



LANDBANK

SERVING
THE NATION

**SUPPLEMENTAL/BID BULLETIN NO. 2
For LBP-HOBAC-ITB-GS-20220930-02**

PROJECT : **Forty-One (41) Units Laptop Computer, Standard**
IMPLEMENTOR : **HOBAC Secretariat Unit**
DATE : **January 27, 2023**

This Supplemental/Bid Bulletin is issued to modify, amend and/or clarify certain items in the Bid Documents. This shall form an integral part of the Bid Documents.

Modifications, amendments and/or clarifications:

- 1) The bidder/s are encouraged to use the Bid Securing Declaration as Bid Security.
- 2) The Bid Data Sheet (Clause 20 of Section III), Terms of Reference (Annexes D-1 and D-2), Technical Specifications (Section VII), List of LANDBANK Officers, Employees and Consultants(s) (Annex E-1.1 and E-1.2), Omnibus Sworn Statement (Sample form - Form No. 6) and Checklist of Bidding Documents (Items 12 and 13 of Technical Documents and Item 4 of Post-Qualification Documents/Requirements) have been revised. Please see attached revised Form No. 6, Annexes D-1, D-2, E-1.1 and E-1.2, and specific sections of the Bidding Documents.
- 3) The submission and opening of bids is re-scheduled on **February 3, 2023** at 10:00 A.M. through videoconferencing using Microsoft (MS) Teams.


ATTY. HONORIO T. DIAZ, JR.
Head, HOBAC Secretariat Unit

Bid Data Sheet

ITB Clause								
5.3	<p>In view of the determination by LANDBANK that the imposition of the provisions of Section 23.4.1 of IRR of RA 9184 will likely result to failure of bidding/monopoly that will defeat the purpose of public bidding, the Bidder should comply with the following requirements:</p> <p style="margin-left: 40px;">a. The Bidder must have completed a contract that is similar to this Project, the value of which, adjusted to current prices using the PSA's CPI, must be equivalent to at least fifty percent (50%) of the ABC of this Project.</p> <p style="text-align: center; margin-left: 100px;">or</p> <p style="margin-left: 40px;">b. The Bidder must have completed at least two (2) contracts similar to this Project, the aggregate amount of which, adjusted to current prices using the PSA's CPI, must be equivalent to at least fifty percent (50%) of the ABC for this Project, and the largest of these similar contracts must be equivalent to at least twenty five percent (25%) of the ABC for this Project.</p> <p>A contract shall be considered similar to this Project if it involves supply and delivery of IT equipment. Moreover, it must have been completed within five (5) years prior to the deadline for the submission and receipt of bids.</p>							
7	Subcontracting is not allowed.							
12	The price of the Goods shall be quoted DDP specified delivery site/s 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 border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 70%; text-align: center;">Form of Bid Security</th> <th style="width: 30%; text-align: center;">Minimum Amount of Bid Security</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">(a) Cash or cashier's/ manager's check issued by a Universal or Commercial Bank;</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">PhP49,200.00</td> </tr> <tr> <td style="padding: 5px;">(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank; and</td> </tr> <tr> <td style="padding: 5px;">(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.</td> <td style="text-align: center; vertical-align: middle;">PhP123,000.00</td> </tr> </tbody> </table>	Form of Bid Security	Minimum Amount of Bid Security	(a) Cash or cashier's/ manager's check issued by a Universal or Commercial Bank;	PhP49,200.00	(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank; and	(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	PhP123,000.00
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(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank; and								
(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	PhP123,000.00							

