



Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY

PHILIPPINE COUNCIL FOR HEALTH RESEARCH AND DEVELOPMENT

Project ID : PCHRD – PB – 2022 – 02  
Project Name : Procurement of Supply and delivery of Various I.T. Equipment  
Project Location : DOST-PCHRD Office, PCHRD Saliksik Building, Sikap Street,  
DOST Main Compound, Gen. Santos Ave., Bicutan, Taguig City

**SUPPLEMENTAL / BID BULLETIN NO. 2**

July 22, 2022

**Subject : Clarification and Response to Queries and Modification /  
Amendment of Some Provisions in the Bidding Documents**

This Supplemental/Bid Bulletin No. 2 is being issued to clarify and/or answer queries raised by a prospective bidder and to modify and amend some provisions in the Bidding Documents for the aforementioned project. Attached is the updated Schedule of Requirements and Technical Specifications.

**I. Clarification received from a prospective bidder on July 21, 2022, particularly on the Technical Specifications of the project.**

QUERIES / QUESTIONS	RESPONSE
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 2 – One (1) unit Laptop</b></p> <ul style="list-style-type: none"><li>• May we request to relax it into “at least Intel Core i7 11th Gen or Ryzen 7 latest Gen”?</li><li>• May we request to relax it into “at least 6GB GDDR6”?</li><li>• May request to relax it into “16GB DDR4”?</li><li>• May request to relax it into “1TB SSD”?</li><li>• Do you consider if we will provide a USB Hub/Adapter if in case any of those ports are not available in the laptop for us to comply on the required ports?</li><li>• Do you consider if our offer is SD card slot? Also, if this is not available in the laptop, can we provide adapter?</li><li>• May request to relax it into “720p, HD camera with microphones”?</li><li>• Do you also consider the below certifications in lieu of the requirements?<ul style="list-style-type: none"><li>- ROHS compliant</li><li>- TUV Rheinland</li><li>- NEMCO</li><li>- ISO Certification</li></ul></li></ul>	<ul style="list-style-type: none"><li>➤ All specifications in the Technical Specifications of the LOT NO. 2 for the One (1) unit Laptop are the minimum hardware requirements, thus, higher specification is acceptable.</li><li>➤ We will only consider the following:<ul style="list-style-type: none"><li>- Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li></ul></li><li>➤ We will consider Port adapter / Hub</li><li>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li><li>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</li></ul>

<p><b>Technical Specifications:</b></p> <p><b>Lot no. 3 – One (1) unit Laptop (A)</b></p> <ul style="list-style-type: none"> <li>• Do you also consider if we will offer a latest Ryzen 7 processor?</li> <li>• May we request to relax it into “at least 13.3”- 14” FHD (1920x1080) (*not more than 14”)”?</li> <li>• May we request to relax it into “integrated graphics”?</li> <li>• Do you consider if we will provide a USB Hub/Adapter if in case any of those ports are not available in the laptop for us to comply on the required ports?</li> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ We will only consider Equivalent or Higher Specs as indicated in the Technical Specifications.</li> <li>➤ We will consider the following: <ul style="list-style-type: none"> <li>- Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>- “at least 13.3”- 14” FHD (1920x1080) (*not more than 14”)” for Display specs</li> <li>- “Integrated Graphics Intel or AMD” for the Graphics</li> <li>- For the ports: USB-C, USB-3.0, HDMI, 4in1 Micro SD Card Reader, and Audio Combo Jack, and will also consider Port adapter / Hub</li> </ul> </li> <li>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</li> </ul>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 3 – Two (2) units Laptop (B)</b></p> <ul style="list-style-type: none"> <li>• Do you also consider if we will offer a latest Ryzen 7 processor?</li> <li>• May we request to relax it into “at least 13.3”- 14” FHD (1920x1080) (*not more than 14”)”?</li> <li>• May we request to relax it into “integrated graphics”?</li> <li>• Do you consider if we will provide a USB Hub/Adapter if in case any of those ports are not available in the laptop for us to comply on the required ports?</li> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ We will only consider Equivalent or Higher Specs as indicated in the Technical Specifications.</li> <li>➤ We will consider the following: <ul style="list-style-type: none"> <li>- Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>- “at least 13.3”- 14” FHD (1920x1080) (*not more than 14”)” for Display specs</li> <li>- “Integrated Graphics Intel or AMD” for the Graphics</li> <li>- For the ports: USB-C, USB-3.0, HDMI, 4in1 Micro SD Card Reader, and Audio Combo Jack, and will also consider Port adapter / Hub</li> </ul> </li> <li>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> </ul>

