

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

PROCUREMENT OF SUPPLY AND DELIVERY OF VARIOUS ICT EQUIPMENT AND ADOBE SOFTWARE

Government of the Republic of the Philippines

PHILIPPINE STATISTICS AUTHORITY

Quezon City, Philippines

PUBLIC BIDDING NO. 2020-08

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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.

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

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

CDA - Cooperative Development Authority.

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

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

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

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

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

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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

UN – United Nations.

Section I. Invitation to Bid

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.



INVITATION TO BID FOR THE PROCUREMENT OF SUPPLY AND DELIVERY OF VARIOUS ICT EQUIPMENT AND ADOBE SOFTWARE

- The Philippine Statistics Authority (PSA), through the 2020 General Appropriations Act¹ intends to apply the sum of **Thirty Million Four Hundred Fifty-Nine Thousand Three Hundred Twenty Pesos (P 30,459,320.00)** being the total Approved Budget for the Contract (ABC) to payments under the contract for the **Supply and Delivery of Various ICT Equipment and Adobe Software**. Bids received in excess of the ABC shall be automatically rejected at bid opening.

<i>Lot No.</i>	<i>Quantity</i>	<i>Item Description</i>	<i>Approved Budget for the Contract (in Php)</i>
		Supply and Delivery of Various ICT Equipment and Adobe Software	
Lot 1		Network Communication and Storage Solutions	13,029,100.00
	30	NAS with 8TB each slot	
	1	NAS with 4 slot, with 8TB each slot	
	2	NAS with 8 Slot, 4TB each slot	
	3	NAS with 4 Slot, 4TB each slot and UPS	
	105	Network Switch	
Lot 2		Dissemination and Scanning Solutions	5,464,400.00
	23	LED Projector (HDMI ready)	
	13	Portable Projector	
	1	Motorized Screen Projector	
	4	24" LED Monitor	
	10	27" LED Monitor	
	2	55" LED Monitor	
	10	60" LED Monitor	
	11	Automatic Document Feeder (ADF) Scanner	
	17	Scanner (Standard)	
	2	Portable Scanner	
	11	Topload Scanner	
	18	Overhead Scanner	

¹ In the case of National Government Agencies, the General Appropriations Act and/or continuing appropriations; in the case of GOCCs, GFIs, and SUCs, the Corporate Budget for the contract approved by the governing Boards; in the case of (LGUs, the Budget for the contract approved by the respective *Sanggunian*. (Section 5(a), R.A. 9184)

	1 57	Book Scanner Barcode Reader/Scanner	
Lot 3	443	UPS for Workstation	2,215,000.00
Lot 4	15	UPS for Server	3,525,000.00
Lot 5	1332 150 101 149	Portable Storage Devices Flash Drive OTG 32GB Flash Drive OTG 16GB External Hard Drive 4TB External Hard Drive 2TB	2,895,600.00
Lot 6	80 77 26	Adobe Software Adobe Acrobat Adobe Illustrator Adobe Photoshop	3,330,220.00
		TOTAL	30,459,320.00

2. The Philippine Statistics Authority (PSA) now invites bids for the above Procurement Project. Delivery of the Goods is required **forty-five (45) calendar days** upon receipt of Notice to Proceed. For lots 1 to 5, bidders should have completed, within last three (3) years from the date of submission and receipt of bids, a contract similar to the Project. For Lot 6, bidders should have completed a similar contract within the last five (5) years from the date of submission and receipt of bids. 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.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.
4. Prospective Bidders may obtain further information from the Philippine Statistics Authority (PSA) and inspect the Bidding Documents at the address given below during working hours from 8AM – 5PM weekdays except holidays.

PSA BAC Secretariat
11th floor, Cyberpod Centris One, Eton Centris
EDSA corner Quezon Avenue, Quezon City
5. A complete set of Bidding Documents may be acquired by interested Bidders starting **on 08 October 2020** from the given address below and upon payment of the applicable

fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the following amounts:

<i>Lot No.</i>	<i>Item Description</i>	<i>Approved Budget for the Contract (in Php)</i>	<i>Price of Bidding Documents (in Php)</i>
	Supply and Delivery of Various ICT Equipment and Adobe Software		
Lot 1	Network Communication and Storage Solutions	13,029,100.00	25,000.00
Lot 2	Dissemination and Scanning Solutions	5,464,400.00	10,000.00
Lot 3	UPS for Workstation	2,215,000.00	5,000.00
Lot 4	UPS for Server	3,525,000.00	5,000.00
Lot 5	Portable Storage Devices	2,895,600.00	5,000.00
Lot 6	Adobe Software	3,330,220.00	5,000.00
	TOTAL	30,459,320.00	25,000.00

The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person. The Bidding Documents shall be received personally by the prospective bidder or his duly authorized representative upon presentation of proper identification documents.

6. The PSA-BAC will hold a Pre-Bid Conference on **16 October 2020, 1:30PM** at **17th Floor, Cyberpod Centris Three, Eton Centris, EDSA corner Quezon Avenue, Quezon City**, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **28 October 2020, 1:30 P.M.** Late bids shall not be accepted.
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 **28 October 2020, 2:00 P.M.** at **17th Floor, Cyberpod Centris Three, Eton Centris, EDSA corner Quezon Avenue, Quezon City**. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.
10. The PSA 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:

Mr. Joseph P. Cajita

Chair, BAC Secretariat

PSA Bids and Awards Committee

11th Floor, Cyberpod Centris One, Eton Centris

EDSA corner Quezon Avenue, Quezon City

Tel. No. : (02) 374-8270

12. You may visit the following websites:

For downloading of Bidding Documents:

www.psa.gov.ph or **<https://procurement.psa.gov.ph/>**

(SGD)

MINERVA ELOISA P. ESQUIVIAS

Chairperson, PSA Bids and Awards Committee

Section II. Instructions to Bidders

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, Philippine Statistics Authority wishes to receive Bids for the Procurement of **Supply and Delivery of Various ICT Equipment and Adobe Software**, with identification number PB 2020-08.

The Procurement Project (referred to herein as “Project”) is composed of Lot 1 to Lot 6, 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 the year 2020:

<i>Lot No.</i>	<i>Item Description</i>	<i>Approved Budget for the Contract (in Php)</i>
	Supply and Delivery of Various ICT Equipment and Adobe Software	
Lot 1	Network Communication and Storage Solutions	13,029,100.00
Lot 2	Dissemination and Scanning Solutions	5,464,400.00
Lot 3	UPS for Workstation	2,215,000.00
Lot 4	UPS for Server	3,525,000.00
Lot 5	Portable Storage Devices	2,895,600.00
Lot 6	Adobe Software	3,330,220.00
	TOTAL	30,459,320.00

2.2. The source of funding is 2020 General Appropriations Act.

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 limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder 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:

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.

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/webcasting} 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 two (2) years prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);

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

13. Bid and Payment Currencies

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

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

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration² or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid *120 calendar days* from the date of opening of bids. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

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

² 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.

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 and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

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

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

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case may be. 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 grouped into several lots, which shall be awarded as separate contracts per lot.

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

20. Post-Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

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.