	<p>The HOBAC, with the assistance of the HOBAC Secretariat, conducts bid evaluation and ranking of the bids. The results of bid evaluation and ranking shall be recorded in the Abstract of Bids, which shall be signed by the HOBAC Members and Observers. The result of evaluation and ranking shall also be announced to the participants.</p> <p>The retrieval and opening of the electronic bids, page-by-page review of documents and the results of the bid evaluation and ranking shall be shown to the participants through the screen sharing feature of MS Teams.</p> <p>The access of the bidders to the videoconferencing/calling session shall be terminated once the Chairperson has declared that the bid opening activity for a specific project has been finished.</p>
19.3	<p>The lot and reference is:</p> <p>41 Units Laptop Computer, Standard with Project Identification Number LBP-HOBAC-ITB-GS-20220930-02.</p> <p>The goods are grouped in a single lot and the lot shall not be divided further into sub-lots for the purpose of bidding, evaluation and contract award.</p>
20	<p>The following documents shall be submitted by the Bidder with the Lowest Calculated Bid:</p> <ol style="list-style-type: none">1. Original copy of Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).2. Original copy of duly notarized Revised Omnibus Sworn Statement (OSS) (sample form - Form No.6).3. Duly notarized Secretary's Certificate designating the authorized signatory in the Contract Agreement if the same is other than the bidder's authorized signatory in the bidding (sample form – Form No. 7).
21	<p>No further instructions.</p>

Technical Specifications

Specifications	Statement of Compliance
<p>41 Units Laptop Computer, Standard</p> <ol style="list-style-type: none">1. Minimum technical specifications and other requirements per attached Revised Annexes D-1 and D-2.2. The documentary requirement indicated in Revised Annex D-2, of the Technical Specifications shall be submitted in support of the compliance of the Bid to the technical specifications and other requirements. <p>Non-submission of the above documents may result in the post-disqualification of the bidder.</p> <p>The winning supplier must affix sticker/tag/label for the unit with company name and after-sales contact number(s) or equivalent form of marking on the equipment.</p>	<p>Bidders must state below either “Comply” or “Not Comply” against each of the individual parameters of each Specification preferably stating the corresponding performance parameter of the product offered.</p> <p>Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.</p> <p>Please state here either “Comply” or “Not Comply”</p>

Conforme:

Name of Bidder

Signature over Printed Name of
Authorized Representative

Position

Form No. 6

Omnibus Sworn Statement

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

AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

[If a sole proprietorship:] The owner or sole proprietor is not related to the following LANDBANK Officers, employees and consultants: 1) members of the Board of Directors; 2) President and CEO; 3) members of the Head Office Bids and Awards Committee (HOBAC); 4) members of the Technical Working Group, if applicable; 5) personnel of Procurement Department; 6) personnel of the implementing unit or the end-user unit; and 7) project consultants, if applicable, by consanguinity or affinity up to the third level degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the following LANDBANK Officers, employees and consultants: 1) members of the Board of Directors; 2) President and CEO; 3) members of the Head Office Bids and Awards Committee (HOBAC); 4) members of the Technical Working Group, if applicable; 5) personnel of Procurement Department; 6) personnel of the implementing unit or the end-user unit; and 7) project consultants, if applicable, by consanguinity or affinity up to the third level degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the following LANDBANK Officers, employees and consultants: 1) members of the Board of Directors;

2) President and CEO; 3) members of the Head Office Bids and Awards Committee (HOBAC); 4) members of the Technical Working Group, if applicable; 5) personnel of Procurement Department; 6) personnel of the implementing unit or the end-user unit; and 7) project consultants, if applicable, by consanguinity or affinity up to the third level degree;

7. *[Name of Bidder]* has no unsatisfactory performance with its ongoing projects:
8. *[Name of Bidder]* complies with existing labor laws and standards; and
9. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
10. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
11. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this ___ day of ___, 21__ at _____,
Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

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

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

Notary Public

Doc. No. _____;
Page No. _____;
Book No. _____;
S. of _____.

Checklist of Bidding Documents for Procurement of Goods and Services

The documents for each component should be arranged as per this Checklist. Kindly provide guides or dividers with appropriate labels.

Eligibility and Technical Components (PDF File)

- ***The Eligibility and Technical Component shall contain documents sequentially arranged as follows:***

- **Eligibility Documents – Class “A”**

Legal Eligibility Documents

1. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)

Technical Eligibility Documents

2. Duly notarized Secretary's Certificate attesting that the signatory is the duly authorized representative of the prospective bidder, and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the prospective bidder in the bidding, if the prospective bidder is a corporation, partnership, cooperative, or joint venture 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. (sample form - Form No. 7).
3. 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, within the last five (5) years from the date of submission and receipt of bids. The statement shall include all information required in the sample form (Form No. 3).
4. Statement of the prospective bidder identifying its Single Largest Completed Contract (SLCC) similar to the contract to be bid within the relevant period as provided in the Bidding Documents. The statement shall include all information required in the sample form (Form No. 4).

