort version 1.2	
	1 x HDMI port version 1.4	
	1 x VGA port	
7.	Projector with Presenter Bundle	
	Projector	
	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	
		1

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	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	
	Warranty: at least 1 year	
8.	Projector with Presenter Bundle and Tripod White screen	
	·,··· · · · · · · · · · · · · · · · · ·	
	Projector	
	-	
	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): 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)	
	Anglestant	
	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	
1	Warranty: at least 1 year	
	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	
	White screen	
	Features:	
	Ultra bright screen surface without bellows	
	• Wrinkle free	
	Thicker surface for lifetime usage	
	 Surface doesn't change color in time 	
	Worry-free mechanism	
	• Strong supports stand for windproof performance"	
1	Dimensions (+/- 10%) $H \times W$: 70" x 70"	
1	Fabric: Matte White	
	Warranty: at least 1 year	
9.	Wireless Portable Projector with Presenter Bundle	
	Projector	
I		

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Pro	ojection Technology RGB liquid crystal shutter projection system
Wh	hite Light Output (Normal): 3,200lm
Col	lour Light Output (Normal / Eco): 3,200lm / 1,900lm
Cor	nnectivity "USB Interface:
USI	B Type A: 1 (for USB Memory, USB Document Camera, for Wireless LAN
Uni	it, Firmware Update)
USI	B Type B: 1 (for USB Display, Mouse, K/B, Control, Firmware Update)
Net	twork: Wireless LAN; In-built
Ana	alog Input:
D-S	Sub 15pin: 1 (Blue molding)
	mposite: RCA x 1
Cor	ntrast Ratio 10,000:1
Scr	reen Size "Standard Size:
60"	" screen 1.35 - 1.62m
Zoc	om: Wide:
30″	" - 300" (0.67 - 6.81m)
	om: Tele:
	" - 300" (0.80 - 8.18m)
	mensions (+/- 10%) (W x H x D): 292mm x 44mm x 213mm
	clusion: Presenter
-	arranty: at least 1 year
Dra	esenter
	ser Class 2 Laser
	ax Output Less than 1mW
	reless technology 2.4 GHz wireless technology
	ttery type 2 AAA batteries
	mensions (+/- 10%) H x W x D: 37.8 mm x 115.5 mm x 27.4 mm
	arranty: at least 1 year
	ort Throw Interactive Projector
10. 5110	
Brig	ghtness: White Light Output (Normal / Extended):
	00 lm / 2800 lm
	lour Light Output (Normal / Extended):
	00 lm / 2800 lm
	nnectivity: Network:
	red LAN: RJ45 x 1 (100 Mbps)
	reless: Yes
	alog Input:
	Sub 15Pin: 1 (Blue)
	mposite: RCA x 1
-	gital Input: DMI: 3
	ntrast Ratio: Over 2,500,000:1
	reen Size (Projected Distance) : Standard Size:
	" screen
	om: Wide:
	" to 130"
	om: Tele:
	" to 130"
	und Output: 16W Mono x 1
	D: Size: 0.67" (D10)
	tive Resolution: WUXGA
-	ht source Type: Laser Diode
	e (Normal / Extended): 20,000 / 30,000 hours
	mp: Type: 250W UHE
	arranty: at least 2 years
11. Vid	deo Conferencing Equipment
	ain Camera: Ultra-HD imaging system supports:
	(, 1440 p, 1080 p, 900 p, 720 p, and SD at 30 fps
108	80 p, 720 p at 30 fps and 60 fps
108 Sm	80 p, 720 p at 30 fps and 60 fps nooth motorized pan, tilt and zoom
108 Sm Par	80 p, 720 p at 30 fps and 60 fps nooth motorized pan, tilt and zoom n: ±90°
108 Sm Par Tilt	80 p, 720 p at 30 fps and 60 fps nooth motorized pan, tilt and zoom

