

REPUBLIC OF THE PHILIPPINES QUEZON CITY GOVERNMENT BIDS AND AWARDS COMMITTEE – GOODS AND SERVICES



**PHILIPPINE BIDDING DOCUMENTS** 

(As Harmonized with Development Partners)

# PROCUREMENT OF RACKMOUNT SERVER AND OTHERS

# PROJECT NO. ITDD-22-OE-231

Government of the Republic of the Philippines

Sixth Edition July 2020

# Preface

These Philippine Bidding Documents (PBDs) for the procurement of Goods through Competitive Bidding have been prepared by the Government of the Philippines for use by any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the Government of the Philippines, National Government Agencies, including Government-Owned and/or Controlled Corporations, Government Financing Institutions, State Universities and Colleges, and Local Government Unit. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract or Framework Agreement, as the case may be; (ii) the eligibility requirements of Bidders; (iii) the expected contract or Framework Agreement duration, the estimated quantity in the case of procurement of goods, delivery schedule and/or time frame; and (iv) the obligations, duties, and/or functions of the winning bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Goods to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Goods. However, they should be adapted as necessary to the circumstances of the particular Procurement Project.
- b. Specific details, such as the "*name of the Procuring Entity*" and "*address for bid submission*," should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Schedule of Requirements, and Specifications are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.
- d. The cover should be modified as required to identify the Bidding Documents as to the Procurement Project, Project Identification Number, and Procuring Entity, in addition to the date of issue.

- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

# **Table of Contents**

Gloss	ary of Acronyms, Terms, and Abbreviations	4
Sectio	on I. Invitation to Bid	7
	on II. Instructions to Bidders	
1.	Scope of Bid	
2.	Funding Information	
3.	Bidding Requirements	
4.	Corrupt, Fraudulent, Collusive, and Coercive Practices	12
5.	Eligible Bidders	
6.	Origin of Goods	13
7.	Subcontracts	
8.	Pre-Bid Conference	14
9.	Clarification and Amendment of Bidding Documents	14
10.	Documents comprising the Bid: Eligibility and Technical Components	14
11.	Documents comprising the Bid: Financial Component	14
12.	Bid Prices	
13.	Bid and Payment Currencies	
14.	Bid Security	
15.	Sealing and Marking of Bids	
16.	Deadline for Submission of Bids	
17.	Opening and Preliminary Examination of Bids	
18.	Domestic Preference	
19.	Detailed Evaluation and Comparison of Bids	
20.	Post-Qualification	
21.	Signing of the Contract	
Sectio	on III. Bid Data Sheet	18
Sectio	on IV. General Conditions of Contract	20
1.	Scope of Contract	
2.	Advance Payment and Terms of Payment	21
3.	Performance Security	21
4.	Inspection and Tests	
5.	Warranty	21
6.	Liability of the Supplier	
Sectio	on V. Special Conditions of Contract	23
Sectio	on VI. Schedule of Requirements	27
Sectio	on VII. Technical Specifications	29
Sectio	on VIII. Checklist of Technical and Financial Documents	32

# 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.

### Notes on the Invitation to Bid

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria (*e.g.*, the application of a margin of preference in bid evaluation).

The IB should be incorporated in the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.



#### **QUEZON CITY GOVERNMENT** BAC – GOODS AND SERVICES



### **INVITATION TO BID**

February 28, 2022

ITEM NO.	P.R. / PROJECT NO.	OFFICE	PROJECT NAME	AMOUNT	SOURCE OF FUND	DELIVERY PERIOD
1	OCM-22-PHB-294	OFFICE OF THE CITY MAYOR	TRANSPARENT WATERPROOF BAG	P 11,099,970.00	GENERAL FUND	30 CD
2	OCM-22-CS1-325	OFFICE OF THE CITY MAYOR	FOOD AND DRINKS	P 123,500,000.00	GENERAL FUND	6 MONTHS
3	OCM-22-OESC-327	OFFICE OF THE CITY MAYOR	TONERS AND OTHERS	P 13,122,233.88	GENERAL FUND	30 CD
4	OCM-22-JS2-340	OFFICE OF THE CITY MAYOR	ALCOHOL	P 10,999,000.00	GENERAL FUND	30 CD
5	NDH-21-OE-610	NOVALICHES DISTRICT HOSPITAL	NETWORK INFRASTRUCTURE EQUIPMENT AND OTHERS	P 6,963,391.54	GENERAL FUND	90 CD
6	NDH-22-SERVICES- 102B	NOVALICHES DISTRICT HOSPITAL	BIOMEDICAL WASTE DISPOSAL	P 1,562,490.00	GENERAL FUND	9 MONTHS
7	CLPP-22- FOODSTUFF-264	COMMITTEE ON LEGISLATIVE PROGRAMS AND PROJECTS	RICE	P 9,798,580.00	GENERAL FUND	30 CD
8	OVM-22-GI2-267	OFFICE OF THE VICE MAYOR	VARIOUS GROCERY ITEMS	P 45,462,164.00	GENERAL FUND	30 CD
9	OVM-22- GARMENTS-268	OFFICE OF THE VICE MAYOR	T-SHIRT	P 12,600,000.00	GENERAL FUND	30 CD
10	OVM-22-TA-269	OFFICE OF THE VICE MAYOR	SUPPLY AND DELIVERY OF FLORAL WREATH	P 4,000,000.00	GENERAL FUND	9 MONTHS
11	OVM-22-MSLI-270	OFFICE OF THE VICE MAYOR	COVID PROTECTIVE KIT	P 8,599,960.00	GENERAL FUND	30 CD
12	OVM-22-PCP1-271	OFFICE OF THE VICE MAYOR	HYGIENE KIT	P 5,000,000.00	GENERAL FUND	30 CD
13	OVM-22-EMS-266	OFFICE OF THE VICE MAYOR	BACKPACK WITH SCHOOL SUPPLIES	P 1,999,400.00	GENERAL FUND	30 CD
14	CGSD-22-SERVICES- 345	CITY GENERAL SERVICES DEPARTMENT	SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF ENTERPRISE ASSET MANAGEMENT SYSTEM	P 26,676,693.80	GENERAL FUND	1 YEAR
15	LIGA-22-JS2-273	LIGA NG MGA BARANGAY	PROCUREMENT OF ALCOHOL	P 3,956,850.00	GENERAL FUND	15 CD
16	HEALTH-22- SERVICES-087B	QUEZON CITY HEALTH DEPARTMENT	BIOMEDICAL WASTE DISPOSAL	P 904,500.00	GENERAL FUND	9 MONTHS
17	SSDD-22-GI2-291	SOCIAL SERVICES DEVELOPMENT DEPARTMENT	SUPPLY AND DELIVERY OF BASIC FOOD PACK FOR INDIGENT FAMILIES	P 128,393,936.50	GENERAL FUND	30 CD
18	SDO-22-PS2-274	SCHOOLS DIVISION OFFICE	DIPLOMA HOLDER	P 12,750,000.00	GENERAL FUND	30 CD
19	ITDD-22-0E-231	INFORMATION TECHNOLOGY DEVELOPMENT DEPARTMENT	RACKMOUNT SERVER AND OTHERS	P 12,818,148.60	GENERAL FUND	60 CD
20	QCADAC-22-CS1-304	QUEZON CITY ANTI-DRUG ABUSE ADVISORY COUNCIL	FOOD AND DRINKS	P 3,260,000.00	GENERAL FUND	6 MONTHS
21	QCADAC-22- GARMENTS-303	QUEZON CITY ANTI-DRUG ABUSE ADVISORY COUNCIL	T-SHIRT WITH PRINT	P 1,330,000.00	GENERAL FUND	30 CD
22	QCADAC-22-PCP1- 302	QUEZON CITY ANTI-DRUG ABUSE ADVISORY COUNCIL	COVID KITS	P 1,500,000.00	GENERAL FUND	30 CD
23	GF-20-11-02113B	CITY TREASURER'S OFFICE	MOTOR VEHICLE	P 1,215,000.00	GENERAL FUND	30 CD
24	SDO-22-GM-275	SCHOOLS DIVISION OFFICE	PREPAID LOAD CARDS FOR ELEMENTARY TEACHERS	P 26,325,000.00	SPECIAL EDUCATION FUND	30 CD

IB FOR MARCH 21, 2022

- 1. The *QUEZON CITY LOCAL GOVERNMENT*, through the *General Fund of various years* intends to apply the sums stated above being the ABC to payments under the contract for *the above stated projects* of contract for each lot/item. Bids received in excess of the ABC shall be automatically rejected at bid opening.
- 2. The *QUEZON CITY LOCAL GOVERNMENT* now invites bids for various *Projects*. Delivery of the Goods is required *as stated above*. Bidders should have completed, within *the last three (3) years* from 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) No. 9184.
  - a. 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 No. 5183.
- 4. Prospective Bidders may obtain further information from *QUEZON CITY GOVERNMENT Bids and Awards Committee (BAC) Secretariat* and inspect the Bidding Documents at the address given below during weekdays from 8:00 a.m. - 5:00 p.m.
- 5. A complete set of Bidding Documents may be acquired by interested Bidders on *Tuesday, March 01*, 2022 from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.

#### STANDARD RATES:

Approved Budget for the Contract	Maximum Cost of Bidding Documents (in Philippine Peso)
More than 500,000 up to 1 Million	1,000.00
More than 1 Million up to 5 Million	5,000.00
More than 5 Million up to 10 Million	10,000.00
More than 10 Million up to 50 Million	25,000.00
More than 50 Million up to 500 Million	50,000.00
More than 500 Million	75,000.00

The following are the requirements for purchase of Bidding Documents;

- 1. PhilGEPS Registration Certificate (Platinum 3 pages)
- 2. Document Request List (DRL)
- 3. Authorization to Purchase Bidding Documents
  - 3.1 Corporate Secretary Certificate for corporation (specific for the project)3.2 Special Power of Attorney for single proprietorship (specific for the project)
- 4. Notarized Joint Venture Agreement (as applicable)
- 6. The Quezon City Local Government will hold a Pre-Bid Conference on 10:30 A.M. of Tuesday, March 8, 2022 at 2<sup>nd</sup> Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound, and/or through video conferencing via Zoom which shall be open to prospective bidders.

Topic: BAC-GOODS Pre Bid Conference Meeting Join Zoom Meeting https://us02web.zoom.us/j/84835002246?pwd=OVRuVE0weXZMNXYwZG5LaWd1dXk1QT09

Meeting ID: 848 3500 2246 Passcode: 154733

7. Bids must be duly received by the BAC Secretariat through manual submission at the 2<sup>nd</sup> Floor, Procurement Department, Finance Building, Quezon City Hall Compound on or before 11:00 A.M. of Monday, March 21, 2022. Late bids shall not be accepted.