Financial Eligibility Documents

5. The prospective bidder's audited financial statements, showing, among others, the prospective bidder'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.

6. The prospective bidder's computation for its Net Financial Contracting Capacity (NFCC) following the sample form (Form No. 5), or in the case of Procurement of Goods, a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.
- **Eligibility Documents – Class “B”**
 7. Duly signed valid joint venture agreement (JVA), in case the joint venture is already in existence. In the absence of a JVA, 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 shall be included in the bid. Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security. Each partner of the joint venture shall submit its legal eligibility documents. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance, provided, that the partner responsible to submit the NFCC shall likewise submit the statement of all its ongoing contracts and Audited Financial Statements.
 8. 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.
 9. Certification from the DTI if the Bidder claims preference as a Domestic Bidder.
 - **Technical Documents**
 10. Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).
 11. Section VI – Schedule of Requirements with signature of bidder's authorized representative.
 12. Revised Section VII – Specifications with response on compliance and signature of bidder's authorized representative.
 13. Duly notarized Revised Omnibus Sworn Statement (OSS) (sample form - Form No.6).

Note: During the opening of the first bid envelopes (Eligibility and Technical Component), only the above documents will be checked by the BAC if they are all present using a non-discretionary “pass/fail” criterion to determine each bidder's compliance with the documents required to be submitted for eligibility and the technical requirements.

- **Other Documents to Support Compliance with Technical Specifications [must be submitted inside the first bid envelope (Eligibility and Technical Component)]**
 1. Manufacturer's authorization (sample form - Form No. 9) or its equivalent document, confirming that the bidder is authorized to provide the equipment and consumables supplied by the manufacturer, including any warranty obligations and after sales support as may be required.
 2. List of at least one (1) service center each in Metro Manila, Visayas & Mindanao preferably in key major cities with complete addresses, contact persons and contact details or provide onsite service.
 3. Brochures or other official documents coming from the manufacturer indicating the complete specifications of the offered product/brand.

- **Post-Qualification Documents/Requirements – [The bidder may submit the following documents/requirements within five (5) calendar days after receipt of Notice of Post-Qualification]:**
 1. Business Tax Returns per Revenue Regulations 3-2005 (BIR No.2550 Q) VAT or Percentage Tax Returns for the last two (2) quarters filed manually or through EFPS.
 2. Latest Income Tax Return filed manually or through EFPS.
 3. Original copy of Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).
 4. **Original copy of duly notarized Revised Omnibus Sworn Statement (OSS) (sample form - Form No.6).**
 5. Duly notarized Secretary's Certificate designating the authorized signatory in the Contract Agreement if the same is other than the bidder's authorized signatory in the bidding (sample form – Form No. 7).

Financial Component (PDF File)

- ***The Financial Component shall contain documents sequentially arranged as follows:***
 1. Duly filled out Bid Form signed by the Bidder's authorized representative (sample form - Form No.1).

2. Duly filled out Schedule of Prices signed by the Bidder's authorized representative (sample form - Form No.2).

Note: The forms attached to the Bidding Documents may be reproduced or reformatted provided the information required in the original forms and other requirements like signatures, if applicable, are complied with in the submittal.

List of LANDBANK Officers, Employees and Consultant(s)

A. Board of Directors

Ex-Officio Chairman: Sec. Benjamin E. Diokno, Department of Finance
 Vice Chairperson: Ms. Cecilia C. Borromeo, President and CEO
 Members: Pres. Ferdinand R. Marcos Jr., Department of Agriculture
 Sec. Bienvenido E. Laguesma, Department of Labor and Employment
 Sec. Conrado M. Estrella III, Department of Agrarian Reform
 Mr. Virgilio D. Robes, Representative - Agrarian Reform Beneficiaries Sector
 Mr. Jaime L. Miralles, Representative - Agrarian Reform Beneficiaries Sector
 Ms. Nancy D. Irlanda, Representative - Private Sector