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	Field of View:	
	Diagonal: 90°	
	Horizontal: 82.1°	
	Vertical: 52.2	
	Autofocus	
	3 camera presets	
	Kensington security slot	
	Video mute/unmute LED indicator	
	Standard tripod thread	
	Lens parks at -90° in sleep mode for assured privacy	
	Mic Pod: Pickup range: 4.5 m diameter	
	Four omnidirectional microphones forming eight acoustic beams	
	AEC (Acoustic Echo Cancellation)	
	VAD (Voice Activity Detector)	
	Background noise suppression	
	Mute button with LED status indicator	
	Captive 2.95 m 12-pin cable	
	Daisy chain up to 7 Rally Mic Pods	
	Frequency response: 90 Hz – 16 kHz	
	Sensitivity: >-27 dB +/-1 dB @ 1 Pa	
	Microphone data rate: 48 kHz	
	Speaker: High-performance 76 mm driver with rare-earth magnet	
	Patent-pending suspension system eliminates vibration-induced camera	
	shake and audio interference	
	Mini XLR cable connects to Rally Display Hub for both signal and power	
	Speaker volume 95 dB SPL @1 W, 100 dB SPL @7.5 W, both +/-2 dB at ½	
	meter	
	Sensitivity: 95+/-2 dB SPL at ½ meter	
	Distortion: 200 Hz–300 Hz < 2.5%, 300 Hz–10 kHz < 1%@7.5 W	
	Speaker sampling rate: 48 kHz	
	Table Hub:	
	Single CAT6A cable connection to Rally Display Hub (5 m cable included,	
	supports customer-supplied cables up to 50 m)	
	Active speaker detection: analyzes audio from up to 7 Mic Pods and 56	
	beams every 8ms	
	12 Pin connector for Rally Mic Pod	
	HDMI Type A passthrough to Display Hub (x2)	
	USB Type C	
	USB Type A (reserved for future capability)	
	USB Type B (connects to meeting room computer)	
	RJ45 (reserved for future capability)	
	Power input	
	Display Hub:	
	HDMI Type A (x2) (connects to displays)	
	USB C (connects to Rally Camera)	
	USB Type B (connects to meeting room computer)	
	RJ45 (connects to Table Hub)	
	Mini XLR (x2)	
	Powers one or two Rally Speakers	
	Power input	
12.	Monochrome - Multifunction Inkjet Printer	
	Print Method: On-demand inkjet (Piezoelectric)	
	Minimum Ink Droplet Volume: 3pl	
	Control Panel: 2Line LCD	
	Print Direction: Bi-directional printing, Uni-directional printing	
	Nozzle Configuration: 360 nozzles Black	
	Maximum Resolution: 1440 dpi x 720 dpi (with Variable-Sized Droplet	
	Technology)	
	Print Speed: Draft, A4 (Black / Colour): Approx. 34 ppm (Black draft)	
	Copy Speed: Draft, A4 (Black / Colour): Approx. 34 ppm (Black draft)	
	Scanner Type: Flatbed colour image scanner	
	Sensor Type: CIS	
		1

	Optical Resolution: 1200 dpi x 2400 dpi	
	Paper Feed Method: Friction Feed	
	Connectivity: Standard: USB 2.0	
	Ethernet: 100BASE-TX / 10BASE-T	
	Dimensions (+/- 10%) 435 x 377 x 226 mm	
	Warranty: 1 year	
13.	Single Function Laser Printer	
	Print Speed Black: Normal: Up to 20 ppm	
	First Page Out: Black: As fast as 8.3 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: 400 MHz	
	Connectivity, standard: 1 Hi-Speed USB 2.0	
	Paper handling input, standard: 150-sheet input tray, 10-sheet priority	
	tray	
	Paper handling output, standard: 100-sheet output tray	
	Approx. Dimensions (+/- 10%): Maximum: 331 x 215 x 178 mm	
	Warranty: w/ 3 years on-site repair/warranty on all labor and parts by an	
	authorized technical support or on-site exchange service.	
14.	Multifunction Laser Printer	
14.		
	Functions: Print, copy, scan	
	Printing Specifications: Print speed black: : Normal: Up to 28 ppm	
	First page out (ready): Black: As fast as 6.4 sec	
	Duty cycle (monthly, A4): Up to 30,000 pages	
	Recommended monthly page volume: 250 to 2500	
	Print technology: Laser	
	Print quality black (best): Up to 600 x 600 dpi	
	Print Resolution Technologies: HP FastRes 1200, HP ProRes 1200	
	Print languages: PCL5c; PCL6; PS; PCLmS; PDF; URF; PWG	
	Display: 2-line LCD	
	Connectivity: 1 Hi-Speed USB 2.0; 1 Ethernet 10/100Base-TX	
	Memory: Standard: 256 MB; Maximum: 256 MB	
	Paper Handling:	
	Paper handling input: 250-sheet input tray, 10-sheet priority tray, Paper handling output: 150-sheet output tray	
	Duplex printing: Automatic (standard)	
	Media types: Paper (laser, plain, photo, rough, vellum), envelopes, labels,	
	cardstock, postcards	
	Dimensions (+/- 10%): 403 x 407.4 x 311.5 mm	
	Warranty: 3 years on-site repair/warranty on all labor and parts by an	
15	authorized technical support or on-site exchange service.	
15.	Colored Ink Tank Printer with ADF	
	Printer Type: Print, Scan, Copy with ADF	
	Minimum Ink Droplet Volume: 3.3 pl	
	Control Panel: 2.4 " Colour LCD	
	Print Direction: Bi-directional printing, Uni-directional printing	
	Nozzle Configuration: 400 nozzles Black, 128 nozzles per colour	
	Maximum Resolution: 4800 x 1200 dpi (with Variable-Sized Droplet	
	Technology)	
	Print Speed: Draft, A4 (Black / Colour): Up to 33 ppm / 20 ppm	
	Copy Speed: ISO 29183, A4 Simplex Flatbed (Black / Colour):	
	Up to 11 ipm / 5.5 ipm	
	Scanner Type: Flatbed colour image scanner	
	Sensor Type: CIS	
	Optical Resolution: 1200 dpi x 2400 dpi	
	Paper Feed Method: Friction Feed	
	Connectivity: Standard: USB 2.0	
	Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct	
1	Dimensions (+/- 10%): 375 x 347 x 231 mm	
10	Warranty: 1-year	
16.	A3 WiFi Duplex Colored Multifunction Inkjet Printer	