IB FOR MARCH 21, 2022

- 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 1:00 P.M. of Monday, March 21, 2022 at the given address below and/or via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Topic: BAC-GOODS & SERVICES BIDDING Join Zoom Meeting https://us02web.zoom.us/j/85850855933?pwd=R2dZUUp4Z3lyU29iZGV1WmdKRjZCdz09

Meeting ID: 858 5085 5933 Passcode: 118682

- 10. The *Quezon City Local Government* 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 No. 9184, without thereby incurring any liability to the affected bidder or bidders.
- 11. For further information, please refer to:

ATTY. DOMINIC B. GARCIA OIC, Procurement Department 2<sup>nd</sup> Floor, Procurement Department, Finance Building, Quezon City Hall Compound Elliptical Road, Barangay Central Diliman, Quezon City. Email Add: <u>bacgoods.procurement@quezoncity.gov.ph</u> Tel. No. (02)8988-4242 loc. 8506/8710 Website: <u>www.quezoncity.gov.ph</u>

12. You may visit the following websites:

For downloading of Bidding Documents: www.quezoncity.gov.ph

By:

Digitally signed by Santos Ma Margarita Trinidad Date: 2022.02.28 19:41:54 +08'00'

MA. MARGARITA T. SANTOS Chairperson, QC-BAC-Goods and Services

### Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

#### 1. Scope of Bid

The Procuring Entity, **Quezon City Local Government** *wishes* to receive Bids for the **PROCUREMENT OF RACKMOUNT SERVER AND OTHERS** with identification number **PROJECT NO. ITDD-22-OE-231.** 

[Note: The Project Identification Number is assigned by the Procuring Entity based on its own coding scheme and is not the same as the PhilGEPS reference number, which is generated after the posting of the bid opportunity on the PhilGEPS website.]

The Procurement Project (referred to herein as "Project") is composed of **Twenty-Four (24)** *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 Twelve Million Eight Hundred Eighteen Thousand One Hundred Forty Eight Pesos and 60/100 Only (Php 12,818,148.60).
- 2.2. The source of funding is:
  - *a.* LGUs, the Annual or Supplemental Budget, as approved by the Sanggunian.

#### **3.** Bidding Requirements

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.

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.

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 exceeding those allowed under the rules may participate pursuant to:
  - i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
  - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
  - iii. When the Goods sought to be procured are not available from local suppliers; or
  - iv. When there is a need to prevent situations that defeat competition or restrain trade.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
  - a. For the procurement of Non-Expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

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#### 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 either at its physical address and/or through videoconferencing as 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 *the last three* (3) 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, exwarehouse, ex-showroom, or off-the-shelf, as applicable);
    - ii. The cost of all customs duties and sales and other taxes already paid or payable;
    - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
    - iv. The price of other (incidental) services, if any, listed in e.
  - b. For Goods offered from abroad:
    - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
    - ii. The price of other (incidental) services, if any, as listed in Section VII (Technical Specifications).

#### **13. Bid and Payment Currencies**

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

#### 14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration<sup>1</sup> 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 *in no case shall exceed One Hundred Twenty (120) calendar days from the date of opening of bids, unless duly extended by the bidder upon the request of the Head of the Procuring Entity (HoPE) of the Quezon City Local Government.* Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

<sup>&</sup>lt;sup>1</sup> In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

#### 15. Sealing and Marking of Bids

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

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.

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 through manual 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 shall be indicated in **Section VII** (**Technical Specifications**), although 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 follows:

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**.

### Notes on the Bid Data Sheet

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

ITB	
Clause	
5.3	For this purpose, contracts similar to the Project shall be:
	a. A single contract similar to <b>the item/s to be bid</b> and must be at least <b>FIFTY PERCENT (50%)</b> of the ABC.
	b. Completed within the last three (3) years prior to the deadline for the submission and receipt of bids substantially in a FORM prescribed by the QC-BAC-GOODS AND SERVICES, must be accompanied by a copy of Certificate of Acceptance by the end-user or Official Receipt (O.R) or Sales Invoice (S.I.) issued for the Contract.
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted DDP <i>within Quezon City</i> 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 <i>Php256,362.98</i> or equivalent to two percent (2%) of ABC if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or
	<ul> <li>b. The amount of not less than <i>Php640,907.43</i> or equivalent to five percent (5%) of ABC if bid security is in Surety Bond.</li> </ul>
19.3	[In case the Project will be awarded by lot, list the grouping of lots by specifying the group title, items, and the quantity for every identified lot, and the corresponding ABC for each lot.]
	[In case the project will be awarded by item, list each item indicating its quantity and ABC.]
20.2	List of required licenses and permits relevant to the Project and the corresponding law requiring it.
	No additional requirement
21.2	Additional required documents relevant to the Project that are required by existing laws and/or the Procuring Entity.
	<ul> <li>Authority to sell from the manufacturer or authorized/exclusive distributor of the duplicating machine being offered which includes full guarantee on the availability of parts after sales warranty</li> <li>Statement of Warranty – Minimum of One (1) Year – Parts and Services</li> </ul>
L	

# Section IV. General Conditions of Contract

### Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special 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

### Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Goods purchased. In preparing this Section, the following aspects should be checked:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

# **Special Conditions of Contract**

GCC Clause	
1	[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted amended, or retained depending on its applicability to this Contract:]
	Delivery and Documents –
	For purposes of the Contract, "EXW," "FOB," "FCA," "CIF," "CIP," "DDF and other trade terms used to describe the obligations of the parties shall hav the meanings assigned to them by the current edition of INCOTERMS publishe by the International Chamber of Commerce, Paris. The Delivery terms of th Contract shall be as follows:
	[For Goods supplied from abroad, state:] "The delivery terms applicable to the Contract are DDP delivered [indicate place of destination]. In accordance with INCOTERMS."
	[For Goods supplied from within the Philippines, state:] "The delivery term applicable to this Contract are delivered [indicate place of destination]. Ris and title will pass from the Supplier to the Procuring Entity upon receipt ar final acceptance of the Goods at their final destination."
	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).
	For purposes of this Clause the Procuring Entity's Representative at the Proje Site is <i>[indicate name(s)]</i> .
	Incidental Services –
	The Supplier is required to provide all of the following services, includin additional services, if any, specified in Section VI. Schedule of Requirements: <i>Select appropriate requirements and delete the rest.</i>
	a. performance or supervision of on-site assembly and/or start-up of th supplied Goods;
	<ul> <li>b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>c. furnishing of a detailed operations and maintenance manual for each supplied for each supplied for a detailed operations.</li> </ul>
	<ul> <li>appropriate unit of the supplied Goods;</li> <li>d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provide that this service shall not relieve the Supplier of any warran obligations under this Contract; and</li> </ul>
	e. training of the Procuring Entity's personnel, at the Supplier's pla and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
	f. [Specify additional incidental service requirements, as needed.] The Contract price for the Goods shall include the prices charged by th Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

#### Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

Select appropriate requirements and delete the rest.

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
  - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
  - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI** (**Schedule of Requirements**) and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of [indicate here the time period specified. If not used indicate a time period of three times the warranty period].

Spare parts or components shall be supplied as promptly as possible, but in any case, within [*insert appropriate time period*] months of placing the order.

#### 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
	Any relevant ITALETIENT 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 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.
2.2	[If partial payment is allowed, state] "The terms of payment shall be as follows:
4	The inspections and tests that will be conducted are: <i>Product Presentation/Demonstration/Site Inspection, if applicable.</i>

# Section VI. Schedule of Requirements

### PROJECT NAME: PROCUREMENT OF RACKMOUNT SERVER AND OTHERS PROJECT NO. ITDD-22-OE-231

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

ltem Number	Description	Unit of Issue	Quantity	Delivered, Weeks / Months
1	DESKTOP COMPUTER i7	Unit	1	
	Minimum Specifications:			
	Intel Core i7-9700 or its equivalent benchmark processor			
	w/ provision for 25 pin parallel rear ports 2x16GB DDR4ram;			
	2TB hard disk,			
	MS Windows 11 prof. 64bit			
	OS genuine Microsoft,			
	MS Office 2019 Home and Student,			
	graphics: 2GB GDDR5;			
	OOD 16X super multi DVDRW SATA DD,			
	23.6-inches LED Backlit LCD Monitor;			
	compatible wired keyboard and mouse			
	(Same brand);			
	Ethernet Integrated 100/1000M;			
	Media Reader 7-in-1 Card Reader,			
	WLAN + Bluetooth: 11ac, 2x2 + BT4.0;			
	Power Supply: 180W 85% Energy Star; UPS 650va;			
2	One (1) Year Warranty. ALL-IN-ONE ENTERPRISE SECURITY GATEWAY &	Unit	1	
Z	NETWORK APPLIANCE	Unit	1	
	(100% Compatible with The Existing Equipment)			
	Minimum Specifications:			
	All-in-one 1U rack appliance for small to medium sized			
	businesses;			Within
	with 8-port switch and security gateway Protect video			Sixty (60)
	surveillance NVR with off-the-shelf 3.5 HDD support;			Calendar
	8-port Gigabit Switch with 1Gbps RJ45			Days
	and 10G SFP+ LAN;			Upon
	Enterprise-class IPS/IDS.			Issuance
	DPI, and Wi-Fi AI capabilities;			of Notice
	Powered by fast 1.7 GHz quad core processor;			to
	With Mounting Kits			Proceed
3	BANDWIDTH MANAGER HOTSPOT ROUTER	Unit	1	
	(100% Compatible with The Existing Equipment)			
	Minimum Specifications:			
	1 X 10/100/1000 Ethernet Ports			
	12 SFP+ Port – Bandwidth Manager Hotspot Router			
	2 x 25G SFP28 ports			
	Serial console port - RJ45			
4	LAN TONER TRACER AND PROBE	Unit	1	
	Minimum Specifications:			
	Ends network cable location confusion, decisively rejects			
	noise and false signals.			
	Network cable tracer locates cables on active networks, even			
	when terminated at a switch.			
	Isolates cable and wiring within a bundle despite cable bleed.			
	Confirms cable location, verifies cable continuity, and detects			
	cable faults (opens, shorts, and reversed pairs) in one site;			
	Probe has built-in pair tester to identify open, shorted crossed			
	pairs;			
	Signal strength indicator LEDs so you can help identity one			