Bid Data Sheet

ITB Clause																												
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <table><tr><th><i>Lot No.</i></th><th><i>Similar Contract/s</i></th></tr><tr><td>Lots 1, 3, 4 and 5</td><td>Supply and Delivery of Various ICT equipment such as Laptop, Desktop, NAS, Network Switch, servers, USB, Hard drives, SD cards, etc.</td></tr><tr><td>Lot 2</td><td>Supply and Delivery of Dissemination and Scanning Solutions (e.g. Projectors, LED Monitors, Scanners, Printers)</td></tr><tr><td>Lot 6</td><td>Supply and Delivery of any Productivity Software (e.g. Word Processing, Desktop Publishing, Page Layout, Graphics, or Web Publishing)</td></tr></table> <p>For lots 1 to 5, bidders should have completed, within last three (3) years from the date of submission and receipt of bids, a contract similar to the Project.</p> <p>For Lot 6, bidders should have completed a similar contract within the last five (5) years from the date of submission and receipt of bids.</p>	<i>Lot No.</i>	<i>Similar Contract/s</i>	Lots 1, 3, 4 and 5	Supply and Delivery of Various ICT equipment such as Laptop, Desktop, NAS, Network Switch, servers, USB, Hard drives, SD cards, etc.	Lot 2	Supply and Delivery of Dissemination and Scanning Solutions (e.g. Projectors, LED Monitors, Scanners, Printers)	Lot 6	Supply and Delivery of any Productivity Software (e.g. Word Processing, Desktop Publishing, Page Layout, Graphics, or Web Publishing)																			
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Lot 6	Supply and Delivery of any Productivity Software (e.g. Word Processing, Desktop Publishing, Page Layout, Graphics, or Web Publishing)																											
7.1	The Procuring Entity has prescribed that subcontracting is not allowed.																											
12	The price of the Goods shall be quoted DDP in the Philippines or the applicable International Commercial Terms (INCOTERMS) for this Project.																											
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <table><tr><td colspan="3">If bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit, 2% of the Approved Budget of the Contract should be submitted:</td></tr><tr><th><i>Lot No.</i></th><th><i>Approved Budget for the Contract (in Php)</i></th><th><i>2% of the ABC</i></th></tr><tr><td>Lot 1</td><td>13,029,100.00</td><td>Php 260,582.00</td></tr><tr><td>Lot 2</td><td>5,464,400.00</td><td>Php 109,288.00</td></tr><tr><td>Lot 3</td><td>2,215,000.00</td><td>Php 44,300.00</td></tr><tr><td>Lot 4</td><td>3,525,000.00</td><td>Php 70,500.00</td></tr><tr><td>Lot 5</td><td>2,895,600.00</td><td>Php 57,912.00</td></tr><tr><td>Lot 6</td><td>3,330,220.00</td><td>Php 66,604.40</td></tr><tr><td></td><td>30,459,320.00</td><td>Php 609,186.40</td></tr></table>	If bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit, 2% of the Approved Budget of the Contract should be submitted:			<i>Lot No.</i>	<i>Approved Budget for the Contract (in Php)</i>	<i>2% of the ABC</i>	Lot 1	13,029,100.00	Php 260,582.00	Lot 2	5,464,400.00	Php 109,288.00	Lot 3	2,215,000.00	Php 44,300.00	Lot 4	3,525,000.00	Php 70,500.00	Lot 5	2,895,600.00	Php 57,912.00	Lot 6	3,330,220.00	Php 66,604.40		30,459,320.00	Php 609,186.40
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Lot 6	3,330,220.00	Php 66,604.40																										
	30,459,320.00	Php 609,186.40																										

	if bid security is in Surety Bond, 5% of the Approved Budget of the Contract should be submitted:	
	<i>Lot No.</i>	<i>Approved Budget for the Contract (in Php)</i>
	Lot 1	13,029,100.00
	Lot 2	5,464,400.00
	Lot 3	2,215,000.00
	Lot 4	3,525,000.00
	Lot 5	2,895,600.00
	Lot 6	3,330,220.00
		30,459,320.00
19.3	The Project will be awarded by Lot.	
20.2	No further instructions.	
21.2	No further instructions.	

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	<p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><i>For Goods supplied from within the Philippines, state:</i> “The delivery terms applicable to this Contract are delivered at PSA Complex, East Avenue, Q.C. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is Mr. Noel G. Perez.</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ul style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods. <p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p>

	<p>Transportation –</p> <p>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.</p> <p>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.</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>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.</p> <p>Intellectual Property Rights –</p> <p>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.</p>
2.2	<p>The terms of payment shall be as follows: Monthly payment based on monthly billing statement.</p>
4	<p>The inspections and tests that will be conducted are:</p> <p>Upon delivery, the Goods shall undergo preliminary physical inspection by the Inspection Team of the Procuring Entity to ascertain the physical condition and acceptability of the Goods.</p> <p>The supplier shall promptly replace the equivalent quantity of Goods taken as samples without cost to the Procuring Entity.</p>

Section VI. Schedule of Requirements

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

Item Number	Description	Quantity	Delivered, Weeks/Months
	Procurement for the Supply and Delivery of Various ICT Equipment and Adobe Software		Delivery of Goods is required within forty-five (45) calendar days upon receipt of Notice to Proceed.
Lot 1	Network Communication and Storage Solutions NAS with 8TB each slot NAS with 4 slot, with 8TB each slot NAS with 8 Slot, 4TB each slot NAS with 4 Slot, 4TB each slot and UPS Network Switch	30 1 2 3 105	
Lot 2	Dissemination and Scanning Solutions LED Projector (HDMI ready) Portable Projector Motorized Screen Projector 24" LED Monitor 27" LED Monitor 55" LED Monitor 60" LED Monitor ADF Scanner Scanner Portable Scanner Topload Scanner Overhead Scanner Book Scanner Barcode Reader/Scanner	23 13 1 4 10 2 10 11 17 2 11 18 1 57	
Lot 3	UPS for Workstation	443	
Lot 4	UPS for Server	15	
Lot 5	Portable Storage Devices		

	Flash Drive OTG 32GB	1332	
	Flash Drive OTG 16GB	150	
	External Hard Drive 4TB	101	
	External Hard Drive 2TB	149	
Lot 6	Adobe Software		
	Adobe Acrobat	80	
	Adobe Illustrator	77	
	Adobe Photoshop	26	

Section VII. Technical Specifications

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

Item	Specification	Statement of Compliance
		<p>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</p>

		statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause Error! Reference source not found. and/or GCC Clause Error! Reference source not found..
LOT 1	NETWORK COMMUNICATION STORAGE SOLUTIONS - For the realization of stable connectivity among network users and to provide infrastructure to consolidate storage in one place, such as archiving and backup.	
Item 1	NAS with 8TB HD each Slot Specifications	
	Central Processing Unit	
	Architecture	64-bit
	Frequency	12-core 2.1 (base) GHz / 2.7 (turbo) GHz
	Hardware Encryption Engine (AES-NI)	YES
	Memory	
	System Memory	6GB DDR4 ECC RDIMM
	Memory Module Pre- Installed	16GB x 1
	Total Memory Slot	4