		
	Minimum Into Drantat Valuman 2.0 al	
	Minimum Ink Droplet Volume: 2.8 pl	
	Control Panel: 4.3 " TFT Colour LCD	
	Print Direction: Bi-directional printing, Uni-directional printing	
	Nozzle Configuration: 400 x 2 nozzles Black, 128 x 2 nozzles per colour	
	(Cyan, Magenta, Yellow)	
	Maximum Resolution: 4,800 x 2,400 dpi (with Variable-Sized Droplet	
	Technology)	
	Print Speed: Draft, A4 (Black / Colour): Up to 32 ppm / 20 ppm	
	Copy Speed: ISO 29183, A4, Simplex (Black / Colour): Up to 16 ipm /	
	8.8 ipm	
	Scanner Type: Flatbed colour image scanner	
	Sensor Type: CIS	
	Optical Resolution: 1200 x 2400 dpi	
	Paper Feed Method: Friction feed	
	Connectivity: USB: Hi-Speed USB 2.0	
	Network: Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct"	
	Dimensions (+/- 10%) (W x D x H): 666 x 486 x 418 mm	
	Warranty: 1 year	
17.	A3+ Ink Tank Printer	
	Printer Type: Print	
	Print Method: On-demand inkjet (Piezoelectric)	
	Minimum Ink Droplet Volume: 1.5 pl	
	Print Direction: Bi-directional printing, Uni-directional printing	
	Nozzle Configuration: 90 per colour (Cyan, Light Cyan, Magenta, Light	
	Magenta, Yellow, Black)	
	Maximum Resolution: 5760 x 1,440 dpi	
	Print Speed	
	Draft, A4 (Black / Colour): Up to 15 ppm / 15 ppm	
	Standard Paper Input Capacity:	
	Up to 100 sheets, A4 Plain paper (75g/m2)	
	Up to 30 sheets, A4 Plain paper (75g/112)	
	Output Capacity:	
	Up to 50 sheets, A4 Plain paper	
	Up to 20 sheets, Premium Glossy Photo Paper	
	Maximum Paper Size:	
	12.95 x 44"	
	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)	
	Paper Feed Method: Friction feed	
	Warranty: 1-year	
18.	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: 200 dpi: 26 ppm / 52 ipm (Monochrome,	
	Colour)	
	300 dpi: 26 ppm / 52 ipm (Monochrome, Colour)	
	600 dpi: 21 ppm / 42 ipm (Monochrome), 7.0 ppm / 14 ipm (Colour)"	
	ADF Capacity: 50 sheets (80g/m2)	
	Daily Duty Cycle: up to 3,000 sheets / day	
	Interface: USB 2.0	
	Warranty: 1 year	
19.	Portable External Hard Drive	
	Capacity: 1TB storage capacity	