Schedule of Requirements Page 1 of 6

	cable that is bundled with other cables, analog toning technology; Isolates individual wire pairs precisely by changing tone when			
	shorted; Effectively traces and locates voice, audio. and video cabling Safety: EN 61010-1. Category, None; Altitude: 3000 m; EMC: EN 61326-1, FCC Part 15 B;			
	Battery type and lite: 9 V alkaline (NEDA 1604A or IEC 6LR61); 20 hours typical: TONER SPECS:			
	Display: LED; Control: Thumbwheel switch; Toner interface: Main Mod8 port or lone generation on all 4 pairs of UTP / STP cabling. F Connector for coaxial cabling Banana Jack Plugs (2) - two conductor wiring; Toner			
	frequency: signal: encoded digital signal; Analog signal: 500-1200Hz, 4 songs; Output power: 5 V p-p Auto power down: Turns off automatically after 2 ½ hours of			
	inactivity; Display: (8) LED indicators, Sync LED indicator Audio: Microprocessor controlled audio			
	files; Analog: Detected toner signal; Control; Thumbwheel switch, volume control wheel; Tone detection: Detects digital signal for Locate, Isolate, and			
	Cable Map; Detects analog signal (500-1200HZ) and other analog toners. Toner interface: Main Mod8 port for cable map on all 4 pairs UTP/STP cabling,			
	Auto power down: Turns off automatically after 1 hour of inactivity 1 Year Manufacturer Warranty			Within Sixty (60) Calendar
5	48PORTS LAYER 2 SWITCHES WITH 2X 10GB UPLINK PORTS (100% Compatible with the Existing Equipment) <i>Minimum Specifications:</i>	Unit	15	Days Upon Issuance
6	48 Ports switch with 2Ports 10GB Uplink, Gigabit; Ethernet Ports48 x 10/100/1000+ 2x SFP+ 24 PORT POE AT/AF ETHERNET SWITCH WITH 4 SFP+	Unit	1	of Notice to Proceed
0	FIBER PORTS (100% Compatible with the Existing Equipment) Minimum Specifications:	OTIM	I	
	PoE-out ports: Ether1-Ether24 PoE out: 802.3af/at Max out per port output (input 18-30 V): 1000 mA			
	Max out per port output (input 30-57 V): 450 mA Max total out (A): 20 A 10/100/1000 Ethernet ports: 24 SFP+ ports: 4			
7	Serial console port: RJ45 <b>MULTIMODE FIBER PATCH CORD – 3 meters</b> SC-LC Fiber Patch Cord Duplex 10G Om4, Multimode	Roll	5	
8	3M 1 Year Warranty SINGLE MODE FIBER PATCH CORD – 3 meters SC-LC Fiber Patch Cord Duplex Single mode	Roll	5	
9	3M 1 Year Warranty <b>10M Single Mode Fiber Patch Cord – 10 meters</b> SC-LC Fiber Patch Cord, Duplex Single mode 10M 1 Year Warranty	Roll	6	
10	BANDWIDTH MANAGER <u>Minimum Specifications:</u> Details: Architecture TILE;	Unit	1	
	CPU core count 72; CPU nominal frequency 1 GHz; Router OS license 6;			

11	Operating System Router OS Size of RAM 16 GB; Storage size 128 MB; Storage type NAND; MTBF Approximately 200'000 hours at 25C Tested ambient temperature -20°C to 60°C; IPsec hardware acceleration Yes Powering: Details: Number of AC inputs 2; AC input range 100-240; Max power consumption 125 W; FAN count 4 Ethernet Details: 10/100/1000 Ethernet ports 1 Fiber Details: SFP+ ports 8; Peripherals Details: SFP+ ports 8; Peripherals Details: Memory card type microSD, 2x M.2; Memory Cards 3; Serial port RJ45; Number of USB ports 2 USB Power Reset Yes; USB slot type micro-USB type AB; USB type A Max USB current (A) 1 Smart card slot Yes Certification & Approvals Details: Certification CE, EAC, ROHS; 1 Year Warranty; 100% Compatible with the existing equipment <b>WIFI ACCESS POINT</b> <i>Minimum Specifications:</i> Wi-Fi 802.11ac, 3x3 MIMO Access Point Environment: Indoor/Outdoor 2.4GHz Speed: 450 Mbps SGhz Speed: 1300 Mbps PoE Model: 802.3af PoE/802.3at PoE+	Unit	18	Within Sixty (60) Calendar Days Upon Issuance of Notice
12	Ports: (2) 10/100/1000 Ethernet Optical Fiber Connector Cleaner / Fiber Connector Cleaning	Unit	4	to
13	Cassette 12 PORT GIGABIT ROUTER WITH SFP SLOT	Unit	1	Proceed
	Minimum Specifications:         Processor SpecsAL32400 1700 MHz         Size of RAM 4GB         Storage Size128 MB         Storage Type NAND         Operating System Router OS         Tested ambient temperature-20°C to 60°C         ETHERNET         10/100/1000 Ethernet ports1         FIBER         SFP+ ports12 SFP28 ports 2         POWERING         Power Supply AC power supply 100 - 240 V         Supported Input Voltage Range 100 to 240VAC         Max power consumption without attachments 32 W         Max Power Consumption 49 W         100% compatible with existing equipment	Unit		
14	WIFI ROUTER         Minimum Specifications:         HARDWARE         Processor1.8 GHz 64 Bit Quad-Core CPU         Ethernet Ports1× 2.5 Gbps WAN Port         8× Gigabit LAN Ports         SECURITY         Wi-Fi Encryption WPA         WPA3         100% compatible with existing equipment	Unit	2	

15	RJ45 CRIMP TOOL	Unit	1	
	Pass Through Cutter			-
16	DOCUMENT CAMERA	Unit	1	
	Minimum Specifications: Recording rate: 30 frames per second			
	3M pixel CMOS sensor			
	Zoom: 16X total zoom			
	(2X AVerZoom™ + 8X digital zoom)			
	Supports 1280 x 720 output resolution			
	700 TV line resolution			
	Display modes: sharp / graphic / motion / microscope			
	Focus: auto / manual			
	Image effects: color / b&w / negative / mirror / freeze Image rotation: electronic rotation 0° / 90° / 180° / 270°			
	Capture mode: single / continuous			
	Shooting area: 420 x 297 mm (A3 landscape) max.			
17	24 PORT GIGABIT ETHERNET SWITCH WITH TWO SFP+	Unit	2	
	PORTS IN 1U RACKMOUNT CASE			
	Minimum Specifications:			
	Storage size:2 MB			
	Storage type: FLASH			
	10/100/1000 Ethernet ports:24			
	PoE in: Passive PoE PoE in input Voltage:10-30 V			
	Number of DC inputs:2 (PoE-IN, DC jack)			
	DC jack input Voltage:10-30 V			
	100% Compatible with the existing equipment			
18	DESOLDERING PUMP (Vacuum Aluminum)	Unit	2	1
	Minimum Specifications:			
	Double oil seal design, double air leakage protection, better			Within
	gas density, less leakage, internal spring adopts back pull			Sixty (60)
	type design, instant suction holding force, suction force up to			Calendar
	32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip,			Days
	economical, easy to operate, easy to clean			Upon
19	Rack Mount Server	Unit	1	Issuance
	Minimum Specifications:		-	of Notice
	2x Intel Xeon Platinum, 16C/32T,			to
	10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666			Proceed
	2 x Additional Processor Selected or its equivalent benchmark			
	processor Group Manager, Enabled			
	Factory Generated Password			
	Operating System: Microsoft® Windows Server® STD 2019			
	(License Per Core, 12 Core)			
	2.5 Chassis up to 24 Drives (24x SAS/SATA), GPU Capable			
	Configuration, 2 or 4			
	CPU Configuration			
	2U LCD			
	Riser Config1, 4 PCIe slots (2 x16 Full height GRAPHICS			
	slots + 2 x16 Low profile), GPU capable			
	Shp Mtl			
	Quick Sync 2 (At-the-box mgmt)			
	3200MT/s RDIMMs			
	Performance Optimized			
	32 x 64GB RDIMM, 3200MT/s, Dual Rank			
	12 x 2.4TB 10K RPM SAS ISE 12Gbps 512e 2.5in Hot-plug			
	Hard Drive BOSS controller card + with 2 M.2 Sticks 240G (RAID 1),LP			
	RAID Controller, 8GB NV Cache, Adapter, Low Profile			
	Performance BIOS Settings			
	4 CPU (GPU Ready)			
	No Internal Optical Drive			
20	40kva Modular Rackmount UPS	Unit	1	1
20		Onit	•	
20	<u>Minimum Specifications:</u> Hot-swappable batteries; Modular design;	Onic	I	

Battery replacement without tools;	
Output: Max Configurable Power (Watts): 32.0kWatts / 40.0kVA;	
Output Voltage Note:	
Configurable for 380: 400 or 415 V 3 Phase nominal output voltage;	
Communications & Management;	
Interface Port(s): DB-9 RS-232, SmartSlot;	
Control panel: Multifunction LCD status and control console; Audible Alarm: Audible and visible alarms: configurable	
delays; Locking cabinet: Prevents unauthorized access to the	
UPS.; Includes:	
CD with software, Installation guide, Network management	
card, Power modules ship installed, Smart UPS signaling RS- 232 cable, Startup included, User manual; C-Tick, CE, EN	
50091-2, EN/IEC 62040-3, IEC 61000-3-2, IEC 61000-3-3,	
ISO 14001, ISO 9001, RCM, VFI-SS-111; 1 year repair or replace, Start-Up Service	
21 Gigabit desktop Network Switch Unit 5	
(100% Compatible with The Existing Equipment) Minimum Specifications:	
(16 port)	
Unmanaged 16 Port Gigabit 10/100/1000 Mbps; IEEE 802.3 10BASE-T	
Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE	
T Gigabit Ethernet, IEEE 802.3z Gigabit Ethernet, IEEE	
802.3x Flow Control, 802.1p priority, Energy Efficient Ethernet LED Indicators:	Within
System/PWR, link/activity, 100M*, cable diagnostics, loop	Sixty (60)
detection. gigabit mini-GBIC if present, Ports: 16 RJ-45 connectors for 100BASE-TX/1000BASE-T ports; Switching	Calendar Days
capacity: 32 GBS; Power supply: 110-240VAC; 1 Year	Upon
Warranty     Unit       22     Gigabit Ethernet Switch Ethernet     Unit	Issuance of Notice
(100% Compatible with The Existing Equipment)	to
Minimum Specifications: Fiber Optical Media Converter	Proceed
Single Mode 2-Port RJ45 2 Port	
Optical 1.25G Fiber Converter	
The Gigabit 1G2E is an Ethernet Fiber Switch which is specially designed for network monitoring.	
It has 2*10/100/1000Mbps Ethernet ports and 1*1.25Gbps	
fiber ports. It extends the transmission distance of a network from 100m	
to 120km via copper cables.	
to 120km via copper cables. It can extend the transmission distance; there are also many other advantages such as isolation	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy	
It can extend the transmission distance; there are also many other advantages such as isolation	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy maintenance: Support the switch between 10/100/100Base-TXand 1000Base-SX/LX; 1*1.25Gbps full-duplex fiber ports and	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy maintenance: Support the switch between 10/100/100Base-TXand	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy maintenance: Support the switch between 10/100/100Base-TXand 1000Base-SX/LX; 1*1.25Gbps full-duplex fiber ports and 2*1000M Ethernet ports with auto-negotiation function: Support 1000M speed rate, MDI/MDIX and half/full-duplex with auto-negotiation function: Each port has the complete	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy maintenance: Support the switch between 10/100/100Base-TXand 1000Base-SX/LX; 1*1.25Gbps full-duplex fiber ports and 2*1000M Ethernet ports with auto-negotiation function: Support 1000M speed rate, MDI/MDIX and half/full-duplex with auto-negotiation function: Each port has the complete LED Indicator light Support single mode single fiber. single mode dual fiber multi-mode dual fiber and SFP slot	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy maintenance: Support the switch between 10/100/100Base-TXand 1000Base-SX/LX; 1*1.25Gbps full-duplex fiber ports and 2*1000M Ethernet ports with auto-negotiation function: Support 1000M speed rate, MDI/MDIX and half/full-duplex with auto-negotiation function: Each port has the complete LED Indicator light Support single mode single fiber. single mode dual fiber multi-mode dual fiber and SFP slot Support	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy maintenance: Support the switch between 10/100/100Base-TXand 1000Base-SX/LX; 1*1.25Gbps full-duplex fiber ports and 2*1000M Ethernet ports with auto-negotiation function: Support 1000M speed rate, MDI/MDIX and half/full-duplex with auto-negotiation function: Each port has the complete LED Indicator light Support single mode single fiber. single mode dual fiber multi-mode dual fiber and SFP slot Support IEEE802.1d Spanning Tree; Support high performance QoS function on each	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy maintenance: Support the switch between 10/100/100Base-TXand 1000Base-SX/LX; 1*1.25Gbps full-duplex fiber ports and 2*1000M Ethernet ports with auto-negotiation function: Support 1000M speed rate, MDI/MDIX and half/full-duplex with auto-negotiation function: Each port has the complete LED Indicator light Support single mode single fiber. single mode dual fiber multi-mode dual fiber and SFP slot Support IEEE802.1d Spanning Tree; Support high performance QoS function on each port Support 5-16V voltage input:	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy maintenance: Support the switch between 10/100/100Base-TXand 1000Base-SX/LX; 1*1.25Gbps full-duplex fiber ports and 2*1000M Ethernet ports with auto-negotiation function: Support 1000M speed rate, MDI/MDIX and half/full-duplex with auto-negotiation function: Each port has the complete LED Indicator light Support single mode single fiber. single mode dual fiber multi-mode dual fiber and SFP slot Support IEEE802.1d Spanning Tree; Support high performance QoS function on each port Support 5-16V voltage input: Support IEEE 802.3x flow control and back pressure control: Plug and Play; 1 Year Warranty	
It can extend the transmission distance; there are also many other advantages such as isolation protection. good data security, working stability and easy maintenance: Support the switch between 10/100/100Base-TXand 1000Base-SX/LX; 1*1.25Gbps full-duplex fiber ports and 2*1000M Ethernet ports with auto-negotiation function: Support 1000M speed rate, MDI/MDIX and half/full-duplex with auto-negotiation function: Each port has the complete LED Indicator light Support single mode single fiber. single mode dual fiber multi-mode dual fiber and SFP slot Support IEEE802.1d Spanning Tree; Support high performance QoS function on each port Support 5-16V voltage input: Support IEEE 802.3x flow control and back pressure control:	