	<p>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</p>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 3 – Two (2) units Laptop (C)</b></p> <ul style="list-style-type: none"> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<p>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</p> <p>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</p>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 3 – Three (3) units Laptop (D)</b></p> <ul style="list-style-type: none"> <li>• May we request to relax it into “at least Intel Core i7 11th Gen or Ryzen 7 latest Gen”?</li> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<p>➤ We will only consider Equivalent or Higher Specs as indicated in the Technical Specifications.</p> <p>➤ We will consider the following: <ul style="list-style-type: none"> <li>- Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> </ul> </p> <p>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</p> <p>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</p>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 3 – One (1) unit Laptop (E)</b></p> <ul style="list-style-type: none"> <li>• Do you also consider if we will offer a latest Ryzen 7 processor?</li> <li>• May we request to relax it into “at least 13.3”- 14” FHD (1920x1080) (*not more than 14”)”? May we request to relax it into “integrated graphics”?</li> <li>• Do you consider if we will provide a USB Hub/Adapter if in case any of those ports are not available in the laptop for us to comply on the required ports?</li> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> </ul> </li> </ul>	<p>➤ We will only consider Equivalent or Higher Specs as indicated in the Technical Specifications.</p> <p>➤ We will consider the following: <ul style="list-style-type: none"> <li>- Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>- “at least 13.3”- 14” FHD (1920x1080) (*not more than 14”)” for Display specs</li> <li>- “Integrated Graphics Intel or AMD” for the Graphics</li> <li>- For the ports: USB-C, USB-3.0, HDMI, 4in1 Micro SD Card Reader, and Audio</li> </ul> </p>

<ul style="list-style-type: none"> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul>	<p><b>Combo Jack, and will also consider Port adapter / Hub</b></p> <ul style="list-style-type: none"> <li>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</li> </ul>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 3 – One (1) unit Laptop (F)</b></p> <ul style="list-style-type: none"> <li>• May we request to relax it into “at least Intel Core i7 11th Gen or Ryzen 7 latest Gen”?</li> <li>• May we request to relax it into “ 13.3 – 16 inch display FHD”?</li> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ We will only consider the following: <ul style="list-style-type: none"> <li>- Processor: Intel i7 or higher / AMD Ryzen 7 or higher</li> <li>- 13.3 – 16 inch display FHD</li> </ul> </li> <li>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</li> </ul>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 3 – One (1) unit Laptop (G)</b></p> <ul style="list-style-type: none"> <li>• May we request to relax it into “at least Intel Core i7 11th Gen or Ryzen 7 latest Gen”?</li> <li>• May we request to relax it into “ 13.3 – 16 inch display FHD”?</li> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ We will only consider the following: <ul style="list-style-type: none"> <li>- Processor: Intel i7 or higher / AMD Ryzen 7 or higher</li> <li>- 13.3 – 16 inch display FHD</li> </ul> </li> <li>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</li> </ul>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 3 – Two (2) units Laptop (H)</b></p> <ul style="list-style-type: none"> <li>• Do you also consider the below certifications in lieu of the requirements?</li> </ul>	<ul style="list-style-type: none"> <li>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT;</li> </ul>

<ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul>	<p><b>Recycling; TCO; or any Green Product Certification</b></p> <p>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</p>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 3 – One (1) unit Printer with Scanner</b></p> <ul style="list-style-type: none"> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<p>➤ We only consider certifications on any of the following: <b>80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</b></p> <p>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</p>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 4 – One (1) unit Laptop (A)</b></p> <ul style="list-style-type: none"> <li>• May we request to relax it into “at least Intel Core i7 11th Gen or Ryzen 7 latest Gen”?</li> <li>• May we request to relax it into “integrated graphics”?</li> <li>• Do you consider to offer 14” display?</li> <li>• May we request to relax it into “at least 720p HD camera”?</li> <li>• May we request to relax it into “not more than 1.5kg”?</li> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<p>➤ We will only consider the following:</p> <ul style="list-style-type: none"> <li>- Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>- “Integrated Graphics Intel or AMD” for the Graphics</li> <li>- Screen: 13.3-inch, FHD</li> <li>- Camera: HD (720p) Cam</li> <li>- Weight: not more than 1.5kg</li> </ul> <p>➤ We only consider certifications on any of the following: <b>80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</b></p> <p>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</p>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 4 – One (1) unit Laptop (B)</b></p> <ul style="list-style-type: none"> <li>• May we request to relax it into “at least Intel Core i7 11th Gen or Ryzen 7 latest Gen”?</li> <li>• May we request to relax it into “integrated graphics”?</li> <li>• Do you consider to offer 14” display?</li> <li>• May we request to relax it into “at least 720p HD camera”?</li> <li>• May we request to relax it into “not more than 1.5kg”?</li> </ul>	<p>➤ We will only consider the following:</p> <ul style="list-style-type: none"> <li>- Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>- “Integrated Graphics Intel or AMD” for the Graphics</li> <li>- Screen: 13.3-inch, FHD</li> <li>- Camera: HD (720p) Cam</li> <li>- Weight: not more than 1.5kg</li> </ul>

<ul style="list-style-type: none"> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</li> </ul>
<p><b>Technical Specifications:</b></p> <p><b>Lot no. 4 – One (1) unit Laptop (C)</b></p> <ul style="list-style-type: none"> <li>• May we request to relax it into “at least Intel Core i7 11th Gen or Ryzen 7 latest Gen”?</li> <li>• May we request to relax it into “ 13.3-14 inch FHD (1920x1080) display”?</li> <li>• May we request to relax it into “not more than 1.5kg”?</li> <li>• Do you consider if we will provide a USB Hub/Adapter if in case any of those ports are not available in the laptop for us to comply on the required ports?</li> <li>• Also, for 4-in-1 card reader, do you consider SD card reader only?</li> <li>• Do you also consider the below certifications in lieu of the requirements? <ul style="list-style-type: none"> <li>- ROHS compliant</li> <li>- TUV Rheinland</li> <li>- NEMCO</li> <li>- ISO Certification</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ We will only consider the following: <ul style="list-style-type: none"> <li>- Processor: Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or Higher)</li> <li>- Display: 13.3” - 14” FHD (1920 x 1080)</li> <li>- Camera: HD (720p) Cam</li> <li>- Weight: not more than 1.5kg</li> </ul> </li> <li>➤ We will consider Port adapter / hub</li> <li>➤ For 4-in-1 Card Reader – We will consider the SD Card Reader</li> <li>➤ We only consider certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>➤ Please see Revised Technical Specifications attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</li> </ul>
<p><b>Schedule of Requirements</b></p> <ul style="list-style-type: none"> <li>• Requesting to extend the delivery lead time into 120 calendar days <ul style="list-style-type: none"> <li>- Conclusion: Due to ongoing COVID-19 pandemic, the delivery lead time are seriously affected by the delays in production, logistics disruptions &amp; raw material constraints.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ For LOT no. 1 and LOT no. 2: <ul style="list-style-type: none"> <li>- Delivery: Within One Hundred Twenty (120) calendar days from receipt of Notice to Proceed</li> </ul> </li> <li>➤ For LOT no. 3 and LOT no. 4: <ul style="list-style-type: none"> <li>- Within thirty (30) calendar days from receipt of Notice to Proceed</li> </ul> </li> <li>➤ Please see Revised Schedule of Requirements attached in this Supplemental Bid Bulletin No. 2 dated 22 July 2022.</li> </ul>