	Expandable up to	126GB (32GB x4)
	Storage	
	Drive Bays	12
	Compatible Drive Types	3.5" SAS HDD, 2.5" SAS HDD, 2.5 SAS SSD, 3.5" SATA HDD, 2.5" SATA HDD, 2.5" SATA SSD
	Maximum Drive Bays with Expansion Unit	96 (RX1217sas) / 180 (RX2417sas)
	Maximum Internal Raw Capacity	536 TB (192TB + 16TB drives x84
	Maximum Raw Capacity with Expansion Units	536 TB (192TB + 16TB drives x84
	Maximum Single Volume Size*	200TB (32GB RAM required, for RAID 5 or RAID 6 Groups only) 108TB
	Hot Swappable Drive	Yes
	External Parts	
	RJ-45 1GBE LAN Port	4 - with Link Aggregation /Failover Support
	RJ-45 10GBE LAN Port	2 - with Link Aggregation / Failover Support
	USB 3.0 Port	2
	Expansion Port	1
	PCIe	
	PCIe Expansion	2 x Gen3 x8 slots (x8 links)
	Add-in Card Support	PCIe NIC
	File System	

	Internal Drives	Btrfs, EXT4	
	External Drives	Btrfs, EXT4, EXT3, FAT, NTFS,HFS+	
	Appearance		
	Form Factor	2U	
	Size (HWD)	88mmx482mm x 724mm	
	Weight	14.5Kg	
	Rack Installation Support	4 -post 19" rack	
	Others		
	System Fan	80mm x 80mm x 4 pcs	
	Fan Speed Mode	Full speed, Cool, Quiet	
	Easy Replacement System Fan	Yes	
	Power Recovery	Yes	
	Noise Level	49.8 dB(A)	
	Schedule Power On/Off	Yes	
	Wake on LAN / WAN	Yes	
	Power Supply Unit / Adapter	500W	
	Redundant Power Supply	Yes	
	AC input Power Voltage	100 V to 240 V AC	
	Power Frequency	50/60 Hz, Single Phase	
	Power Consumption	156.23 W (access) 72.37 W (HDD Hibernation)	
	British Thermal Unit	533.08 BTU/hr (Access) 246.94 BTU/hr (HDD	

		Hibernation)	
	Temperature		
	Operating	0deg to 35deg centigrade	
	Storage	-20deg to 60deg centigrade	
	Relative Humidity	5% to 59% RH	
	Certification	EAC, VCCI, CCC, RCM KC, FCC, CE, BSMI	
	Warranty	5 Years	
	Environment	RoHS Compliant	
	Packaging Content	Main Unit x 1, Accessory Pack x 1 AC Power Cord x2 Quick Installation Guide x 1	
Item 2	NAS with 4 Slot, 8TB HD each Slot Specifications		
	Central Processing Unit		
	Architecture	64-bit	
	Frequency	4-core 1.5 (base) GHz / 2.3 (burst) GHz	
	Hardware Encryption Engine (AES-NI)	YES	
	Hardware Transcoding Engine	H.264(AVC), H.265(HEVC), MPEG-2 and VC-1; maximum resolution: 4k (4096 x 2160); maximum frame rate per second (FPS):30	
	Memory		
	System Memory	4GB DDR3L non-ECC SO-DIMM	
	Memory Module Pre- Installed	4GB x	

Total Memory Slot	2
Expandable up to	8GB (4GB x2)
Storage	
Drive Bays	4
Compatible Drive Types	3.5" SATA HDD, 2.5" SATA HDD, 2.5" SATA SSD
Maximum Drive Bays with Expansion Unit	9
M.2 Drive Slots	2 (NVMe)
Maximum Internal Raw Capacity	64 TB (16 TB drives x4)
Maximum Raw Capacity with Expansion Units	144 TB (64TB + 16TB drives x5)
Maximum Single Volume Size*	108 TB
Hot Swappable Drive	Yes
External Parts	
RJ-45 1GBE LAN Port	2 - with Link Aggregation /Failover Support
USB 3.0 Port	2
SATA Port	1
File System	
Internal Drives	Btrfs, EXT4
External Drives	Btrfs, EXT4, EXT3, FAT, NTFS,HFS+
Appearance	
Form Factor	2U

Size (HWD)	166mm x 199mm x 223mm
Weight	2.28 Kg
Others	
System Fan	92mm x 92mm x 2 pcs
Fan Speed Mode	Full speed, Cool, Quiet
Easy Replacement System Fan	Yes
Power Recovery	Yes
Noise Level	19.8 dB(A)
Schedule Power On/Off	Yes
Wake on LAN / WAN	Yes
Power Supply Unit / Adapter	100W
AC input Power Voltage	100 V to 240 V AC
Power Frequency	50/60 Hz, Single Phase
Power Consumption	12.6W HDD Hibernation
British Thermal Unit	98.27 BTU/hr (Access) 42.99 BTU/hr (HDD Hibernation)
Temperature	
Operating	5deg to 40deg centigrade
Storage	-20deg to 60deg centigrade
Relative Humidity	5% to 59% RH
Certification	EAC, VCCI, CCC, RCM KC, FCC, CE, BSMI
Warranty	3 Years extendable to 5 years - EW201

	Environment	RoHS Compliant	
	Packaging Content	Main Unit x 1, Accessory Pack x 1 AC Power Cord x1 Quick Installation Guide x 1 AC Power Adapter x1 RJ-45 LAN Cable x2	
Item 3	NAS with 8 Slot, 4TB HD each Slot Specifications		
	Central Processing Unit		
	Architecture	64-bit	
	Frequency	4-core 2.1 (base) GHz	
	Hardware Encryption Engine (AES-NI)	YES	
	Memory		
	System Memory	4GB DDR4 non-ECC SO-DIMM	
	Memory Module Pre- Installed	4GB x 1	
	Total Memory Slot	2	
	Expandable up to	32GB (16GB x2)	
	Storage		
	Drive Bays	8	
	Compatible Drive Types	3.5" SATA HDD, 2.5" SATA HDD, 2.5" SATA SSD	
	Maximum Drive Bays with Expansion Unit	18	
	M.2 Drive Slots	2 (NVMe)	
	Maximum Internal Raw Capacity	125 TB (16 TB drives x8)	

Maximum Raw Capacity with Expansion Units	288 TB (128TB + 16TB drives x10)
Maximum Single Volume Size*	108 TB
Hot Swappable Drive	Yes
External Parts	
RJ-45 1GBE LAN Port	2 - with Link Aggregation /Failover Support
USB 3.0 Port	2
SATA Port	2
PCIe	
PCIe Expansion	1 x Gen3 x8 slots (black, x4 links)
Add-in Card Support	PCIe NIC, M2D18-Dual M.2 SATA/NVMe SSD adapter card for SSD cache
File System	
Internal Drives	Btrfs, EXT4
External Drives	Btrfs, EXT4, EXT3, FAT, NTFS,HFS+
Appearance	
Size (HWD)	166mm x 343mm x 243mm
Weight	6.0 Kg
Others	
System Fan	120mm x 120mm x 2 pcs
Fan Speed Mode	Full speed, Cool, Quiet
Easy Replacement System Fan	Yes