B. President and CEO: Ms. Cecilia C. Borromeo

C. Bids and Awards Committee (HOBAC)

Chairman: Mr. Reynaldo C. Capa, First Vice President – Banking Services Group
 Vice Chairman: Mr. Alwin I. Reyes, Vice President – Procurement Department
 Regular Members: Ms. Adelfa R. Masacupan, First Vice President – Asset and Liability Management Group
 Mr. Emmanuel G. Hio, Jr., Vice President – Facilities Engineering Services Group
 Ms. Marife Lynn O. Pascua, Vice President – Agrarian Services Group
 Mr. Reo S. Andarino, Assistant Vice President – Digital Banking Support Department
 Provisional Member: Atty. Joseph Dennis C. Castro, Legal Manager - Legal Services Group

D. HOBAC Secretariat

Head: Atty. Honorio T. Diaz Jr.
 Officers and Staff: Ms. Remedios S. Lacaden, Senior Management Associate
 Ms. Ruby S. Cortez, Procurement Specialist III
 Ms. Farah Eva B. Esguerra, Administrative Specialist II
 Ms. Maribel J. Paredes, Procurement Specialist I
 Mr. Mark Anthony C. Pantalla, Procurement Analyst
 Ms. Jenica V. De Vicente, Procurement Assistant
 Mr. Jerome C. Relucio, ASO I

E. Technical Working Group

Chairman: _____
 Vice Chairman: _____
 Members: _____

F. Procurement Department

Head: Mr. Alwin I. Reyes, Vice President
 Officers and Staff: Ms. Ma. Victoria C. Viray, Senior Procurement Officer/Team Leader
 Ms. Rosemarie SJ. Mirando, Senior Procurement Officer/Team Leader
 Ms. Leonor F. Santos, Acting Senior Procurement Specialist/Team Leader
 Mr. Joel R. Perez, Acting Senior Procurement Specialist/Team Leader
 Ms. Helen S. Purificacion, Senior Procurement Specialist/Team Leader
 Mr. Donato DR. Cariaga, Senior Procurement Specialist/Team Leader
 Ms. Kristi Ann P. Rutab, Senior Procurement Specialist/Team Leader
 Atty. Karla May M. Temporosa, Administrative Officer
 Mr. Rommel C. Pascua, Acting Procurement Specialist III
 Ms. Cathrina Marie A. Garcia, Procurement Specialist III
 Mr. Ruel V. Marca, Procurement Specialist II
 Mr. Rosalino V. Cruz, Procurement Specialist II
 Ms. Lubelle B. Lumabas, Procurement Specialist II
 Ms. Nadia G. Iletto, Procurement Specialist I
 Mr. Jerome V. Bueno, Acting Procurement Specialist I
 Ms. Ma. Angela Q. Emeterio, Procurement Analyst

Mr. Jollianzen Jenkin G. Dy, Procurement Analyst
 Ms. Charmaine F. Mangilit, Procurement Analyst
 Ms. Jeah Crysel L. Escalona, Procurement Analyst
 Mr. Marlon R. Faraon, Procurement Analyst
 Mr. Aaron V. Sedanto, Procurement Analyst
 Mr. Rudyrick B. Silva, Procurement Analyst
 Ms. Fretch Camille J. Japole, Procurement Assistant
 Mr. Mark Anthony M. Abad, Procurement Assistant
 Ms. Almay Joyce B. Ruz, Procurement Assistant
 Ms. Vinna Mariella T. Custodio, Procurement Assistant
 Ms. Ma. Theresa N. Cruz, Acting Executive Assistant
 Mr. Roman R. Eala, ASO I
 Ms. Julieta S. Rabino, ASO I
 Mr. Jesus David, SCW
 Mr. Emil Dela Cruz, SCW
 Mr. Erikson Guani, SCW
 Mr. Vicente Gutierrez, Jr, SCW
 Mr. Andrew Palma, SCW
 Mr. Dexter Naguit, SCW
 Mr. Ramil Pendilla, SCW
 Mr. Frederick Reyes, SCW
 Mr. Pablo Tenoria, SCW