24	CPU core count: 2; Size of RAM: 1 GB; 10/100/1000 Ethernet ports: 10; Number of USB ports: 1; Power Jack: 1; Voltage Monitor: Yes; PCB temperature monitor: Yes; Operating System: Router OS; CPU: IPQ-8064-0-519FCBGA-TR-01-0; Max Power consumption: 10W; SFP ports: 1; USB slot type: USB 3.0 type A; Serial port: RJ45; Storage type: NAND; Storage size: 128 MB; 1 Year Warranty <b>4 Port Gigabit SOHO Router</b> Architecture MMIPS; CPU MT7621A; CPU core count: 2; CPU nominal frequency 880 MHz; CPU Threads count: 4; Operating System: Router OS; Size of RAM: 256 MB; Storage size: 16 MB; Storage type: FLASH; 10/100/1000 Ethernet ports: 5; 1 Year Warranty ***Nothing Follows***	Unit	1	Within Sixty (60) Calendar Days Upon Issuance of Notice to Proceed
	***Nothing Follows***			

I hereby certify to comply and deliver all the above requirements.

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of:

#### Notes for Preparing the Technical Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

#### Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words "*or at least equivalent*." References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

# **Technical Specifications**

### PROJECT NAME: PROCUREMENT OF RACKMOUNT SERVER AND OTHERS PROJECT NO. ITDD-22-OE-231

Item	Specification	Statement of Compliance
		[Bidders must state here 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 Bidder's 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 applicable laws and issuances.]
A.1	DESKTOP COMPUTER i7 <u>Minimum Specifications:</u> Intel Core i7-9700 or its equivalent benchmark processor w/ provision for 25 pin parallel rear ports 2x16GB DDR4ram; 2TB hard disk, MS Windows 11 prof. 64bit OS genuine Microsoft, MS Office 2019 Home and Student, graphics: 2GB GDDR5; OOD 16X super multi DVDRW SATA DD, 23.6-inches LED Backlit LCD Monitor; compatible wired keyboard and mouse (Same brand); Ethernet Integrated 100/1000M; Media Reader 7-in-1 Card Reader, WLAN + Bluetooth: 11ac, 2x2 + BT4.0; Power Supply: 180W 85% Energy Star; UPS 650va; One (1) Year Warranty.	
2	ALL-IN-ONE ENTERPRISE SECURITY GATEWAY & NETWORK APPLIANCE (100% Compatible with The Existing Equipment) <u>Minimum Specifications:</u> All-in-one 1U rack appliance for small to medium sized businesses; with 8-port switch and security gateway Protect video surveillance NVR with off-the-shelf 3.5 HDD support; 8-port Gigabit Switch with 1Gbps RJ45 and 10G SFP+ LAN; Enterprise-class IPS/IDS. DPI, and Wi-Fi AI capabilities; Powered by fast 1.7 GHz quad core processor; With Mounting Kits	
3	BANDWIDTH MANAGER HOTSPOT ROUTER         (100% Compatible with The Existing Equipment) <u>Minimum Specifications:</u> 1 X 10/100/1000 Ethernet Ports         12 SFP+ Port – Bandwidth Manager Hotspot Router         2 x 25G SFP28 ports         Serial console port - RJ45	

4	LAN TONER TRACER AND PROBE	
	Minimum Specifications:	
	Ends network cable location confusion, decisively rejects	
	noise and false signals.	
	Network cable tracer locates cables on active networks,	
	even when terminated at a switch.	
	Isolates cable and wiring within a bundle despite cable	
	bleed.	
	Confirms cable location, verifies cable continuity, and	
	detects cable faults (opens, shorts, and reversed pairs) in	
	one site;	
	Probe has built-in pair tester to identify open, shorted	
	crossed pairs;	
	Signal strength indicator LEDs so you can help identity	
	one cable that is bundled with other cables, analog toning	
	technology;	
	Isolates individual wire pairs precisely by changing tone	
	when shorted;	
	Effectively traces and locates voice, audio. and video	
	cabling	
	Safety: EN 61010-1. Category, None; Altitude: 3000 m;	
	EMC: EN 61326-1, FCC Part 15 B;	
	Battery type and lite: 9 V alkaline (NEDA 1604A or IEC	
	6LR61);	
	20 hours typical: TONER SPECS:	
	Display: LED; Control: Thumbwheel switch;	
	Toner interface: Main Mod8 port or lone generation on all	
	4 pairs of UTP / STP cabling. F Connector for coaxial	
	cabling Banana Jack Plugs (2) - two conductor wiring;	
	Toner frequency: signal: encoded digital signal;	
	Analog signal: 500-1200Hz, 4 songs;	
	Output power: 5 V p-p	
	Auto power down: Turns off automatically after 2 ½ hours	
	of inactivity;	
	Display: (8) LED indicators,	
	Sync LED indicator Audio: Microprocessor controlled	
	audio files;	
	Analog: Detected toner signal;	
	Control; Thumbwheel switch, volume control wheel;	
	Tone detection: Detects digital signal for Locate, Isolate,	
	and Cable Map;	
	Detects analog signal (500-1200HZ) and other analog	
	toners.	
	Toner interface: Main Mod8 port for cable map on all 4	
	pairs UTP/STP cabling,	
	Auto power down:	
	Turns off automatically after 1 hour of inactivity 1 Year Manufacturer Warranty	
	48PORTS LAYER 2 SWITCHES WITH 2X 10GB UPLINK	<u> </u>
5	PORTS	
1	(100% Compatible with the Existing Equipment)	
1	Minimum Specifications:	
	48 Ports switch with 2Ports 10GB Uplink, Gigabit;	
	Ethernet Ports48 x 10/100/1000+ 2x SFP+	
(	24 PORT POE AT/AF ETHERNET SWITCH WITH 4	
6	SFP+ FIBER PORTS	
	(100% Compatible with the Existing Equipment)	
	Minimum Specifications:	
	PoE-out ports: Ether1-Ether24	
	PoE out: 802.3af/at	
	Max out per port output (input 18-30 V): 1000 mA	
	Max out per port output (input 10 50 V): 1000 mA	
	Max total out (A): 20 A	
	10/100/1000 Ethernet ports: 24	
	SFP+ ports: 4	
	Serial console port: RJ45	
L	· · ·	

7	MULTIMODE FIBER PATCH CORD – 3 meters	
	SC-LC Fiber Patch Cord	
	Duplex 10G Om4, Multimode	
	3M 1 Year Warranty	
8	SINGLE MODE FIBER PATCH CORD – 3 meters	
	SC-LC Fiber Patch Cord	
	Duplex Single mode	
	3M 1 Year Warranty	
9	10M Single Mode Fiber Patch Cord – 10 meters	
	SC-LC Fiber Patch Cord, Duplex Single mode	
	10M 1 Year Warranty	
10	BANDWIDTH MANAGER	
	Minimum Specifications:	
	Details: Architecture TILE;	
	CPU core count 72;	
	CPU nominal frequency 1 GHz;	
	Router OS license 6;	
	Operating System Router OS	
	Size of RAM 16 GB;	
	Storage size 128 MB; Storage type NAND;	
	MTBF Approximately 200'000 hours at 25C	
	Tested ambient temperature -20°C to 60°C;	
1	IPsec hardware acceleration Yes	
1	Powering:	
	Powering:	
	Details: Number of AC inputs 2; AC input range 100-240; Max power consumption 125 W;	
	FAN count 4	
	FAN Coull 4	
	Ethernet	
	Details: 10/100/1000 Ethernet ports 1	
	Fiber	
	Details: SFP+ ports 8;	
	Peripherals	
	Details: Memory card type microSD, 2x M.2; Memory	
	Cards 3; Serial port RJ45; Number of USB ports 2	
	USB Power Reset Yes; USB slot type micro-USB type AB;	
	USB type A	
	Max USB current (A) 1	
	Smart card slot Yes	
	Certification & Approvals	
	Details: Certification CE, EAC, ROHS;	
	1 Year Warranty;	
	100% Compatible with the existing equipment	
11	WIFI ACCESS POINT	
1	Minimum Specifications:	
1	Wi-Fi 802.11ac, 3x3 MIMO Access Point	
	Environment: Indoor/Outdoor	
1	2.4GHz Speed: 450 Mbps	
1	5Ghz Speed: 1300 Mbps	
1	PoE Model: 802.3af PoE/802.3at PoE+ Ports: (2) 10/100/1000 Ethernet	
10	Optical Fiber Connector Cleaner / Fiber Connector	
12	Cleaning Cassette	
13	12 PORT GIGABIT ROUTER WITH SFP SLOT	
13	Minimum Specifications:	
	Processor SpecsAL32400 1700 MHz	
1	Size of RAM 4GB	
	Storage Size128 MB	
	Storage Type NAND	
	Operating System Router OS	
	Tested ambient temperature-20°C to 60°C	
	ETHERNET	
	10/100/1000 Ethernet ports1	
1	FIBER	
	SFP+ ports12 SFP28 ports 2	