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	Interface: USB 3.0 interface plug-and-play	
	Data Transfer: 640 MBps (5 GBps)	
	Dimensions (L X W X H): 114.8 mm x 78 mm x 11.7 mm	
	Warranty: 3 Years Local Supplier Warranty	
20.	Solid State Drive 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	
	Warranty: 1-year warranty	
21.	HD 720P Web Camera	
	Max Resolution: 720p/30fps	
	Focus type: fixed focus	
	Lens technology: standard	
	Built-in mic: mono	
	FoV : 60°	
	Features	
	3-megapixel pics (software enhanced)	
	With Auto Light Correction	
	With Built-in mic with noise cancellation	
	Cable length: 1.5 m	
	Warranty : at least 1-year	
22.	Headphone with Mic	
	Speaker Driver Size: 32 mm	
	Speaker Frequency Response: 20Hz - 20kHz	
	Microphone Frequency Response: 100Hz - 10kHz	
	High Definition 24-bit stereo: 48kHz sampling rate	
	Headset Controls: Answer/end call	
	Volume buttons	
	Mute microphone button	
	Cable Length: 2 meters	
	• The noise-canceling microphone works with DSP to block low-frequency	
	noise.	
	 24-bit high fidelity stereo output. 	
	•Speaker Driver size: 32mm.	
	Warranty: at least 1-year	
23.	Rechargeable Mouse for Apple Laptops	
	General Multi-Touch	
	Connections and Expansion: Bluetooth, Lightning port, Wireless	
	Dimensions (+/- 10%): Height: 0.85 inch (2.16 cm), Width: 2.25 inches	
	(5.71 cm)	
	Depth: 4.47 inches (11.35 cm)"	
	Warranty: at least 1-year	
24.	HDMI Cable, 5 meters	
	Cable Type: Locking HDMI	
	Connector A Gender: Male	
	Connector A Type: HDMI	
	Connector B Gender: Male	
	Connector B Type: HDMI	
	Length: 5 m	
	Sheath Colour: Black	
	Warranty: at least 1-year	
25.	Gigabit Switch - 8 Port Unmanaged Rackmount	
23.	טוצמטור שאוננוו - ס רטור טוווומוומציט המנגוווטטוונ	
	Number of Ports: Eight 10/100/1000 Mbps ports (ports 1-4 are PoE	
	enabled)	
1	Standards: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast	
	Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, ANSI/IEEE 802.3	