	LED Indicators	Yes	
	Power Recovery	Yes	
	Noise Level	22.2 dB(A)	
	Schedule Power On/Off	Yes	
	Wake on LAN / WAN	Yes	
	Power Supply Unit / Adapter	250W	
	AC input Power Voltage	100 V to 240 V AC	
	Power Frequency	50/60 Hz, Single Phase	
	Power Consumption	66.69 W (access) 29.39 W (HDD Hibernation)	
	British Thermal Unit	228.63 BTU/hr (Access) 100.35 BTU/hr (HDD Hibernation)	
	Temperature		
	Operating	5deg to 40deg centigrade	
	Storage	-20deg to 60deg centigrade	
	Relative Humidity	5% to 59% RH	
	Certification	EAC, VCCI, CCC, RCM KC, FCC, CE, BSMI	
	Warranty	3 Years extendable to 5 years - EW201	
	Environment	RoHS Compliant	
	Packaging Content	Main Unit x 1, Accessory Pack x 1 AC Power Cord x1 Quick Installation Guide x 1 RJ-45 LAN Cable x2	
Item 4	NAS with 4 Slot, 4TB HD each Slot with UPS Specifications		

Central Processing Unit	
Architecture	64-bit
Frequency	4-core 1.5 (base) GHz
Hardware Encryption Engine (AES-NI)	YES
Hardware Transcoding Engine	H.264(AVC), H.265(HEVC),MPEG-2 and VC-1; maximum resolution: 4k (4096 x 2160); maximum frame rate per second (FPS): 30
Memory	
System Memory	4GB DDR3L non-ECC SO-DIMM
Memory Module Pre- Installed	4GB x 1
Total Memory Slot	2
Expandable up to	8GB (4GB x2)
Storage	
Drive Bays	4
Compatible Drive Types	3.5" SATA HDD, 2.5" SATA HDD, 2.5" SATA SSD
Maximum Drive Bays with Expansion Unit	9
M.2 Drive Slots	2 (NVMe)
Maximum Internal Raw Capacity	64 TB (16 TB drives x4)
Maximum Raw Capacity with Expansion Units	44 TB (64TB + 16TB drives x5)-
Maximum Single	108 TB

	Volume Size*	
	Hot Swappable Drive	Yes
	External Parts	
	RJ-45 1GBE LAN Port	2 - with Link Aggregation /Failover Support
	USB 3.0 Port	2
	SATA Port	1
	File System	
	Internal Drives	Btrfs, EXT4
	External Drives	Btrfs, EXT4, EXT3, FAT, NTFS,HFS+
	Appearance	
	Size (HWD)	166mm x 199mm x 223mm
	Weight	2.28 Kg
	Others	
	System Fan	92mm x 92mm x 2 pcs
	Fan Speed Mode	Full speed, Cool, Quiet
	LED Indicators	Yes
	Power Recovery	Yes
	Noise Level	19.8 dB(A)
	Schedule Power On/Off	Yes
	Wake on LAN / WAN	Yes
	Power Supply Unit / Adapter	100W
	AC input Power Voltage	100 V to 240 V AC

Power Frequency	50/60 Hz, Single Phase
Power Consumption	28.8 W (access) 12.6 W (HDD Hibernation)
British Thermal Unit	98.27 BTU/hr (Access) 42.99 BTU/hr (HDD Hibernation)
Temperature	
Operating	5deg to 40deg centigrade
Storage	-20deg to 60deg centigrade
Relative Humidity	5% to 59% RH
Certification	EAC, VCCI, CCC, RCM KC, FCC, CE, BSMI
Warranty	3 Years extendable to 5 years - EW201
Environment	RoHS Compliant
Packaging Content	Main Unit x 1, Accessory Pack x 1 AC Power Cord x1 Quick Installation Guide x 1 RJ-45 LAN Cable x2 AC Power Adapter x1
Specification for UPS	
Maximum Configurable Power (Watts)	600Watts /1.0kVa
Output Frequency (not synced)	50/60 Hz +/-1 Hz
Topology	Line Interactive
Waveform Type	Stepped approximation to a sinewave
Transfer Time	6ms : 10ms maximum
Input Frequency	50/60 Hz +/-5 Hz (auto sensing)

Input voltage (operation)	170 - 280 V
Number of Power Cords	1
Battery Type	Maintenance-free sealed Lead Acid with suspended electrolyte : leakproof
Typical Recharged Time	8 hrs
Expected Life	3-5 years
LED Status display with On Line :	On Battery
Alarm when on Battery	: distinctive low battery alarm: overload, continuous tone alarm
Surge energy rating	156 Joules
Size (HWD)	92mm x 160mm x 305mm
Weight	5.7 Kg
Color	Black
Operating Temperature	0-40deg centigrade
Relative Humidity	0-90%
Storage Temperature	0-2000.1meters
Storage RH	-20 - 50 deg centigrade
Audible noise at 1 meter from surface of unit	40.0dBA
Protection Class	IP 20
Warranty	2 Years repair or replace
Approvals	CE
RoHS	Yes

	REACH	Contains No SVHCs	
Item 5	Network Switch Specification		
	Interfaces	16x10/100/1000mb/s gigabit Ethernet (RJ45)(Uplink) 8x10/100/1000mb/s GigabitEthernet (RJ45)(Uplink)2x10Gb SFP+(Uplink)	
	Layer Services Support	Layer 2 Support, Layer 3 Support	
	Supported Protocol	Auto-MDIX/MDI Port Mirroring	
	Transmission Method	Store-and-Forward	
	Supported IEEE Standards	802.3af,802.at,802.3bt	
	Forwarding Rate	65.47 Mpps	
	Switching bandwidth	44 Gb/s (Non-Blocking)	
	OS Compatibility	Windows 7 or latest MacOS 10 or Latest Linux	
	Power Draw	50.00W (Max)	
	DC Input Power	11.5 to 52 VDC at 7.69A	
	AC Input Power	100 to 240 VAC, 50/60 Hz	
	PoE Power Budget	400W	
	PoE per Port	32 to 64 W	
	Power Supply Type	Internal	
	Operating Temperature	23to104oF -5 to 40oC	
	Operating Humidity	10 to 90%	

	Certifications	CE, FCC, IC,	
	Cooling System	Passive	
	Indicator Lights	Link/Activity, Link/Activity/Speed, PoE, System	
	Rack Form Factor	1 RU	
LOT 2	DISSEMINATION and SCANNING SOLUTIONS. Dissemination is a primary responsibility of any organization tasked with generating information. Sharing these thru training, seminars and other means of sharing knowledge needs ICT equipment. Producing these products/services must be usable and accessible as possible.		
Item 1	LED Projector (HDMI Ready) Specifications		
	LCD Panel	0.63" (1.6cm) P-Si TFT x 3	
	Resolution:	XGA (1024x768)	
	White light output (brightness) :	4000 ANSI Lumens (Normal Mode) 2600 ANSI Lumens (Eco Mode)	
	Brightness:	4000 ANSI Lumens (Normal Mode) 2600 ANSI Lumens (Eco Mode)	
	Contrast Ratio :	3000:01:00	
	Lens	Manual Focus, Manual Zoom x 1.2	
	Lamp Wattage	215W UHP	
	Lamp Life:	5000 hours (Normal Mode) 6000 hours (Eco Mode)*	
	Diagonal Display Size :	30~300" (76~762cm)	
	Number of colours	8 Bit/colour, 16.7M colours	