POWERING         Power Supply AC power supply 100 - 240 V           Supported input Voltage Range 100 to 240VAC         Max Power Consumption 49 W           100% compatible with existing equipment         100% compatible with existing equipment           14         Minimum Scientifications: Humm Scientifications: Humm Scientifications: Humm Scientifications: Humm Scientifications: Humm Scientifications: Humm Scientifications: Humm Scientifications: BECURITY           15         R.45 CRIMP TOOL           Pease Through Cutter         10           16         DOCUMENT CAMERA Minimum Specifications: Recording rate: 30 frames per second 3M pixel CMOS sensor Zoom: 16K total zoom           200% compatible with existing equipment         15           17         Zaron: 16K total zoom (Za AVez Zoom) <sup>14+</sup> e8X digital zoom) Supports 1280 x 720 output resolution 700 TV line resolution Display modes: sharp / graphic / motion / microscope Focus: sharp / graphic / motion / microscope Pocus: sharp / graphic / motion			
Supported input Voitage Range 100 to 240VAC           Max Power Consumption 49 W           100% compatible with existing equipment           14         Minimum Specifications: HARDWARE           Processor1 8 GHz 64 Bit Quad-Core CPU           Ethernet Ports 1x 2.5 Gbps WAN Port Bx Gigabit LAN Ports SECURITY           SECURITY           WFA           100% compatible with existing equipment           15         R43 CRIMP TOOL           Pass Through Cutter           16         DOCMENT CAMERA           Minimum Specifications: Recording rate: 30 range per second 3M pixel CMOS sensor Zoom: 16X total zoom (ZX AVerZoom * 4 SX digital zoom) (ZX AVerZoom * 4 SX digital zoom) (Support 1280 x 720 output resolution 700 TV line resolution 700 TV line resolution 700 TV line resolution (9 / 90 / 180 / 270° Capture mode: single / continuous Shooting area: 420 x 297 mm (A3 landscape) max.           17         24 PORT GIGABET TEHERNET SWITCH WITH TWO SFP- PORTS IN 1U RACKMOUNT CASE Minimum Specifications: Storage size: 20 MB Storage type: FLASH 10/10/1000 Ethermet ports:24 PoE in input Voitage:10-30 V 100% Compatible with the existing equipment           18         DESOLDERING PUMP (Vacuum Aluminum) Minimum Specifications: Zx Intel Seen Flaxing mun, 16C/32T, 10.4GTKs, 22M Cache, Turbo, HT (125V) DDR4-2666 12 x Anditional Processor Selected or its equivalent benchmark processor Selected or sits equivalent benchmark processor Group Manager, Enabled Factory Generated Password		POWERING	
Max power consumption without attachments 32 W           Max power consumption 49 W           100% compatible with existing equipment           14         WiF ROUTER           Minimum Specifications:           HARWARE           Processort 8 GHz 64 Bit Quad-Core CPU           Ethernel Portst 2: 5 Gbps WAN Port           Bx Gigabit LAN Ports           SECURITY           WFA2           WPA3           100% compatible with existing equipment           15           R45 CRIMP TOOL           Pass Through Cutter           16           DOCUMENT CAMERA           Minimum Specifications:           Recording rate: 30 frames per second           3M pixel CMOS sensor           Zoom: 16X total zoom           Capture mode: single / continuous           Supports 1280 x 720 output resolution           Display modes: sharp / graphic / motor / freeza           Image effects: color / b&w / nagative / mirror / freeza           Image effects: color / b&w / agative / mirror / freeza           Image offects: color / b&w / nagative / mirror / freeza           Image straz: MB           Strage bysiz: MB           Strage bysiz: MB           Strage bysiz: MB           Strage bysiz: MB     <			
Max Power Consumption 49 W           10% compatible with existing equipment           14         Minimum Specifications; HARDWARE Processor1 8 GHz 64 Bit Quad-Core CPU Ethernet Ports1 x 2.5 Gbps WAN Port Bx Gigabit LAN Ports SECURITY W-FL Encryption WPA WPA2           17         R-MS CRIMP TOOL Pass Through Cutter           18         R-MS CRIMP TOOL Pass Through Cutter           19         R-MS CRIMP TOOL Pass Through Cutter           10         DOCMENT CAMERA Minimum Specifications; Recording rate: 30 frames per second 3M pixel CMOS sensor Zoom: 16X total zoom (ZX AVerZoom* + 8X digital zoom) (ZX AVerZoom* + 8X digital zoom) (ZX AVerZoom* + 8X digital zoom) Display modes: sharp / graphic / motion / microscope Focus: auto / manual Image effects: color / b&w / negative / mirror / freeze Image rotation: electronic rotation 0° / 90° / 180° / 270° Capture mode: single / continuous Shooting area: 420 x 297 mm (A3 landscape) max.           17         24 PORT GIGABET TELENERT SWITCH WITH TWO SFP- PORTS IN 1U RACKMOUNT CASE Minimum Specifications; Storage size: 27 MB Storage type: FLASH 10/10/1000 Ethernet ports: 24 PoE in input Voltage:10-30 V Number of DC inputs: 2(PoE-IN, DC jack) DC jack input Voltage:10-30 V Number of DC inputs: 2(PoE-IN, DC jack) DC jack input Voltage:10-30 V Number of DC inputs: 2(PoE-IN, DC jack) DC jack input Voltage:10-30 V Number of DC inputs: 2(PoE-IN, DC jack) DC jack input Voltage:10-30 V Number of DC inputs: 2(PoE-IN, DC jack) DC jack input Voltage:10-30 V Number of DC inputs: 2(PoE-IN, DC jack) DC jack input Voltage:10-30 V Number of DC jack input Notage: 10-30 V Number of D			
10% compatible with existing equipment           14         WiF ROUTER           Minimum Specifications: HARDWARE         For Construction (Construction)           Processor1.8 GHz 64 Bit Quad-Core CPU Ethernet Ports 1x.25 Gbps WAN Port & Gigabit LAN Ports         Science           SECURITY         WiFA           WPA3         WPA3           WPA3         WPA3           WPA3         WPA3           MO% compatible with existing equipment         16           16         Minimum Specifications: Recording state: 30 frames per second 30 yrised LMOS senses per yrised LMOS senses per second 30 yrised LMOS senses per yrised LMOS senses per second 30 yrised LMOS senses per yrised LMOS senses per second 30 yrised LMOS senses per yrised LMOS senses per second 30 yrised LMOS senses per yrised LMOS senses per second 31 yrised LMOS senses per yrised LMOS senses per yrised LMOS senses per yrised LMOS senses per yrised LM		Max power consumption without attachments 32 W	
14         WiFI ROUTER           HARDWARE         Processor 16 GHz 64 Bit Quad-Core CPU           Ethermer Fortst × 2.5 Gbps WAN Port         Bx           Bx Gigabit LAN Ports         SECURITY           WFA2         WPA3           100% compatible with existing equipment         1           13         RJ45 CRIMP TOOL           Pass Through Cutter         Pass Through Cutter           16         DOCUMENT CAMERA           Minitum Specifications:         Recording rate: 30 frames per second           3M pixel CMOS sensor         Zoom: 16X total zoom           200r: 16X total zoom         Supports 1280 x 720 output resolution           170         TV line resolution           Display modes: sharp / graphic / motion / microscope           Focus: auto / manual         Image effects: color / J&W / 169' / 190' / 190' / 270°           Capture mode: single / continuous         Shoroding area: 420. 287 mm (A3 landscape) max.           17         SFP-PORTS IN 1U RACKMOUNT CASE           Minimum Specifications:         Storage tyze: LMS           Storage tyze: LASH         40/10/1000 Ethernet ports: 24           POE in: Passive POE         POE in: passive POE           POE in: input Voitage: 10-30 V         Nomber of DC inputs: 2 (PeE-IN, DC jack)           DC isoCDERING CPUM Viscoum Alumin		Max Power Consumption 49 W	
14         WiFI ROUTER           HARDWARE         Processor 16 GHz 64 Bit Quad-Core CPU           Ethermer Fortst × 2.5 Gbps WAN Port         Bx           Bx Gigabit LAN Ports         SECURITY           WFA2         WPA3           100% compatible with existing equipment         1           13         RJ45 CRIMP TOOL           Pass Through Cutter         Pass Through Cutter           16         DOCUMENT CAMERA           Minitum Specifications:         Recording rate: 30 frames per second           3M pixel CMOS sensor         Zoom: 16X total zoom           200r: 16X total zoom         Supports 1280 x 720 output resolution           170         TV line resolution           Display modes: sharp / graphic / motion / microscope           Focus: auto / manual         Image effects: color / J&W / 169' / 190' / 190' / 270°           Capture mode: single / continuous         Shoroding area: 420. 287 mm (A3 landscape) max.           17         SFP-PORTS IN 1U RACKMOUNT CASE           Minimum Specifications:         Storage tyze: LMS           Storage tyze: LASH         40/10/1000 Ethernet ports: 24           POE in: Passive POE         POE in: passive POE           POE in: input Voitage: 10-30 V         Nomber of DC inputs: 2 (PeE-IN, DC jack)           DC isoCDERING CPUM Viscoum Alumin		100% compatible with existing equipment	
Minimum Specifications: HARDWARE         Processor 1.8 GHz 64 Bit Quad-Core CPU Etherner Porst x 2.5 Gbps WAN Port 8x Gigabit LAN Ports SECURITY         WFA2         WPA3         WPA3         WPA3         WPA3         Minimum Specifications: Recording rate: 30 frames per second 3M pixel CMOS sensor 22om: 16X total zoom (2X AVerZoom W+ 8K digital zoom) 30 ports 1280 x 720 output resolution 700 Pixer Commerciations: Recording rate: 30 frames per second 3M pixel CMOS sensor 22om: 16X total zoom (2X AVerZoom W+ 8K digital zoom) 30 ports 1280 x 720 output resolution 700 Pi line resolution 700 Pi line resolution / microscope Focus: auto / manual Image relation: electronic rolation 0° / 90° / 180° / 270° Capture mode: single / continuous 30 ports 1280 x 720 output resolution 700 PT GIGABET ETHERNET SWITCH WITH TWO 3FP+ PORTS IN URACKMOUNT CASE Minimum Specifications: Storage size: 220 K Storage size: 21 ME Storage type: FLASH 10/10/1000 Ethernet ports: 24 PoE in input Voltage: 10-30 V 100% Compatible with the existing equipment 18 DESUDERING PUMP (Vacuum Aluminum) Minimum Specifications: Double oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 25H_ocm, Soft non-silp handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Reck Mount Server Minimum Specifications: 2x Intel Xeon Platinum, 16C/32T, 10.4GTK; 22M Cache, Turbo, HT (125W) DDR4-2666 2 x Additional Processor Selected or its equivalent benchmark processor Selec	1/		
HARDWARE         Processor1.8 GHz 64 Bit Quad-Core CPU         Etherner Ports 1x 2.5 Gbps WAN Port         Bx Gigabit LAN Ports         SECURITY         WFA2         WPA3         100% compatible with existing equipment         11         Ruds CRIMP TOOL         Pass Through Cutter         DOCUMENT CAMERA         Minimum Specifications:         Recording rate: 30 frames per second         SM puck CMOS Sensor         Zoom: 16X total zoom         (2X AVe2zoom <sup>11/4</sup> + 8X digital zoom)         Supports 1280 x 720 output resolution         Display modes: sharp / graphic / motion / microscope         Focus: auto / manual         Image effects: color / b&/ role / 90 / 180' / 270°         Capture mode: single / continuous         Shoroling area: 420. 287 mm (A3 landscape) max.         17       SP-P ORTS IN 1U RACKMOUNT CASE         Minimum Specifications:         Storage type: FLASH         Minimum Specifications:         Storage type: FLASH         10/10/000 Ethernet ports:24         PoE in: Passive PoE         PoE in: passive PoE         18       DESDOERING PUM PVacuum Aluminum)         Minimum Specitiontons         Dingelia les	14		
Processor1.8 GHz 64 Bit Quad-Core CPU         Elterner Ports X 2: 5 Gbps WAN Port         8x Gigabit LAN Ports         SECURITY         WFA3         100% compatible with existing equipment         15       RL45 CRIMP TOOL         Pass Through Cutter         16       DOCUMENT CAMERA         Minimum Specifications:         Recording rate: 30 frames per second         3M pixel CMOS sensor         Zoom ' 4 8X digital zoom)         Supper 1280 x720 output resolution         700 TV line resolution         Dibelay modes: sharp / graphic / motion / microscope         Focus: auto / manual         17       24 POPT GIGABIT ENTERPENT SWICH WITH TWO         SFP+ PORTS IN 1U RACKMOUNT CASE         Minimum Specifications:         Storage type: FLASH         10/1000 Ethemet ports:24         PoE in: Passive POE			
Ethernel Ports 1x 2.5 Gbps WAN Port           Bx Gigabit LAN Port           Bx Gigabit LAN Port           Bx Gigabit LAN Port           WPA2           WPA2           WPA3           100% compatible with existing equipment           15           Ru45 CRIMP TOOL           Pass Through Cutter           16           DOCUMENT CAMERA           Minimum Specifications:           Recording rate: 30 frames per second           3M pixel CMOS sensor           Zoom: 16X total zoom           (2X AVerZoom "+ 4X digital zoom)           Supports 1280 x 720 output resolution           700 TV line resolution           Display modes: sharp / graphic / motion / microscope           Focus: auto / manual           Image rotation: electronic rotation 0* / 90* / 180* / 270°           Capture mode: single / continuous           Bhooting area: 420 x 297 mm (A3 landscape) max.           17         24 PORT GIGABIT ETHERNET SWITCH WITH TWO           Storage type: FLASH           10/100/1000 Ethernet ports:24           POE in input Voltage:10-30 V           Nummur Specifications:           Storage type: FLASH           10/0% Compatible with the existing equipment           18         DE			
Bx Gigabit LAN Ports           SECURTY           WF-E Encryption WPA           WPA3           100%.compatible with existing equipment           15         R45 CRIMP TOOL           Pass Through Cutter           16         DCUMENT CAMERA           Minimum Specifications:           Recording rate: 30 frames per second           3M pixel CMOS sensor           Zoom: 16X total zoom           (2X AVerZoom** + 8X digital zoom)           Supports 1280 x 720 output resolution           Dipsly modes: sharp / graphic / motion / microscope           Focus: auto / manual           Image rotation: electronic rotation 0° / 90° / 180° / 270°           Capture mode: single / continuous           Shooting area: 420 x 297 mm (A3 landscape) max.           17         24 PORT GIGABIT ETHERNET SWITCH WITH TWO           SFP+ PORTS IN 1U RACKMOUNT CASE           Minimum Specifications:           Storage size: ZMB           Storage size: ZMB           Storage size: AB           Storage size: AB           Storage size: MB           Storage size: AB           Storage size: CMB           Storage size: CMB           Storage size: CMB           Doclackinput Voltage: 10-30 V			
SECURITY           Wi-FL           WPA2           WPA3           100% compatible with existing equipment           15         RJ45 CRIMP TOOL           Pass Through Cutler           16         DOCUMENT CAMERA           Minimum Specifications:           Recording rate: 30 frames per second           3M pixel CMCS sensor           Zoom: 16X total zoom           (2X AVerZoom"+ 8X digital zoom)           Supports 1280 x 720 output resolution           700 TV line resolution           Display modes: sharp / graphic / motion / microscope           Focus: auto / manual           Image effects: color / b&w / negative / mirror / freeze           Image offacts: color / b&w / negative / mirror / freeze           Image effects: color / b&w / negative / mirror / freeze           Image effects: color / b&w / negative / mirror / freeze           Image effects: color / b&w / negative / mirror / freeze           Image effects: color / b&w / negative / mirror / freeze           Image effects: color / b&w / negative / mirror / freeze           Image effects: color / b&w / negative / mirror / freeze           Image effects: color / b&w / negative / mirror / freeze           Image effects: color / b&w / negative / mirror / freeze           Image toreacontion is elactonic rotation 0*			
Wi-FI Encryption WPA           WPA2           WPA3           100% compatible with existing equipment           15         RL45 CRIMP TOOL           Pass Through Cutter           16         DCUMENT CAMERA           Minimum Specifications: Recording rate: 30 frames per second           3M pixel CMOS sensor           Zoom '' + 8X digital zoom)           (X AVerZoom '' + 8X digital zoom)           Supports 1280 x 720 output resolution           700 TV line resolution           Display modes: sharp / graphic / motion / microscope           Focus: auto / manual           Image effects: color / b&w / negative / mirror / freeze           Image offects: color / b&w / negative / mirror / freeze           Image offects: color / b&w / negative / mirror / freeze           Image offects: color / b&w / negative / mirror / freeze           Image offects: color / b&w / negative / mirror / freeze           Image offects: color / b&w / negative / mirror / freeze           Image offects: color / b&w / apstice / mirror / freeze           Image offects: color / b&w / apstice / mirror / freeze           Image offects: color / b&w / apstice / bw / apstice / bw / apstice / bw / apstice / apsti			
WPA2           WPA3           100% compatible with existing equipment           15         RL46 CRIMP TOOL           Pass Through Cutter           16         DOCUMENT CAMERA           Minimum Specifications; Recording rate: 30 frames per second           3M pixel CMOS sensor           Zoom: 16X total zoom           (2X AVerZoom"+ 8X digital zoom)           Supports 1280 x 720 output resolution           700 TV line resolution           Display modes: sharp / graphic / motion / microscope           Focus: auto / manual           Image effects: color / b&w / negative / miror / freeze           Image rotation: electronic rotation 0' / 90° / 180° / 270°           Capture mode: single / continuous           Shooting area: 420 x 297 mm (A3 landscape) max.           17         24 PORT GIGABIT ETHERNET SWTCH WITH TWO           Strorage size: 2 MB           Storage size: 3 MB           Storage si			
WPA3           100% compatible with existing equipment           15         RJ45 CRIMP TOOL Pass Through Cutter           16         DOCUMENT CAMERA Minimum Specifications: Recording rate: 30 frames per second 3M pixel CMOS sensor Zoom: 16X total zoom (2X AVerZoom™ + 8X digital zoom) (2X AVerZoom™ + 8X digital zoom) Supports 1280 x 720 output resolution 700 TV line resolution Display modes: sharp / graphic / motion / microscope Focus: auto / manual Image effects: color / b&w / negative / mirror / freeze Image rotation: electronic rotation 0° / 90° / 180° / 270° Capture mode: single / continuous Shooting area: 420 x 297 mm (A3 landscape) max.           17         24 PORT GlGABIT ETHERNET SWITCH WITH TWO SFP+ PORTS IN U RACKMOUNT CASE Minimum Specifications: Storage size: 2W B Storage size: 2W B Storage size: 2W B Storage size: WB Storage size: WB Storage size: WB Storage size, WB Storage, size, Storage, internal spring adopts back pull type design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type. Commercial, easy to operate, easy to clean           19         Rack Mount Server Minimum Specifications: Z k Intel Xeon Platinum, 16C/32T, 10.4GT/s.22W Cache, Turbo, LT (125W) DDR4-2666 2 x Additional Processor Selected or its equivalent benchmark processor Group M		Wi-Fi Encryption WPA	