	NWay Auto-negotiation, IEEE 802.3x Flow Control, IEEE 802.1p QoS, IEEE	
	802.3az EEE"	
	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)"	
	Media Interface Exchange: Auto MDI/MDIX adjustment for all	
	ports	
	Transmission Method: Store and forward	
	MAC Address Table: 4K Entries	
	RAM Buffer: 512 KB	
	Switching Capacity: 16 Gbps	
	LEDs Per unit: Power / PoE Max	
	Per port: Activity / Link and Speed	
	Per PoE port: Power / Status"	
	Dimensions (+/- 10%) (W x D x H): 7.5" x 4.7" x 1.5"(190 x 120 x 38	
	mm)	
	Warranty: 1 year	
26.	Gigabit Switch - 16 Port Unmanaged Rackmount	
	Number of Ports: Sixteen 10/100/1000 Gigabit ports	
	Standards: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast	
	Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, ANSI/IEEE 802.3	
	NWay auto-negotiation, IEEE 802.3x Flow Control	
	Data Transfer Rates:	
	Ethernet:	
	• 10 Mbps (half duplex)	
	• 20 Mbps (full duplex)	
	• Fast Ethernet:	
	• 100 Mbps (half duplex)	
	• 200 Mbps (full duplex)	
	• Gigabit Ethernet:	
	• 2000 Mbps (full duplex)"	
	Features: IEEE 802.3az Energy Efficient Ethernet (EEE), Link status	
	detection power saving, RoHS Compliance	
	Media Interface Exchange: Auto MDI/MDIX	
	Transmission Method: Store-and-Forward switching method	
	MAC Address Table: 8K MAC addresses	
	RAM Buffer: 512 KBytes RAM for data buffering	
	Switching Capacity: 32 Gbps	
	LEDs: Power LED, 16 Link/Activity/Speed LEDs (one per port)"	
	Dimensions (+/- 10%) 11.02 x 4.92 x 1.73 inches (280 x 125 x 44 mm)	
	Warranty: 1 year	
27.	Gigabit Switch - 24 Port Unmanaged Rackmount	
1	Number of Ports Twenty-four 10/100/1000 Gigabit ports	
1	Standards "• IEEE 802.3 10BASE-T Ethernet	
	• IEEE 802.3u 100BASE-TX Fast Ethernet	
1	 IEEE 802.3ab 1000BASE-T Gigabit Ethernet 	
1	 ANSI/IEEE 802.3 NWay auto-negotiation 	
	• IEEE 802.3x Flow Control"	
1	Data Transfer Rates "• Ethernet:	
1	• 10 Mbps (half duplex)	
	• 20 Mbps (full duplex)	
1	• Fast Ethernet:	
1	• 100 Mbps (half duplex)	
1	• 200 Mbps (full duplex)	
	• Gigabit Ethernet:	
	• 2000 Mbps (full duplex)"	
	Features"• IEEE 802.3az Energy Efficient Ethernet (EEE)	
	• Link status detection power saving	
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RoHS Compliance"	
Media Interface Exchange Auto MDI/MDIX	
Transmission Method Store-and-Forward switching method	
MAC Address Table 8K MAC addresses	
RAM Buffer 512 KBytes RAM for data buffering	
Switching Capacity 48 Gbps	
LEDs "• Power LED	
 24 Link/Activity/Speed LEDs (one per port)" 	
Dimensions (+/- 10%) 11.02 x 7.09 x 1.73 inches (280 x 180 x 44 mm)	
Warranty: 1 year	
28. 1U Ethernet Rackmount Router	
Architecture: ARM 32bit	
CPU: AL21400	
CPU core count: 4	
CPU nominal frequency: 1400 MHz	
License level: 6	
Operating System: RouterOS	
Size of RAM: 1 GB	
Storage size: 128 MB	
Storage type: NAND	
PoE in: 802.3af/at	
PoE in input Voltage: 20-57 V	
Number of AC inputs: 2	
Number of DC inputs: 2 (2-pin terminal, PoE-IN)	
2-pin terminal input Voltage: -48, 20-57 V	
Max power consumption: 33 W	
Max power consumption without attachments: 25 W	
10/100/1000 Ethernet ports: 13	
Warranty: 1-year	
29. Wireless Dual Band Router	
Wi-Fi Technology: AC1900 MU-MIMO Dual-band Gigabit, 600+1300 Mbps	
Network Standards: 802.11b, 802.11a, 802.11n, 802.11ac ,802.11g	
Wi-Fi Speed: AC1900 (N600 + AC1300)	
Wi-Fi Bands: 2.4 and 5 GHz (simultaneous dual band)	
Number of Ethernet Ports: 1x Gigabit WAN port, 4x Gigabit LAN ports	
Other Ports: One (1) USB 3.0 port, One (1) USB 2.0 port, Power	
Antennas: 3x external	
Processor: Dual-Core	
LEDs: Internet, Ethernet (1-4), Logo, WPS	
Wireless Encryption: Wireless Encryption	
Operation Modes: Wireless Router, Access Point, Wired Bridge, Wireless	
Bridge	
Security Features: 64/128-bit WEP, WPA2-Personal, WPA2-Enterprise	
Dimensions (LxWxH) : 257 x 184 x 56 mm	
Warranty: 1-year	
30. AC3200 MU-MIMO Gigabit WiFi Router	
Wi-Fi Technology: AC3200 MU-MIMO Dual-band Gigabit, 600+2600 Mbps	
Network Standards: 802.11a, 802.11g, 802.11n, 802.11ac	
Wi-Fi Speed: AC3200 (N600 + AC2600)	
Wi-Fi Bands: 2.4 and 5 GHz (simultaneous dual band)	
Number of Ethernet Ports: 1x Gigabit WAN port, 4x Gigabit LAN ports	
Other Ports: One (1) USB 3.0 port, One (1) Combo eSATA/USB 2.0 port	
Power	
Antennas: 4x external, ual-band, detachable antennas	
Processor: 1.8Ghz Dual-Core	
LEDs: Power, Internet, 2.4 GHz, 5 GHz, eSATA, USB1 (USB 2.0), USB2 (USB	
3.0), LAN 1–4 (activity/10/100 Mbps), LAN 1–4 (1 Gbps), WPS	
Wireless Encryption: WPA2 Personal, WPA2 Enterprise	
Wireless Encryption: WPA2 Personal, WPA2 Enterprise Operation Modes: Wireless Router	
Wireless Encryption: WPA2 Personal, WPA2 Enterprise Operation Modes: Wireless Router Access Point	
Wireless Encryption: WPA2 Personal, WPA2 Enterprise Operation Modes: Wireless Router Access Point Wired Bridge	
Wireless Encryption: WPA2 Personal, WPA2 Enterprise Operation Modes: Wireless Router Access Point	