Keystone correction :	9:1 upward shift, fixed
Focus distance :	0.9m~9.0m (Wide), 1.0~10.7m (Tele)
Distance to width ratio:	1.5 (Wide), 1.8 (Tele)
Computer compatibility	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC 16
Composite/S-Video:	NTSC, PAL , SECAM, PAL -M, PAL -N, NTSC4.43, 1125p(1080p@50/60), 750p(720p@50/60)
HDMI Video:	Signal: 525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
Plug & Play	DDC2B
Speakers:	16W Mono (8W x 2)
Basic functions:	Freeze, Magnifying, Blank, Auto adjustment, Search, Page Up & Down (for USB mouse function), Auto signal search, Auto eco mode.
Picture Adjustments:	Aspect selection (video, data, HDMI), Equalizing Gamma Correction, Equalizing Color temperature adjustment, 2-3 pull down for NTSC, Mirror reverse image, up-side down image, Progressive Scan, Noise Reduction, Overscan
Digital keystone:	Auto V keystone ± 30 degrees (@ XGA 60Hz)
Advanced Features:	MyScreen, My Memory, My Button, My Text, My Source, Picture mode (normal, cinema, dynamic, blackboard,

		whiteboard greenboard, photo), Daytime Mode, Input Source Naming (English), Resolution setting, Template, Closed Caption (for NTSC & component 480i only), Audio pass through, Framelock, Audio ports assign, Cloning, Drawing function (Optional wireless pen tablet TB-1 is necessary), Eco Mode (Normal, Eco, Intelligent Eco, Saver), iOS Connectivity.	
	Outward	Easy lamp replace from top, Air filter slides towards front side or top	
	Power on & off:	Direct on, Auto off	
	Security Systems:	Security bar, PIN-Lock, MyScreen Password, Keypad-Lock, Kensington slot, Transition detector, My Text, Security label	
	Network:	Network presentation (PC still/moving picture transfer), Campus Notification system, Configure and control projector via web browser, receive alerts via e-mail, projector management via SNMP, Crestron RoomView®, Scheduling, My Image, displaying text data transferred via the network, Command Control via network, A MX Device Discovery, PJ Link™, Network Bridge	
	Digital Input:	1 x HDMI (HDCP compatible)	
	Computer Input:	2 x 15-pin Mini D-sub	
	Monitor output:	1 x 15-pin Mini D-sub (RCA combination)	
	Video Input:	2 x 15-pin Mini D-sub (shared with analogue computer in	

		1/2) 1 x RCA for composite 1 x Mini-DIN for S-Video	
Audio Input:		2 x Stereo Mini Jack, 1 x pair RCA (L/R) 1 x Microphone Jack (Stereo Mini)	
Audio Output:		1 x pair RCA (L/R)	
USB Type A:		2 x USB Type A (for PC-less presentation and wireless network)	
USB Type B		1 x USB Type B (for USB display or USB mouse control)	
Wired network		1 x RJ-45	
Wireless network:		Option, IEEE802.11b/g/n ready (optional wireless adapter required)	
Control		1 x 9-pin D-sub for RS232C Control	
Power Supply		100-120V / 220-240V auto switching	
Power Consumption /Standby:		300W/<0.5W (AC 220-240V)	
Dimensions (W x H x D) (Without feet):		317x98x288mm (excluding feet and extrusions)	
Weight		3.6Kg	
Noise Level:		35dB (Normal Mode)/ 31dB (Eco mode)	
Air Filter:		Hybrid (up to 5000 hours)	
Miscellaneous		Indicator lights (lamp, temp, power), Ceiling mount image, Rear projection image, Serial number label on side, MAC PC support: PJ Control software, MAC address label on side, LiveViewer	

		software	
	Certification	UL60950-1/cUL, FCC Part 15 subpart B class B, CE Marking: EN61000-3-2, EN61000-3-3, EN55022, EN55024 (EMC Directive), EN60950-1 (Low voltage directive), WEEE, RoHS, ErP (lot6) compliant, MKO-GS, GOST-R	
	Accessories Supplied	Remote control with batteries (HL02881), Computer cable, Power cord, Lens cap, Security label, Adapter cover, User manual (detail & concise), Network & wireless software (CD-ROM)	
	Warranty	2 years warranty	
Item 2	Portable Projector		
	Display System:	Chip LCD	
	Native Chip Resolution:	1024 x 768 (XGA)	
	Supported Resolutions:	VGA- 640 x 480, SVGA- 800 x 600, XGA - 1024 x 768, WXGA - 1280 x 800, WXGA+ - 1440 x 900, SXGA - 1280 x 1024, SXGA+ - 1400 x 1050, UXGA - 1600 x 1200, MAC16 - 832 x 624	
	Max Brightness:	4200 Lumens	
	Aspect Ratio:	4200 Lumens, Native: 4:3, Supported: 16:9	
	Contrast Ratio:	Supported: 16:10, 5000:01:00	
	Scan: Horizontal:	31.5 to 106 KHz	
	Lens:	f/1.6 - 1.8 (f = 19 - 23 mm)	
	Throw Distance:	34 - 429" / 86.36 - 1089.66 cm	

Throw Ratio	1.5 to 1.8:1
Projection Size	30 - 300" / 76.20 - 62.00 cm
Keystone Correction:	Vertical: $\pm 30^{\circ}$
Ceiling Mountable:	Yes
Rear Screen Projection:	Yes
Closed Captioning:	Yes
Input / Output Connectors	1 x HDMI Audio/Video (Input), 2 x VGA (DE-15) Video (Input), 1 x VGA (DE-15) Video (Output), 1 x S-Video (4-Pin DIN) Video (Input), 1 x Composite (RCA) Video (Input), 1 x RCA Stereo (L/R) Audio (Input), 2 x 1/8" / 3.5 mm Mini Audio (Input), 1 x 1/8" / 3.5 mm Mini Microphone (Input), 1 x RCA Stereo (L/R) Audio (Output), 2 x USB Type-A Female, 1 x USB Type-B Female, 1 x Ethernet (RJ45) LAN, 1 x RS-232C (Unspecified Connector) Control
Lamp Power:	225 W
Medium Brightness:	5000 Hours
Low Brightness	10,000 Hours
Security:	Cable Lock Slot, Password Protection, Security Bar
Power Consumption:	
Medium Brightness:	330 W,

	Low Brightness	310 W,
	Standby Mode (Lamp Off):	<0.5 W
	Operating Temperature:	40 to 95°F (4 to 35°C)
	Dimensions (W x H x D):	12.6 x 3.4 x 9.7inches
	Weight:	6.8 lb / 3.1 kg
	Packaging InfoPackage Weight:	10.15 lb
	Box Dimensions (LxWxH):	14.7 x 12.5 x 6.4"
	Warranty :	2 years
Item 3	Motorized Screen Projector	
	Optical Technology:	1
	Operation Type:	Automatic with Switch or Remote
	Screen Fabric Color:	Matte White
	Viewing Area (W x H):	80" x 45"
	Diagonal:	92"
	Material:	Matte White
	Aspect Ratio:	16 : 09
	Gain	1 : 03
	Viewing Angle:	160 degrees
	Remote Control Requires:	1 x 23A 12V Battery (included)
	Visual Width:	80" / 203cm
	Visual Height:	45" / 114 cm
	Left /Right Black	1.18" / 3cm