100% compatible with existing equipment           15         RJ45 CRIMP TOOL           Pass Through Cutter         16           DOCUMENT CAMERA         Minimum Specifications:           Recording rate: 30 frames per second         30 bytel CMOS sensor           Zoom: 16X total zoom         (2X AVerZoom <sup>TM</sup> + 8X digital zoom)           Supports 1280 x 720 output resolution         700 TV line resolution           Display modes: sharp / graphic / motion / microscope         Focus: auto / manual           Image effects: color / b&w / negative / mirror / freeze         Image fetots: color / b&w / negative / mirror / freeze           Image rotation: electronic rotation 0° / 90° / 180° / 270°         Capture mode: single / continuous           Shooting area: 420 x 297 mm (A3 landscape) max.         17           24 PORT GIGABIT ETHERNET SWITCH WITH TWO         SFP+ PORTS IN 10 RACKMOUNT CASE           Minimum Specifications:         Storage type: FLASH           100/1000 Ethemet ports:24         PoE in: Passive PoE           PoE in input Voltage:10-30 V         100% Compatible with the existing equipment           18         DESOLDERING PUMP (Vacuum Aluminum)           Minimum Specifications:         Storage type: stant suction holding force, suction hore up to 32Hoy-ms, Stot non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean			
15       RJ45 CRIMP TOOL         Pass Through Cutter       DOCUMENT CAMERA         Minimum Specifications:       Recording rate: 30 frames per second         3M pixel CMOS sensor       Zoom: 16X total zoom         Zoom: 16X total zoom       (ZX AVerZoom™ + 8X digital zoom)         Supports 1280 x 720 output resolution       Totion         700 TV line resolution       Dot TV line resolution         700 TV line resolution       Point of the second of the se		WPA3	
15       RJ45 CRIMP TOOL         Pass Through Cutter       DOCUMENT CAMERA         Minimum Specifications:       Recording rate: 30 frames per second         3M pixel CMOS sensor       Zoom: 16X total zoom         Zoom: 16X total zoom       (ZX AVerZoom™ + 8X digital zoom)         Supports 1280 x 720 output resolution       Totion         700 TV line resolution       Dot TV line resolution         700 TV line resolution       Point of the second of the se		100% compatible with existing equipment	
10       Pass Through Cutter         16       DOCUMENT CAMERA         Minimum Specifications: Recording rate: 30 frames per second       30 pixel CMOS sensor         2xorn: 16X total zoom       12X Verizoom* + 8X digital zoom)         Supports 1280 x 720 output resolution       700 TV line resolution         Display modes: sharp / graphic / motion / microscope       Focus: auto / manual         Image effects: color / b&w / negative / mirror / freeze       Image effects: color / b&w / negative / mirror / freeze         Image rotation: electronic rotation 0* / 90* / 180* / 270°       Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.       17         24 PORT GIGABIT ETHERNET SWITCH WITH TWO       SFP+ PORTS IN 1U RACKMOUNT CASE         Minimum Specifications:       Storage size: 2 MS         Storage size: 2 MS       Storage type: FLASH         10/10/1000 Ethemet ports:24       PoE in: Passive POE         POE in: passive POE       POE in input Voltage:10-30 V         Number of DC inputs:2 (POE-IN, DC jack)       DC jack input Voltage:10-30 V         100% Compatible with the existing equipment       18         18       DESOLDERING PUMP (Vacuum Aluminum)         Minimum Specifications:       Storage size: asy to operate, easy to clean         19       Rack Mount Server         Minimum Specificat	15		
16       DOCUMENT CAMERA Minimum Specifications; Recording rate: 30 frames per second 3M pixel CMOS sensor Zoom: 16X total zoom (2X AVer2com™ + 8X digital zoom) (3U AVer2com™ + 8X digital zoom) (2X AVer2com™ + 8X digital zoom) (2X AVer2com™ + 8X digital zoom) Display modes: sharp / graphic / motion / microscope Focus: auto / manual Image effects: color / b&W / negative / mirror / freeze Image rotation: electronic rotation 0° / 90° / 180° / 270° Capture mode: single / continuous Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO SFP+ PORTS IN URACKMOUNT CASE Minimum Specifications: Storage type: FLASH 10/100/1000 Ethernet ports:24 PoE in input Voltage:10-30 V Number of DC inputs:2 (PoE-IN, DC jack) DC jack input Voltage: 10-30 V 100% Compatible with the existing equipment 18         18       DESOLDERING FUMP (Vacuum Aluminum) Minimum Specifications: Double oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Rack Mount Server Minimum Specifications: 2x Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666 2 x Additional Processor Selected or its equivalent benchmark processor Group Manager, Enabled Factory Generated Password Operating System: Microsoft® Windows Server® STD 2019 (Loense Per Core, 12 Core) 2.5 Chassis up to 24 Drives (24x SAS/SATA), GPU Capable Configuration, 2 or 4 CPU Configuration, 2 or 4	15		
Minimum Specifications: Recording rate: 30 frames per second 3M pixel CMOS sensor Zoom: 16X total zoom (2X AVerZoom** + 8X digital zoom) Supports 1280 x 720 output resolution 700 TV line resolution Display modes: sharp / graphic / motion / microscope Focus: auto / manual Image refects: color / b&w / negative / mirror / freeze Image rotation: electronic rotation 0° / 90° / 180° / 270° Capture mode: single / continuous Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO SFP+ PORTS IN 1U RACKMOUNT CASE Minimum Specifications: Storage size: 2MB Storage size: 2MB Storage type: FLASH 10/10/1000 Ethemet ports:24 PoE in input Voltage:10-30 V Number of DC inputs:2 (PoE-IN, DC jack) DC jack input Voltage:10-30 V Number of DC inputs:2 (PoE-IN, DC jack) DC jack input Voltage:10-30 V 100% Compatible with the existing equipment         18       DESOLDERING PUMP (Vacuum Aluminum) Minimum Specifications: Double oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Rack Mount Server Minimum Specifications: 2x Anditional Processor Selected or its equivalent benchmark processor Group Manager, Enabled Factory Generated Password Operating System: Microsoft® Windows Server® STD 2019 (License Per Core, 12 Core) 2.5 Chassis up to 24 Drives (24x SAS/SATA), GPU Capable Configuration, 2 or 4 CPU Configuration, 2 or 4	17		
Recording rate: 30 frames per second         3M pixel CMOS sensor         Zoom: 16X total zoom         (2X AVer2com <sup>™</sup> + 8X digital zoom)         Supports 1280 x 720 output resolution         700 TV line resolution         Display modes: sharp / graphic / motion / microscope         Focus: auto / manual         Image effects: color / b&w / negative / mirror / freeze         Image effects: color / b&w / negative / mirror / freeze         Image rotation: electronic rotation 0° / 90° / 180° / 270°         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO         SFP+ PORTS IN 10 RACKMOUNT CASE         Minimum Specifications:         Storage ster: 2 MB         Storage type: FLASH         10/100/1000 Ethemet ports:24         PoE in: Passive POE         PoE in: passive POE         PoE in: passive POE         PoE in: puble with the existing equipment         10% Compatible with the existing equipment         10% Compatible with the existing equipment         10% Compatible with the existing equipment         10% Replacement tip, economical, easy to operate, easy to clean         grip, Replacement tip, economical, easy to operate, easy to clean         19 <td< td=""><td>16</td><td></td><td></td></td<>	16		
3M pixel ČMOS sensor         Zoom: 16X total zoom         (2X AVerZoom <sup>™</sup> + 8X digital zoom)         Supports 1280 x 720 output resolution         700 TV line resolution         Display modes: sharp / graphic / motion / microscope         Focus: auto / manual         Image effects: color / b&w / negative / mirror / freeze         Image rotation: electronic rotation 0° / 90° / 180° / 270°         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO         SFP+ PORTS IN 1U RACKMOUNT CASE         Minimum Specifications:         Storage size: 2 MB         Storage size: 2 MB         Storage size: 2 MB         Storage size: 2 MB         Storage size: 3 MB         Storage			
Zoom: 16X total zoom         (2X AVerZoom <sup>TM</sup> + 8X digital zoom)         Supports 1280 x 720 output resolution         700 TV line resolution         Dilsplay modes: sharp / graphic / motion / microscope         Focus: auto / manual         Image effects: color / b&w / negative / mirror / freeze         Image rotation: electronic rotation 0° / 90° / 180° / 270°         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO         SFP+ PORTS IN 1U RACKMOUNT CASE         Minimum Specifications:         Storage type: FLASH         10/100/1000 Ethemet ports:24         POE in: input Voltage:10-30 V         100% Compatible with the existing equipment         18       DESoLENING PUMP (Vacuum Aluminum)         Minimum Specifications:         Duble oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-sip handle design, smooth operation, no. slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to oclean         19       Rack Mount Server         Minimum Specifications:       2x Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666         2 x Additional Processor Selected or its equivalent benchmark pr			
(2X AVer2com <sup>™</sup> + 8X digital zoom)         Supports 1280 x 720 output resolution         700 TV line resolution         Display modes: sharp / graphic / motion / microscope         Focus: auto / manual         Image effects: color / b&w / negative / mirror / freeze         Image totation: electronic rotation 0° / 90° / 180° / 270°         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO SFP+ PORTS IN 1U RACKMOUNT CASE         Minimum Specifications:         Storage size: 22 MB         Storage size: 20 MB         Storage type: FLASH         10/0/1000 Ethernet ports:24         PoE in input Voltage:10-30 V         DC jack input Voltage:10-30 V         100% Compatible with the existing equipment			
Supports 1280 x 720 output resolution         700 TV line resolution         Display modes: sharp / graphic / motion / microscope         Focus: auto / manual         Image fotest: solor / b&w / negative / mirror / freeze         Image totation: electronic rotation 0° / 90° / 180° / 270°         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO         SFP+ PORTS IN 10 RACKMOUNT CASE         Minimum Specifications:         Storage type: FLASH         10/100/1000 Ethernet ports:24         PoE in input Voltage:10-30 V         100% Compatible with the existing equipment         18       DESOLDERING PUMP (Vacum Aluminum)         Minimum Specifications:         Dotble oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to oclean         19       Rack Mount Server         Minimum Specifications:         2x Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666         2x Additional Processor Selected or its equivalent benchmark processor         group Manager, Enabled         Fack Moun			
700 TV line resolution         Display modes: sharp / graphic / motion / microscope         Focus: auto / manual         Image effects: color / b&w / negative / mirror / freeze         Image effects: color / b&w / negative / mirror / freeze         Image effects: color / b&w / negative / mirror / freeze         Image effects: color / b&w / negative / mirror / freeze         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO         SFP+ PORTS IN 10 RACKMOUNT CASE         Minimum Specifications:         Storage size: 2 MB         Storage type: FLASH         100/01001 Ethemet ports:24         PoE in input Voltage:10-30 V         Number of DC inputs: 2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         100% Compatible with the existing equipment         18       DESOLDERING PUMP (Vacuum Aluminum)         Minimum Specifications:<		(2X AVerZoom™ + 8X digital zoom)	
700 TV line resolution         Display modes: sharp / graphic / motion / microscope         Focus: auto / manual         Image effects: color / b&w / negative / mirror / freeze         Image effects: color / b&w / negative / mirror / freeze         Image effects: color / b&w / negative / mirror / freeze         Image effects: color / b&w / negative / mirror / freeze         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO         SFP+ PORTS IN 10 RACKMOUNT CASE         Minimum Specifications:         Storage size: 2 MB         Storage type: FLASH         100/01001 Ethemet ports:24         PoE in input Voltage:10-30 V         Number of DC inputs: 2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         100% Compatible with the existing equipment         18       DESOLDERING PUMP (Vacuum Aluminum)         Minimum Specifications:<		Supports 1280 x 720 output resolution	
Focus: auto / manual         Image effects: color / b&w / negative / mirror / freeze         Image rotation: electronic rotation 0° / 90° / 180° / 270°         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO         SFP+ PORTS IN 10 RACKMOUNT CASE         Minimum Specifications:         Storage type: FLASH         10/100/1000 Ethernet ports:24         PoE in: input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC gast input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC gast design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, notatin suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Rack Mount Server         Minimum Specifications:       Zx Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666         2 x Addit		700 TV line resolution	
Focus: auto / manual         Image effects: color / b&w / negative / mirror / freeze         Image rotation: electronic rotation 0° / 90° / 180° / 270°         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO         SFP+ PORTS IN 10 RACKMOUNT CASE         Minimum Specifications:         Storage size: 2 MB         Storage type: FLASH         10/100/1000 Ethernet ports:24         PoE in: input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC gast input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC gast design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Rack Mount Server         Minimum Specifications:       Zk Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W)			
Image effects: color / b&w / negative / miror / freeze         Image rotation: electronic rotation 0° / 90° / 180° / 270°         Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO SFP+ PORTS IN 1U RACKMOUNT CASE         Minimum Specifications: Storage size: 2 MB         Storage type: FLASH         10/100/1000 Ethernet ports:24         PoE in: input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         Number of DC inputs:2 (PoE-IN, DC jack)         DC jack input Voltage:10-30 V         100% Compatible with the existing equipment         18         Minimum Specifications: Double oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Rack Mount Server Minimum Specifications: 2x Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666 2 x Additional Processor Selected or its equivalent benchmark processor Group Manager, Enabled Factory Generated Password Operating System: Microsoft® Windows Server® STD 2019 (License Per Core, 12 Core) 2.5 Chassis up to 24 Drives (24x SAS/SATA), GPU Capable Configuration, 2 or 4 CPU Configuration			
Image rotation: electronic rotation 0° / 90° / 180° / 270° Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO SFP+ PORTS IN 10 RACKMOUNT CASE Minimum Specifications: Storage size:2 MB Storage type: FLASH 10/700/1000 Ethernet ports:24 PoE in: passive PoE PoE in input Voltage:10-30 V Number of DC inputs:2 (PoE-IN, DC jack) DC jack input Voltage:10-30 V 100% Compatible with the existing equipment         18       DESOLDERING PUMP (Vacuum Aluminum) Minimum Specifications: Double oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Rack Mount Server Minimum Specifications: 2x Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666 2 x Additional Processor Selected or its equivalent benchmark processor Group Manager, Enabled Factory Generated Password Operating System: Microsoft@ Windows Server® STD 2019 (License Per Core, 12 Core) 2.5 Chassis up to 24 Drives (24x SAS/SATA), GPU Capable Configuration, 2 or 4 CPU Configuration			
Capture mode: single / continuous         Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GICABIT ETHERNET SWITCH WITH TWO SFP+ PORTS IN 1U RACKMOUNT CASE Minimum Specifications: Storage size: 2 MB Storage size: 2 MB Storage type: FLASH 10/100/1000 Ethemet ports: 24 PoE in input Voltage: 10-30 V Number of DC inputs: 2 (PoE-IN, DC jack) DC jack input Voltage: 10-30 V 100% Compatible with the existing equipment         18       DESOLDERING PUMP (Vacuum Aluminum) Minimum Specifications: Double oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Rack Mount Server Minimum Specifications: 2x Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (12SW) DDR4-2666 2 x Additional Processor Selected or its equivalent benchmark processor Group Manager, Enabled Factory Generated Password Operating System: Microsoft® Windows Server® STD 2019 (License Per Core, 12 Core) 2.5 Chassis up to 24 Drives (24x SAS/SATA), GPU Capable Configuration, 2 or 4 CPU Configuration			
Shooting area: 420 x 297 mm (A3 landscape) max.         17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO SFP+ PORTS IN 1U RACKMOUNT CASE Minimum Specifications: Storage size:2 MB Storage type: FLASH 10/100/1000 Ethernet ports:24 PoE in : pastive PoE PoE in input Voltage:10-30 V Number of DC inputs:2 (PoE-IN, DC jack) DC jack input Voltage:10-30 V 100% Compatible with the existing equipment         18       DESOLDERING PUMP (Vacuum Aluminum) Minimum Specifications: Double oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Rack Mount Server Minimum Specifications: 2x Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666 2 x Additional Processor Selected or its equivalent benchmark processor Group Manager, Enabled Factory Generated Password Operating System: Microsoft® Windows Server® STD 2019 (License Per Core, 12 Core) 2.5 Chassis up to 24 Drives (24x SAS/SATA), GPU Capable Configuration, 2 or 4 CPU Configuration			
17       24 PORT GIGABIT ETHERNET SWITCH WITH TWO SFP+ PORTS IN 1U RACKMOUNT CASE Minimum Specifications: Storage size: 2 MB Storage type: FLASH 10/100/1000 Ethemet ports:24 PoE in: Passive PoE PoE in input Voltage:10-30 V Number of DC inputs: 2 (PoE-IN, DC jack) DC jack input Voltage:10-30 V 100% Compatible with the existing equipment         18       DESOLDERING PUMP (Vacuum Aluminum) Minimum Specifications: Double oil seal design, double air leakage protection, better gas density, less leakage, internal spring adopts back pull type design, instant suction holding force, suction force up to 32Hg-cm, Soft non-slip handle design, smooth operation, no slippery hand, more comfortable grip, Replacement tip, economical, easy to operate, easy to clean         19       Rack Mount Server Minimum Specifications: 2x Intel Xeon Platinum, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666 2 x Additional Processor Group Manager, Enabled Factory Generated Password Operating System: Microsoft® Windows Server® STD 2019 (License Per Core, 12 Core) 2.5 Chassis up to 24 Drives (24x SAS/SATA), GPU Capable Configuration, 2 or 4 CPU Configuration			
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Capable Configuration, 2 or 4 CPU Configuration			
CPU Configuration			
Riser Config1, 4 PCIe slots (2 x16 Full height GRAPHICS		Riser Config1, 4 PCIe slots (2 x16 Full height GRAPHICS	