	Security Features: WPA/WPA2	
	128 bit AES link encryption	
	Dimensions (L x W x H): 245.87 x 193.80 x 51.82 mm	
	Warranty: 1-year	
31.	Indoor / Outdoor Wireless Access Point	
	Environment Indoor/Outdoor	
	2.4 GHz Radio Rate 450 Mbps	
	5 GHz Radio Rate 1300 Mbps	
	2.4 GHz MIMO 3x3	
	5 GHz MIMO 3x3	
	Simultaneous Dual-Band Yes	
	Networking Interface (2) 10/100/1000 Ethernet Ports	
	Port USB 2.0	
	Buttons Reset	
	Power Method: Passive Power over Ethernet (48V), 802.3af/802.3at	
	Supported	
	(Supported Voltage Range: 44 to 57VDC)"	
	Antennas (3) Dual-Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi	
	Wi-Fi Standards 802.11 a/b/g/n/r/k/v/a	
	Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)	
	BSSID Up to 8 per Radio	
	Dimensions (+/- 10%) 196.7 x 196.7 x 35 mm (7.74 x 7.74 x 1.38")	
	Warranty: 1 year	
32.	16-port Managed POE+ Gigabit Switch w/ SFP, 2pcs SFP Modules included	
52.	10-port Managed 1 OE1 digabit Switch wy Sin, 2pcs Sin Modules included	
	Naturalizz Interference (16) 10/100/1000 Milling DIAE Ethomast Dante	
	Networking Interfaces: (16) 10/100/1000 Mbps RJ45 Ethernet Ports	
	(2) 1 Gbps SFP Ethernet Ports	
	Management Interface: Ethernet In-Band	
	Total Non-Blocking Throughput: 18 Gbps	
	Switching Capacity: 36 Gbps	
	Forwarding Rate: 26.78 Mpps	
	MAC Address Table: 16384	
	Maximum Aggregations: 6	
	Monitoring Sessions: 1	
	Maximum VLANs: 255	
	Power Method: 100-240VAC/50-60 Hz, Universal Input	
	Warrant: 1-year	
33.	IP Phone	
55.		
	MITEL IP420 (compatible to existing system and equipment)	
	130 x2 8 pixels, backlit display	
	Half-duplex speakerphone	
	Audio Controls	
	LED Indicator	
	SIP protocol	
	VLAN, DiffServ/ToS	
	G.711 uLaw/aLaw, G.722, G.723, G.726, G.729a, iLBC, Linear 16bit	
	Built-in 10/100 Ethernet switch	
	802.3af PoE Class 1 (2.4W idle / 3.2W active / 3.9W max)	
	DHCP, Static IP Addressing	
	Local PoE Adapter	
	w/License Bundle, Essential On-site	
<u> </u>	Warranty: at least 1-year	
34.	Network Attached Storage with 10TB Hard Disk Drive	
	CPU: Intel Celeron J3355 dual-core 2.0 GHz, burst up to 2.5 GHz	
	Hardware encryption engine: Yes (AES-NI)	
	Hardware transcoding engine: Supported codec: H.264 (AVC), H.265	
	(HEVC), MPEG-2 and VC-1; maximum resolution: 4K (4096 x 2160);	
	maximum frame rate per second (FPS): 30	
	Memory: 2 GB DDR3L	
	Compatible drive type: 2 x 3.5" or 2.5" SATA SSD / HDD (drives not	
	included)	
	External port: 3 x USB 3.0 port, 1 x eSATA port	
1		
	Size (H x W x D): 165 x 108 x 232.2 mm	

	LAN: Gigabit (RJ-45) x 1	
	Networking protocol: SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet,	
	SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP	
	Supported RAID type: Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1	
	Security: Firewall, Encryption shared folder, SMB encryption, FTP over	
	SSL/TLS, SFTP, Rsync over SSH, Login auto block, Let's Encrypt support,	
	HTTPS	
	Supported client: Windows 7 and 10, Mac OS X 10.11 onwards	
	Warranty: 1 year Local Supplier Warranty	
35.	10G 16-Port Managed Aggregation Switch	
	Dimensions (+/- 10%) 443 x 221 x 43 mm (17.44 x 8.70 x 1.69")	
	Total Non-Blocking Throughput 160 Gbps	
	Switching Capacity 320 Gbps	
	Forwarding Rate 238.10 Mpps	
	Networking Interfaces "(12) 1/10 Gbps SFP+ Ethernet Ports	
	(4) 1/10 Gbps RJ45 Ethernet Ports"	
	Management Interface (1) RJ45 Serial Port, Ethernet In/Out Ban	
	Core Switching Features "• ANSI/TIA-1057: LLDP-Media Endpoint	
	Discovery (MED)	
	• IEEE 802.1AB: Link Layer Discovery Protocol (LLDP)	
	• IEEE 802.1D: Spanning Tree Compatibility	
	IEEE 802.15: Multiple Spanning Tree Compatibility	
	IEEE 802.1W: Rapid Spanning Tree Compatibility	
	IEEE 802.1Q: Virtual LANs with Port-Based VLANs IEEE 802.1p: Ethernet Priority with User Provisioning and Manning	
	• IEEE 802.1p: Ethernet Priority with User Provisioning and Mapping	
	• IEEE 802.1X: Port-Based Authentication with Guest VLAN Support	
	• IEEE 802.3ab: 1000BASE-T	
	• IEEE 802.3an-2006: 10GBASE-T	
	• IEEE 802.1ak: Virtual Bridged Local Area Networks - Amendment 07:	
	Multiple Registration Protocol	
	IEEE 802.3ac: VLAN Tagging	
	 IEEE 802.3ad: Link Aggregation 	
	IEEE 802.3x: Flow Control	
	IEEE 802.1D-2004: Generic Attribute Registration Protocol: Clause 12	
	(GARP)	
	• IEEE 802.1D-2004: Dynamic L2 multicast registration: Clause 10 (GMRP)	
	 IEEE 802.1Q-2003: Dynamic VLAN registration: Clause 11.2 (GVRP) 	
	RFC 4541: Considerations for Internet Group Management Protocol	
	(IGMP) Snooping Switches"	
	Advanced Layer 2 Features "• Broadcast Storm Recovery	
	Broadcast/Multicast/Unknown Unicast Storm Recovery	
	DHCP Snooping	
	IGMP Snooping Querier	
	Independent VLAN Learning (IVL) Support	
	• Jumbo Ethernet Frame Support	
	Port MAC Locking	
	Port Mirroring	
	Protected Ports	
	Static MAC Filtering	
	• TACACS+	
	Voice VLANs	
	Unauthenticated VLAN	
	Internal 802.1X Authentication Server"	
	Industry-Standard CLI Inv: Management	
	IPv6 Management	
	Password Management Autoinstall Compared for Files	
	Autoinstall Support for Firmware Images and Configuration Files	
	• SNMP v1, v2, and v3	
	• SSH 1.5 and 2.0	
	• SSL 3.0 and TLS 1.0	
	Telnet (Multi-Session Support)"	
	Warranty: at least 1 year	
	Media Converter Gigabit Switch with SFP Port	