	Edge:	
	Bottom Black Edge:	0.79"/ 2cm
	Shell Length:	89"/ 225cm
	Features	<p>Suitable for: Home Theater Movies, Classroom Training, Conference Room Presentations, Public Display, Etc</p> <p>New and high quality Ideal for home theater movies, classroom training, conference room presentations, public display, etc.</p> <p>Dual wall & ceiling installation design</p> <p>High contrast 1.3 gain screen optimizes picture Quality Matte white viewing surface diffuses projected light uniformly</p> <p>4-side black masking borders increase picture focus & contrast</p> <p>16:9 screen format and diagonal 92" offers 80" x 45" viewing area</p>
Item 5	24 Inches LED MONITOR	
	Connectors	1 HDMI ports 1 Headphone Output 1 VGA (D-Sub) ports
	Image Properties	
	Supported Graphics Screen	1920 x 1080
	Screen Size	23.50 Inches
	HD Type	Full HD
	Display Colours	16.78 M

	Color Gamut (Adobe RGB)	72%
	Display Technology	LED
	Panel Type	VA
	Response Time	4ms
	Viewing angle (H)	170
	Viewing angle (V)	0:00
	Panel Design	Curved
	Height (w/o stand)	12.80 inches
	Depth (w/ stand)	8.11 inches
	Width (w/ stand)	21.61 inches
	Weight	7.30lb
	Power Consumption (standby mode)	0.3 W
	Power consumption (typical)	25 W
	Power Supply Type	AC 100-240 Volts
Item 5	27 Inches LED MONITOR	
	Display Size Class	27 inches
	Width	23.4935 inches
	Height	13.2151 inches
	Panel Type	IPS
	Resolution	2560 x14140 pixels
	Quad HD	(QHD) / 1440p
	Colors	16.7 M / 24 Bits
	Display Area	92.16%

Backlight	W-LED
Viewing angle (H)	178 deg
Viewing angle(V)	178 deg
Response time	8 ms
Power Supply and Consumption Permissible voltage	220V 220v-240v
power consumption (off)	0.3 W
Power consumption (sleep)	0.5 W
Power consumption (ave)	30 W
Power consumption (max)	74 W
Dimensions Width	24.1024 in
Height	13.9764 in
Depth	1.5354 in
Weight	3.92 kgs
Width w/ stand	24.1024 in
Height w/ stand	16.3622 in
Depth w/ stand	7.0866 in
Weight w/stand	5.96 kgs
Ergonomics VESA mount	yes
VESA interface	100 x 100 mm
Removable stand	yes
Height adjustment	yes

	height adjustment range	5.1181 in	
	Landscape/portrait pivot	yes	
	Left pivot	90 deg	
	Right pivot	90 deg	
	Left/right swivel	yes	
	left swivel	40deg	
	Right swivel	40 deg	
	Forward/back Tilt	Yes	
	Forward tilt	5 deg	
	Backward tilt	21 deg	
	Connectivity USB 3.0-charger-5v/2a	2	
	USB 3.0-downstream	2	
	USB 3.0 -upstream	1	
	HDMI 1.4	1	
	Display port (output MST)	1	
	Display port 1.4	1	
	3.5 mm Audio Out	1	
	Features DDC/CI Flicker free technology HDCP (high-bandwidth digital Content Protection) 2.2		
	Accessories HDMI cable USB 3.0 Upstream cable		
Item 6	55 Inches LED MONITOR		

Display Screen Size	55"
Resolution	3,840 x 2,160
Colour	PurColour
Picture Engine	UHD Engine
HDMI	3
USB	2
Product Type	LED
Energy Efficiency (NEA)	4 Ticks
Video Motion Rate	100
PQI (Picture Quality Index)	1400
HDR (High Dynamic Range)	HDR
HDR 10+	Yes
HLG (Hybrid Log Gamma)	Yes
Contrast	Mega Contrast
Micro Dimming	UHD Dimming
Contrast Enhancer	Yes
Auto Motion Plus	Yes
Film Mode	Yes
Natural Mode Support	Yes
Audio Dolby Digital Plus	Yes
Dialog Enhancement	Yes
Sound Output	20W

	(RMS)	
	Speaker Type	2CH
	Multiroom Link	Yes
	Bluetooth Audio	Yes
	Works with Google Assistant	Yes (SG only)
	Web Browser	Yes
	SmartThings App Support	Yes
	Gallery	Yes
	Convergence Mobile to TV - Mirroring, DLNA	Yes
	Bluetooth Low Energy	yes
	TV Sound to Mobile	Yes
	WiFi Direct	Yes
	Differentiation Analog Clean View	Yes
	Tuner/Broadcasting Digital Broadcasting	DVB-T2
	Analog Tuner	Yes
	Data Broadcasting	HbbTV1.5(SG)
	TV Key Support	Yes
	Connectivity HDMI	3
	USB	2
	Component In (Y/Pb/Pr)	1

Composite In (AV)	1 (Common Use for Component Y)
Ethernet (LAN)	Yes
Digital Audio Out (Optical)	1
RF	In (Terrestrial / Cable input / Satellite input) 1/1(Common Use for Terrestrial)/0
HDMI A / Return Ch. Support	Yes
HDMI Quick Switch	Yes
Wireless LAN Built-in	Yes
Anynet+ (HDMI-CEC)	Yes
Design Design	Edge New
Bezel Type	VNB
Slim Type	Slim
Front Colour	CARBON SILVER
Stand Type	BENDING PLATE
Stand Color	DARK CARBON SILVER
Additional Feature Processor	Core Quad-
Accessibility	Voice guide(UK English, Korean, (Singapore: +France, Italy, Germany, Spanish))/ Enlarge/ High contrast/ Learn TV Remote(UK English, (Singapore: +France, Spanish))/ Multi-output Audio/ Negative Colors/ Grayscale/ Learn Menu Screen(UK English, (Singapore: +France, Spanish)) / Video

		Zoom / Key Repeat Delay	
	Digital Clean View	Yes	
	Auto Channel Search	yes	
	Auto Power Off	Yes	
	Caption (Subtitle)	yes	
	Connect Share™ (HDD)	Yes	
	ConnectShare™ (USB 2.0)	Yes	
	EPG	Yes	
	Game Mode	Yes (Auto Game Mode)	
	OSD Language	Local Languages	
	USB HID Support	yes	
	Teletext (TTX)	Yes	
	IPv6 Support	Yes	
	MBR Support	Yes	
	Eco Feature Eco Sensor		Yes
	Energy Efficiency (NEA)	4 Ticks	
	Power Power Supply	240V 50/60Hz	AC100-
	Power Consumption (Max)	145 W	
	Yearly Power Consumption (EU standard)	201 kWh	
	Accessory Remote Controller Batteries (for Remote Control)	Yes	

	Mini Wall Mount Support	Yes	
	Vesa Wall Mount Support	Yes	
	User Manual	Yes	
	E-Manual	Yes	
	Power Cable	Yes	
Item 7	60 Inches LED MONITOR		
	Display Technology	LCD	
	Screen Size	60 inches	
	Resolution	1080 (Full HD)	
	Viewable Screen Size	60 inches	
	Backlight Technology	Edge LED	
	Horizontal Viewing Angle	176 deg	
	Vertical Viewing Angle	176 deg	
	Aspect Ratio	16:09	
	Features	Media Player, Wallpaper Mode	
	Digital Tuner	ATSC	
	Video Signal Standard	HDTV	
	Scan Format	1080p	
	RMS Output Power	20W	
	Ethernet	Yes	
	HDMI	Yes 3 Ports	
	USB	Yes	
	VGA	Yes	