T		
	slots + 2 x16 Low profile),	
	GPU capable	
	Shp Mtl	
	Quick Sync 2 (At-the-box mgmt)	
	3200MT/s RDIMMs	
	Performance Optimized	
	32 x 64GB RDIMM, 3200MT/s, Dual Rank	
	Enterprise	
	12 x 2.4TB 10K RPM SAS ISE 12Gbps 512e 2.5in Hot-	
	plug Hard Drive	
	BOSS controller card + with 2 M.2 Sticks 240G (RAID	
	1),LP	
	RAID Controller, 8GB NV Cache, Adapter, Low Profile	
	Performance BIOS Settings	
	4 CPU (GPU Ready)	
	No Internal Optical Drive	
20	40kva Modular Rackmount UPS	
20	Minimum Specifications:	
	Hot-swappable batteries; Modular design;	
	Battery replacement without tools;	
	Output:	
	Max Configurable Power (Watts): 32.0kWatts / 40.0kVA;	
	Output Voltage	
	Note:	
	Configurable for 380: 400 or 415 V 3 Phase nominal	
	output voltage;	
	Communications & Management;	
	Interface Port(s): DB-9 RS-232, SmartSlot;	
	Control panel: Multifunction LCD status and control	
	console; Audible Alarm: Audible and visible alarms:	
	configurable delays; Locking cabinet: Prevents	
	unauthorized access to the UPS.;	
	Includes:	
	CD with software, Installation guide, Network	
	management card, Power modules ship installed, Smart	
	UPS signaling RS-232 cable, Startup included, User	
	manual; C-Tick, CE, EN 50091-2, EN/IEC 62040-3, IEC	
	61000-3-2, IEC 61000-3-3, ISO 14001, ISO 9001, RCM,	
	VFI-SS-111;	
	1 year repair or replace, Start-Up Service	
21	Gigabit desktop Network Switch	
	(100% Compatible with The Existing Equipment)	
	Minimum Specifications:	
	(16 port)	
	Unmanaged 16 Port Gigabit 10/100/1000 Mbps; IEEE	
	802.3 10BASE-T	
	Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet IEEE	
	802.3ab 1000BASE	
	T Gigabit Ethernet, IEEE 802.3z Gigabit Ethernet, IEEE	
	802.3x Flow Control,	
	802.1p priority, Energy Efficient Ethernet LED Indicators:	
	System/PWR, link/activity, 100M*, cable diagnostics, loop	
	detection. gigabit mini-GBIC if present, Ports: 16 RJ-45	
	connectors for 100BASE-TX/1000BASE-T ports;	
	Switching capacity: 32 GBS; Power supply: 110-240VAC;	
	1 Year Warranty	
22	Gigabit Ethernet Switch Ethernet	
	(100% Compatible with The Existing Equipment)	
	Minimum Specifications:	
	Fiber Optical Media Converter	
	Single Mode 2-Port RJ45 2 Port	
	Optical 1.25G Fiber Converter	
	The Gigabit 1G2E is an Ethernet Fiber Switch which is	
	The Gigabit 1G2E is an Ethernet Fiber Switch which is specially designed for network monitoring.	
	The Gigabit 1G2E is an Ethernet Fiber Switch which is specially designed for network monitoring. It has 2*10/100/1000Mbps Ethernet ports and 1*1.25Gbps	
	The Gigabit 1G2E is an Ethernet Fiber Switch which is specially designed for network monitoring. It has 2*10/100/1000Mbps Ethernet ports and 1*1.25Gbps fiber ports.	
	The Gigabit 1G2E is an Ethernet Fiber Switch which is specially designed for network monitoring. It has 2*10/100/1000Mbps Ethernet ports and 1*1.25Gbps fiber ports. It extends the transmission distance of a network from	
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	It can extend the transmission distance;	
	there are also many other advantages such as isolation	
	protection. good data security, working stability and easy	
	maintenance:	
	Support the switch between 10/100/100Base-TXand	
	1000Base-SX/LX; 1*1.25Gbps full-duplex fiber ports and	
	2*1000M Ethernet ports with auto-negotiation function:	
	Support 1000M speed rate, MDI/MDIX and half/full-duplex	
	with auto-negotiation function: Each port has the complete LED Indicator light Support single mode single fiber.	
	single mode dual fiber multi-mode dual fiber and SFP slot	
	Support	
	IEEE802.1d Spanning Tree;	
	Support high performance QoS function on each	
	port Support 5-16V voltage input:	
	Support IEEE 802.3x flow control and back pressure	
	control: Plug and Play; 1 Year Warranty	
23	10-Port Rack Mountable Gigabit Router	
-	Minimum Specifications:	
	CPU nominal frequency: 1.4 GHz;	
	CPU core count: 2;	
	Size of RAM: 1 GB;	
	10/100/1000 Ethernet ports: 10;	
	Number of USB ports: 1;	
	Power Jack: 1;	
	Voltage Monitor: Yes;	
	PCB temperature monitor: Yes;	
	Operating System: Router OS;	
	CPU: IPQ-8064-0-519FCBGA-TR-01-0;	
	Max Power consumption: 10W; SFP ports: 1;	
	USB slot type: USB 3.0 type A;	
	Serial port: RJ45; Storage type: NAND;	
	Storage size: 128 MB;	
	1 Year Warranty	
24	4 Port Gigabit SOHO Router	
24	Architecture MMIPS;	
	CPU MT7621A;	
	CPU core count: 2; CPU nominal frequency 880 MHz;	
	CPU Threads count: 4;	
	Operating System: Router OS;	
	Size of RAM: 256 MB;	
	Storage size: 16 MB;	
	Storage type: FLASH; 10/100/1000 Ethernet ports: 5;	
	1 Year Warranty	
В.	Compliance to the Schedule of Requirements	
	(Section VI)	
L	V	<u> </u>