	Standards :
	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX/FX
	IEEE802.3z 1000Base-SX/LX
	IEEE802.3x Flow control
	IEEE802.1p QoS
	IEEE802.1d Spanning Tree
	Ethernet Port :
	Connector: RJ45
	Data Rate:10/100/1000M
	Distance: 100m
	UTP Type: UTP-5E or higher level
	Fiber Port :
	Connector: SC/FC/ST/SFP slot
	Data Rate: 1.25Gbps
	Optical Wavelength: 850nm/1310nm/1490nm/1550nm
	Distance: 550m~120km
	Performance : Processing Type: Store and Forward
	MAC Table Size:4K/6K/8K
	Buffer Space: 500kbs/1Mbit/2Mbit
	Jumbo Packet: 1518 bytes
	Back bandwidth: 3.8G/5.6G/7.2G
	Time Delay: <150µs
	Power :
	Power type: external power supply
	Input Voltage: AC100V~240V 50/60Hz
	Connector: DC Socket
	Working Voltage: 5V
	Power Consumption: 2.2W~3.5W
	Transmission Distance:
	Twisted Pair: 100m (CAT5e, CAT6 cables)
	Muti-mode: 2km
	Single-mode: 3/20/40/60/80/100km
	MTBF:
	100, 000 hours
	Warranty: 1 year
37.	UTP Cable - CAT 6 (BLUE)
	Conductor
	No. of Pairs 4
	AWG 24
	Stranding Solid
	Conductor Material BC-Bare Copper
	Insulation
	Material PO-Polyolefin
1	Outer Shield
	Material Unshielded
	Outer Jacket
	Material PVC - Polyvinyl Chloride
	Diameter 5.8 mm
	Description 24 AWG solid bare copper conductors, non-plenum,
	Polyolefin insulation, twisted pairs, central spline, rip cord.
38.	UTP Cable - CAT 6 (BLACK)
	Conductor
	No. of Pairs 4
	AWG 24
	Stranding Solid
	Conductor Material BC-Bare Copper
	Insulation
	Material PO-Polyolefin
	Outer Shield
	Material Unshielded
	Outer Jacket
L	

	Material PVC - Polyvinyl Chloride	
	Diameter 5.8 mm	
	Description 24 AWG solid bare copper conductors, non-plenum,	
	Polyolefin insulation, twisted pairs, central spline, rip cord.	
39.	UTP Cable - CAT 8	
	ISO Channel Class: 8.I and 8.II	
	Maximum Bandwidth: 2000MHz	
	Maximum Ethernet Data Rate: 25Gbps / 40Gbps	
	Cabling System: Shielded only	
	Connector Type: RJ45	
40.	RJ45 - CAT6 (Non Modular)	
	Description • RJ45 plug for Cat 6 Solid and Stranded UTP cable	
	 3-tong contact suitable for solid conductors 	
	3-piece design maintain cable integrity, ensuring optimal performance	
41.	Fiber Optic Cable	
	Single Mode, 2 Cores, 1 Kilometer	
42.	Coupler SC-APC Adapter Connector	
	Product Type: SC FC ST LC Adapter	
	Mode: Single mode, Multi mode	
	Insertion Loss: Single mode ≤0.2dB, Multi mode ≤0.3dB	
	Return Loss: ≥45dB	
	Mating Durability: Additional Loss≤0.1dB, Return Loss Variability<5dB	
43.	1:16 Splitter Water-Proof Box	
	Material: ABS	
	Protection Level: IP66	
	Splitter Box Type: Outdoor/Indoor	
	Splitter Accommodation: up to 32SC simplex adapters	
	Entry Cable Allowance: max diameter 20 mm, up to 2 cables	
44.	Protective Box Case for Optical Fiber	
	Material: ABS	
	Protective Case Ratio: 1 is to 1	
45.	Fiber Optic SC APC FTTH Fast Connector	
	Optical fiber diameter: SM (9/125), MM (50/125, 62.5/125) 125 μm (657A	
	& 657B)	
	Tight buffer diameter: 250 μm	
	Fiber mode: Single mode	
	Insert loss: ≤ 0.3 dB (1310 nm & 1550 nm)	
	Return loss: > 50 db (PC), > 55 db (UPC), > 65 db (APC)	
	Features: FTTH project usable	
	Field installable	
	Insert loss less than 0.5dB	
	Metal V-shape cavity work well in high and low temperature	
	Installation less than 1 minutes	
	Reliable and superior optical performance	
	Cable Tensile test complies with Telcordia GR-326-COR	