	Input Voltage	120 VAC,230 VAC
	Operating Power consumption	150 W
	Maximum Resolution	1920 x 1080
	H W D	31.2 x 53.4 x 3.4 in
	Weight (Aprox)	52.90 lb
	1 Year Warranty on Services and Parts for ALL Monitors	

	SCANNING DEVICES	
Item 8	ADF SCANNER	
	Specification	
	Design	
	Scanner Type	ADF Scanner
	Performance	
	Sensor Type	CIS
	Light Source	RGB LED
	Scan File Formats	JPG, PDF
	Scan To File	Image
	Ports and Interfaces	
	Standard Interfaces	USB 1.1, USB 2.0, USB 3.0, Wireless LAN
	Weight and Dimensions	
	Weight	3 Kgs
	Width	292 mm
	Depth	159 mm
	Height	168 mm
	Scanning	
	Maximum Scan Size:	216 x 360 mm
	Optical Scanning Resolution	600 x 600 DPI
	Colour Scanning	YES
	Duplex Scanning	YES
	ADF Scan Speed (B/W, A4)	25 ppm
	ADF Scan Speed (Colour, A4)	25 ppm
	Film Scanning	NO
	Power	
	Power Supply Type	AC
	Power Consumption (Typical)	20 W

	Power Consumption (Standby)	2.5 W
	AC Input Frequency	50-60 Hz
	Input Voltage	100-240 V
	Paper Handling	
	Maximum ISO A-series paper size	A4
	Scanning Media Types	
	Supported	Business Card, Plain Paper, Post Card (JPN)
	Maximum Scan Area (ADF)	216 x 360 mm
	Minimum Scan Area (ADF)	50.8 x 50.8 mm
	ADF Media Weight	40-209 g/m ²
	Multi Feed Detection	YES
	ISO A-series Sizes (A0..A9)	A4, A5, A6
	ISO -B-series sizes (B0..B9)	B5, B6
	Letter	YES
	Legal	YES
Item 9	BOOK SCANNER	
	Specification	
	Element Type	CMOS
	Light source	LED
	Scanning Speed	29 ppm
	Color Depth	24 bit
	Optical Resolution	4608 x 3456
	Ports	USB Ports
	Warranty	12 months return to Base Std
Item 10	PORTABLE SCANNER	
	Specification	
	Scanner Type:	Sheet-fed, one-pass duplex color scanner
	Optical Resolution:	600 dpi
	Hardware Resolution:	600 dpi
	Maximum Resolution:	1200 dpi
	Color Bit Depth	48-bit input
	Grayscale Bit Depth	24-bit output
	Light Source:	3-color RGB LED
	Scanning Speed	25 ppm/50 ipm: 300dpi B/W, Color, Gray

	Operating System	Windows 7,8/8.1,10 MAC OS X 10.6.8-10.12.x
	Humidity Operating	15-80% (no condensation)
	Operating Temperature	41-95 deg F (5-35 deg C)
	Dimensions	11.3 x 3.5 x 2.0 (Product only)
	Weight	2.4lb (product only)
	ECO Features	ENERGY STAR qualified RoHS compliant Recyclable product
Item 11	SCANNER	
	Specification	
	Scanner Type:	A4 flatbed colour image scanner
	Sensor Type:	CIS
	Light Source:	LED
	Optical Resolution:	1200 x 1200 dpi
	Output Resolution:	50 - 1200 dpi (in 1 dpi increments)
	Scanner Bit Depth (Colour):	30 - bit input, 24 - output
	Scanner Bit Depth (Grayscale):	10-bit input, 8 bit output
	Scanner Bit Depth (Black & White):	10 bit input, 1 bit output
	Max Document Size:	216 x 297 mm
	Output File Formats	JPEG, TIFF, Multi-TIFF, PDF, Searchable PDF, BMP, PNG
	Document Capture Pro (Win):	JPEG, BMP, PDF, Searchable PDF, Multi-TIFF, PNG, DOCX, XLSX, PPTX
	Scan Speed:	
	Flatbed (Black/Colour):	200 dpi: 6.0 sec/7.0 sec 300 dpi: 6.0 sec/ 7.0 sec 600 dpi: 14 sec / 26 sec
	ADF Monochrome	
	(Simplex/Duplex)	200 dpi: 25ppm / 10ipm 300 dpi: 25ppm / 10ipm 600 dpi: 10ppm / 6.0ipm
	ADF Colour	
	(Simplex/Duplex)	200 dpi: 25ppm / 10ipm 300 dpi: 25ppm / 10ipm 600 dpi: 10ppm / 6.0ipm
	ADF Specification	

	Scanner Type:	
	Light Source:	RGB LED
	Optical Resolution:	600 x 600 dpi
	Output Resolution:	50-1200 dpi (in 1 dpi increments)
	Min Document Size	89 x 127 mm (Simplex), 89 x 170 mm (Duplex)
	Max Document Size:	215.9 x 3048 mm
	Support Paper Thickness	50gsm - 120 gsm
	ADF Capacity	50 sheets
	Automatic Duplex Scanning	Yes(3-pass)
	Daily Duty Cycle:	Up to 1500 pages / day
Item 12	TOPLOAD SCANNER	
	Specification	
	Printing Method	On-demand Inkjet
	Nozzle configuration	400x1 nozzles Black, 28x1 nozzles each color (Cyan, Magenta, Yellow)
	Minimum Ink Droplet Volume	3 Picoliters
	Resolution:	4800 x 1200 dpi (with Variable - sized Droplet Technology)
	Print Speed:	
	Black text A4	13.7 ISO ppm
	Colour Text A4	7.3 ISO ppm
	Paper Handling	
	Paper Feed Method	Friction feed with paper feeder and automatic document feeder
	Paper Hold Capacity	150 sheets-A4/LTR Plainpaper (80g/m2), 20 sheets-PGPP, 10 sheets-Envelop
	Double-Sided Printing	YES
	Scanning Function	
	Scanner Type	A4Flatbed colour image scanner
	Document Size	Up to A4
	Resolution	1200 x 2400 dpi
	Copy Function	
	Black Text A4	11 ipm

Colour Text A4	5.5 ipm
FAX	
Transmission and Reception	
Type	Walk-up black-and-white and colour fax capability
Transmission Speed	Up to 33.6kbs (approx. 3 secs per page)
Speed Dial	Up to 60 names per dial
Memory	Up to 100 pages (ITU-T No.1 chart)
Fax Resolution	Black and White Std- 8pels/mm x 3.85lines/mm Fine; 8pels/mm x 7.7line/mm Photo: 8pels/mm x 7.7lines/mm Colour: Fine: 200 x 200 dpi, Photo: 200 x200 dpi
Error Correction Mode	ITU Group3 fax with Error Correction Mode
PC Fax	YES
Group Dial	YES Up to 30 groups
Broadcast Fax	YES (mono only)
Automatic Document Feeder Function	
Maximum Document Size	A4
Paper Types Supported	Plain paper 64-95g/m2
Paper Capacity	30 pages (Xerox-P64g/m2) or 3mm (letter),A4) /10 sheets (legal)
Operating Systems	
Printer Drivers	
Windows XP/XP Professional x64 Edition/Vista/7/8/8.1/10, Windows Server 2003/2003 x64 Edition/2003 R2/2003 R2 x64 Edition/2008/2008 R2/2012/2012 R2	
*- Under Windows Server OS, only printing and scanning are supported. MAC OS X 10.6.8, 10.7.x, 10.9.x, 10.10.x"Windows XP/XP Professional x64	
Electrical	
Rated Voltage	AC 100 ~ 240 V
Rated Frequency	50 ~ 50Hz
Power Consumption	Approx 11W Standalone copying (ISO/IEC 24712) Approx 1.5 W (Sleep Mode)
Noise Level *	6.4B (ISO7779 Pattern) 50db
* - PC Printing / Plain Paper default. Default mode is in accordance with ISO7779	