### I hereby certify to comply and deliver all the above requirements.

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

Technical Specifications Page 6 of 6

\_\_\_\_\_

# Section VIII. Checklist of Technical and Financial Documents

## Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. Any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary "pass/fail" criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

# **Checklist of Technical and Financial Documents**

#### I. TECHNICAL COMPONENT ENVELOPE

#### Class "A" Documents

#### Legal Documents

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

#### Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (in a **FORM prescribed by the QC-BAC-GOODS AND SERVICES**); <u>and</u>
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents (in a FORM prescribed by the QC-BAC-GOODS AND SERVICES); and
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;

#### <u>or</u>

Original copy of Notarized Bid Securing Declaration; and

- Conformity with Section VI. (Schedule of Requirements) and Section VII. (Technical Specifications), which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; and
- (f) Original duly signed Omnibus Sworn Statement (OSS);
  - and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

#### Financial Documents

(g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) (in a FORM prescribed by the QC-BAC-GOODS AND SERVICES);

#### <u>or</u>

A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

#### Class "B" Documents

(h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;

#### or

duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

#### Other documentary requirements under RA No. 9184 (as applicable)

- (i) [For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos] Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- (j) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

#### **II. FINANCIAL COMPONENT ENVELOPE**

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

#### **III. REQUIRED DOCUMENTS in BDS SECTION 20.2 and 21.2**

- Authority to sell from the manufacturer or authorized/exclusive distributor of the duplicating machine being offered which includes full guarantee on the availability of parts after sales warranty
- Statement of Warranty Minimum of One (1) Year Parts and Services

#### Note:

- 1. Please refer to
  - [https://drive.google.com/file/d/1uiYurh5WrpBL5B\_pqpzAb62yucAblR1p/view?usp=sh aring] for the following requirements:
    - a. Computation of NFCC;
    - b. List of All Ongoing Contracts/List of Contracts already awarded but not yet started;
    - c. Statement of Single Largest Completed Contract
- 2. Please refer to GPPB Resolution No. 16-2020 for the following requirements:
  - a. Bid Form;
  - b. Price Schedule (for Goods Offered from Abroad/ Within the Philippines)
  - c. Bid Securing Declaration; and
  - d. Omnibus Sworn Statement