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]

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

AFFIDAVIT

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:

2. Select one, delete the other:

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

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];

3. Select one, delete the other:

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;

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;)];

- 4. *[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;
- 5. 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;
- 6. *[Name of Bidder]* is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- 7. Select one, delete the rest:

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;

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;

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;

- 8. [Name of Bidder] complies with existing labor laws and standards; and
- 9. [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].
- 10. [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.

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 Com	mission
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 _____

[Date]

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

SCHEDULE OF PRICES

ltem No.	Description	Qty.	Unit	Unit Price	Total Price
1.	Office PC	82	Set		
2.	Basic Laboratory PC	40	Set		
3.	Desktop Computer for Laboratory.	50	set		
4.	Office Laptop	7	set		
5.	18.5" Computer Monitor	5	рс		
6.	23" Computer Monitor for Software Development	7	рс		
7.	Projector with Presenter Bundle	1	set		
8.	Projector with Presenter Bundle and Tripod White screen	8	set		
9.	Wireless Portable Projector with Presenter Bundle	2	set		
10.	Short Throw Interactive Projector	1	рс		
11.	Video Conferencing Equipment	1	set		
12.	Monochrome - Multifunction Inkjet Printer	8	рс		
13.	Single Function Laser Printer	8	рс		
14.	Multifunction Laser Printer	3	рс		
15.	Colored Ink Tank Printer with ADF	4	рс		
16.	A3 WiFi Duplex Colored Multifunction Inkjet Printer	1	рс		
17.	A3+ Ink Tank Printer	1	рс		
18.	High Speed Scanner	1	рс		
19.	Portable External Hard Drive	29	рс		
20.	Solid State Drive 500 GB, 2.5 inch	8	рс		
21.	HD 720P Web Camera	17	рс		
22.	Headphone with Mic	7	рс		
23.	Rechargeable Mouse for Apple Laptops	2	рс		
24.	HDMI Cable, 5 meters	16	рс		
25.	Gigabit Switch - 8 Port Unmanaged Rackmount	10	рс		
26.	Gigabit Switch - 16 Port Unmanaged Rackmount	10	рс		
27.	Gigabit Switch - 24 Port Unmanaged Rackmount	5	рс		
28.	1U Ethernet Rackmount Router	3	Pc		
29.	Wireless Dual Band Router	24	рс		
30.	AC3200 MU-MIMO Gigabit WiFi Router	4	Рс		
31.	Indoor / Outdoor Wireless Access Point	8	рс		
32.	16-port Managed POE+ Gigabit Switch w/ SFP, 2pcs SFP Modules included	3	set		
33.	IP Phone MITEL IP420 (compatible to existing system and equipment)	6	set		
		1			
34.	Network Attached Storage with 10TB Hard Disk Drive	1	set		
35.	10G 16-Port Managed Aggregation Switch	1	рс		
36.	Media Converter Gigabit Switch with SFP Port	1	рс		
37.	UTP Cable - CAT 6 (BLUE)	25	roll roll		
38.	UTP Cable - CAT 6 (BLACK)	2			
39.	UTP Cable - CAT 8	1	roll		
40.	RJ45 - CAT6 (Non Modular)	4000	рс		
41.	Fiber Optic Cable	1	roll		
42.	Coupler SC-APC Adapter Connector	1000	рс		

43.	1:16 Splitter Water-Proof Box	20	рс		
44.	Protective Box Case for Optical Fiber	20	рс		
45.	Fiber Optic SC APC FTTH Fast Connector	1000	рс		
	TOTAL BID PRICE				

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