G. Implementing Unit

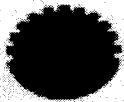
Head: _____
 Officers and Staff: _____

H. End-user Unit

ILC-ISSU Head:	Gladys M. Galang
Officers and Staff:	Angelyn N. Anterola
ERMO Head:	Benedict M. Vocal
Officers and Staff:	Mariano G. Alvarez
SKMG Head:	SVP Elcid C. Pangilinan
Officers and Staff:	Arriane Kristel C. Fuentebella
QIMD Head:	Charisse D. Matanguihan
Officers and Staff:	Efryl M. Go
EDMD Head:	Ma. Enriqueta P. Patones
Officers and Staff:	Shaira S. Martillano
EPRD Head:	AVP Maria Milissa L. Bernardo
Officers and Staff:	Marie Christ O. Natividad
DAD Head:	Lolita S. Huerto
Officers and Staff:	Maria Nikki S. Basilla
FSHSD Head:	Claudine L. Caguioa
Officers and Staff:	Franches Carmen V. Domingo
RBSD Head:	Grace Ofelia lovely V. Dayo
Officers and Staff:	Jhenledee G. Hernandez
LSD Head:	AVP Teresita SP Aringo
Officers and Staff:	Patrick R. Sevilla
CeBG/CAPG Head:	Randolf L. Montesa
Officers and Staff:	Rhodora G. Taccad

I. Project Consultants

Team Lead: _____
 Members: _____



LAND BANK OF THE PHILIPPINES

TECHNICAL SPECIFICATIONS

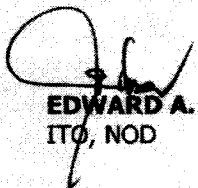
Equipment: Laptop Computers (Standard)	Code:
Date Prepared: January 18, 2023	<i>TS-0403-24</i>

Processor	Minimum of 12 Cores, Minimum of 16 Threads, Minimum Turbo Frequency (Single Core): 4.4GHz, Minimum of 12MB Cache
Memory	Minimum of 16GB, Minimum of 3200 MHz, DDR5/DDR4/LPDDR5/LPDDR4X or better
Storage/Hard Drive	Minimum of 512GB SSD
Display Screen	Maximum of 16-inch, Full HD, 60Hz, In-plane switching type or equivalent, Anti-glare, Minimum of 250 nits
Graphics/Processor	Integrated Graphics with 1.30GHz clock speed or better Minimum number of execution units: 80
Pointing Device	Click pad-type/Touch pad-type with Multi-touch Gesture Support or Equivalent
Keyboard	Backlit Keyboard, Spill-resistant
Security	Trusted Platform Module 2.0, Power-on Password
Input/Output Ports	2 USB Type A - (At least one 5Gbps Signaling Rate) (with Charging), 1 USB Type C - 10Gbps Signaling Rate (USB Power Delivery, DisplayPort), 1 RJ-45 (Built-in or External) 1 Headphone/Microphone Combo Jack, 1 HDMI, 1 Micro SD Card Reader (Built-in or External)
Audio/Multimedia	Dual Stereo Speaker, Dual Array Microphone
Camera	Built-in 720p HD Web Camera with Cover

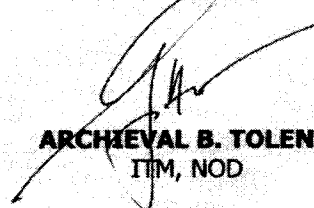
Revised Annex D-1

NetworkInterface	Minimum of Wi-Fi 6 (2x2), Minimum of Bluetooth 5 Combo, Network Interface Gigabit Ethernet, Integrated or External (dongle type)
Operating System	At least Windows 10 Pro (64-bit) English
Battery	3 Cell Li-Polymer / Li-Ion Internal Battery, 39Wh
Weight	1.8 kg or lighter
Supplied with	With Standard Security Slot Laptop Carrying Case or Equivalent Power Adaptor (Manufacturer's Standard) Standard Lock for Security Slot or Equivalent
Warranty	3 years on parts and labor 1 year on battery cell
Service Center	Must have at least 1 service center in Metro Manila, Visayas and Mindanao preferably in key major cities or provide onsite service

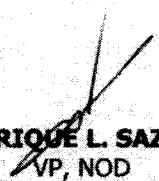
Prepared by:


EDWARD A. JUAN
ITO, NOD

Checked by:


ARCHIEVAL B. TOLENTINO
ITM, NOD

Approved by:


ENRIQUE L. SAZON, JR
VP, NOD