	Interfaces	
	Connectivity	High Speed USB - Compatible with USB 2.0 specification
	Mobile Printing	Apple Airprint, Google Cloud Print, Scan to Cloud, Remote Print Driver
	Networking	802.11b/g/n Wi-fi direct
	Ethernet	100BASE-TX/10BASE-T
	LCD Screen	2.2 inches mono LCD
	Card Slots: Built in	N/A
Item 13	OVERHEAD SCANNER	
	Specification	
	Scanner Type	Overhead, simplex
	Scanning Modes	Color, Grayscale, Monochrome, Automatic (Color/ Grayscale/ Monochrome detection)
	Image Sensor	Lens reduction optics/color CCD x1
	Light source	(White LED + lens illumination) x2
	Optical Resolution	285 to 218 dpi (Horizontal) 283 to 152 dpi (Vertical)
	Document size	Maximum: 432 x 300 mm Minimum: 25.4 x 25.4 mm"
	Document Thickness	30 mm or less
	Scanning	Normal: Press Button per page Timed interval scan Page turning detection
	Interface	USB 2.0/ USB 1.1 (Connector type: B)
	Image Processing function Desskew by text on document Auto paper size detection Auto image rotation Auto color detection Book image correction Multiple document detection	
	Magnification in Vertical Scanning (length)	± 1.5 %
	Power Requirement	AC 100 to 240 V, 50/60 Hz
	Dimensions	210 x 156 x383 mm
	Device Weight	3 Kgs

Item 14	Environmental Compliance	YES
	With Driver	YES Up to 30 groups
	BAR CODE READER / SCANNER	
	Specification	
	Mechanical Dimension:	170 x 66 x 85 mm
	Weight:	20g
	Electrical Input Voltage:	4~5.5 V DC
	Operating Power:	2W, 400mW@ 5V
	Typical Standby Power:	0.45W, 90mW@ 5V
	Typical DC Power:	Class 2, 5.2V DC @1deg
	EMC:	EN55022, EN55024 class B LED
	Envinronmental Operating	
	Temperature:	0 - 40 centigrade
	Storage Temperature:	-40 - 60 centigrade
	Humidity:	5-95%
	Relative Humidity:	Non-condensing
	Light Levels:	0-100,000LUX
	Drop tolerance:	withstand fall from up to 1 meter
	IP level	
	IP40 Motion Tolerance:	100mm/sec, 13mil UPC
	Performance Light	
	Source:	White LED
	Sight:	Red LED, 617nm
	Visual Indicator: Green= Decoding successful Red = Decoding failed	
	System Interface:	KBW
	USB Scan Pattern	
	Image Scan Angle	
	Pitch:	±70 deg
	Tilt:	±60 deg
	Rotation:	±180deg
	Print Contrast Minimun 35% contrast decoding supports most standard 1D and mainstream 2D symbology, as well as those on electronic screens (such as mobile phones).	
	1 Year Warranty on Services and Parts for ALL SCANNERS	

LOT 3	UPS for Workstation	
	Specification	
	OUTPUT	
	Output Power Capacity	325 Watts / 625 VA
	Max Configurable Power	325 Watts / 0 VA
	Nominal Output Voltage	230 V
	Efficiency at Full Load	65.3%
	Topology	Standby
	Waveform	Square wave
	Output Connections	(3) Universal Receptacle (Battery Backup)
	Efficiency at Half Load	75.8%
	INPUT	
	Nominal Input Voltage	230 V
	Input Frequency	45 - 65 Hz
	Input Connections	IEC-320 C14
	Cord Length	1.22 meters
	Input voltage range for main operations	151 - 299V
	Maximum Input Current	3A
	Type of input Protection	3-pole breaker
	Battery Type	maintenance free sealed lead-Acid Battery with suspended
	Included Battery modules	1
	Typical recharge time	6 hour(s)
	SURGE PROTECTION AND FILTERING	
	Surge energy rating	273 Joules
	Environmental	
	Operating Environmental	0-40 0C
	Operating Relative Humidity	0 - 95%
	Storage Temperature	-15 - 400C

	Storage Relative Humidity	0 - 95%
	Audible noise at 1 meter from surface of unit	45.00dBA
	Conformance	
	Standard Warranty	2 years repair or Replace
	Sustainable offer Status RoHS	RoHS Compliant
LOT 4	UPS FOR SERVER	
	Specification	
	Device Type	UPS - external
	Rack Size	6U
	Weight	191.8 lbs
	Input Voltage	AC 200/208/220/230/240 V
	Output Voltage	AC 200/208/220/230/240 V ± 2%
	Power Capacity	9 kW / 10000 VA
	Input Connectors	Hardwire
	Output connectors	4 x power NEMA L6-20 2 x power NEMA L6-30
	Battery	Lead acid
	Battery Form Factor	External
	Run Time (Up To)	6 min at full load
	Color	Attractive black
	Dimensions (WxDxH)	17.5 in x 32.5 in x 10.5 in
	Manufacturer Warranty	2-year warranty
	Device Type	UPS - external
	Battery Enclosure Type	External
	Height (Rack Units)	6U
LOT 5	PORTABLE STORAGE DEVICES. PSDs are prevalent in the workplace. Agencies have these devices issued to employees in the course of employment. It is provided to employees when official business is conducted away from the employee's desk or workplace.	
Item 1	Flash Drive 32 Gb (OTG)	
	Ultra Dual Drive micro USB and USB 3.0 Retractable	
	High-speed USB 3.0 with up to 150MBs file transfer speed	
Item 2	Flash Drive 16 Gb (OTG)	
	Ultra Dual Drive micro USB and USB 3.0 Retractable	

	High-speed USB 3.0 with up to 130MBs file transfer speed	
	1 year Warranty on OTGs	
Item 3	External Hard Drive	
	Storage Capacity :	4 TB
	Connection:	USB 3.0
	Hard Drive Size:	2.5 inches
Item 4	External Hard Drive	
	Storage Capacity :	2 TB
	Connection:	USB 3.0
	Hard Drive Size:	2.5 inches
	1 year Warranty on External Hard Drives	
LOT 6	ADOBE SOFTWARE	
Item 1	Adobe Acrobat	
Item 2	Adobe Illustrator	
Item 3	Adobe Photoshop	

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);
or
- ☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,
and
- ☐ (c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and
- ☐ (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

- ☐ (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (g) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- ☐ (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (i) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- ☐ (j) 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

- ☐ (k) The Supplier’s audited financial statements, showing, among others, the Supplier’s total and current assets and liabilities, stamped “received” by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- ☐ (l) The prospective bidder’s computation of Net Financial Contracting

Capacity (NFCC);

or

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

Class “B” Documents

- ☐ (m) 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)

- ☐ (n) *[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.
- ☐ (o) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

25 FINANCIAL COMPONENT ENVELOPE

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