**II. Modification / Amendment of Some Provisions in the Bidding Documents**

ORIGINAL PROVISION				AMENDMENT / CHANGE / CLARIFICATION																																																			
<p><i>From:</i></p> <p><i>Section I: Invitation to Bid</i></p> <p><i>Paragraph no. 1</i></p> <p>.....</p> <table border="1"> <thead> <tr> <th align="center">Lot no.</th> <th align="center">Description</th> <th align="center">Qty</th> <th align="center">ABC per Item</th> </tr> </thead> <tbody> <tr> <td align="center">4</td> <td>Laptop (B)</td> <td align="center">1</td> <td align="right">P 85,000.00</td> </tr> <tr> <td></td> <td>Laptop (C)</td> <td align="center">1</td> <td align="right">85,000.00</td> </tr> <tr> <td></td> <td>Laptop (D)</td> <td align="center">1</td> <td align="right">90,000.00</td> </tr> <tr> <td colspan="3">Total ABC for Lot No. 4</td> <td align="right">P 260,000.00</td> </tr> <tr> <td colspan="4">Funding Source: Various Project Funds</td> </tr> </tbody> </table>				Lot no.	Description	Qty	ABC per Item	4	Laptop (B)	1	P 85,000.00		Laptop (C)	1	85,000.00		Laptop (D)	1	90,000.00	Total ABC for Lot No. 4			P 260,000.00	Funding Source: Various Project Funds				<p><i>To:</i></p> <p><i>Section I: Invitation to Bid</i></p> <p><i>Paragraph no. 1</i></p> <p>.....</p> <table border="1"> <thead> <tr> <th align="center">Lot no.</th> <th align="center">Description</th> <th align="center">Qty</th> <th align="center">ABC per Item</th> </tr> </thead> <tbody> <tr> <td align="center">4</td> <td>Laptop (A)</td> <td align="center">1</td> <td align="right">P 85,000.00</td> </tr> <tr> <td></td> <td>Laptop (B)</td> <td align="center">1</td> <td align="right">85,000.00</td> </tr> <tr> <td></td> <td>Laptop (C)</td> <td align="center">1</td> <td align="right">90,000.00</td> </tr> <tr> <td colspan="3">Total ABC for Lot No. 4</td> <td align="right">P 260,000.00</td> </tr> <tr> <td colspan="4">Funding Source: Various Project Funds</td> </tr> </tbody> </table>				Lot no.	Description	Qty	ABC per Item	4	Laptop (A)	1	P 85,000.00		Laptop (B)	1	85,000.00		Laptop (C)	1	90,000.00	Total ABC for Lot No. 4			P 260,000.00	Funding Source: Various Project Funds			
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<p><i>From:</i></p> <p><i>Section I: Invitation to Bid</i></p> <p><i>Paragraph no. 2</i></p> <p>The DOST-PCHRD now invites bids for the above Procurement Project. Delivery of the Goods is required <b>by not later than Thirty (30) calendar days upon receipt of the Notice to Proceed</b>. Bidders should have completed, within three (3) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).</p>				<p><i>To:</i></p> <p><i>Section I: Invitation to Bid</i></p> <p><i>Paragraph no. 2</i></p> <p>The DOST-PCHRD now invites bids for the above Procurement Project. Delivery of the Goods is required <b>by not later than One Hundred Twenty (120) calendar days upon receipt of the Notice to Proceed for LOT NO. 1 and LOT NO. 2; and not later than Thirty (30) calendar days upon receipt of the Notice to Proceed for LOT NO. 3 and LOT NO. 4</b>. Bidders should have completed, within three (3) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).</p>																																																			

This Supplemental / Bid Bulletin shall form an integral part of the said Bidding Documents.

For guidance and information of all concerned.

  
**PAUL ERNEST N. DE LEON**  
Chairperson, Bids and Awards Committee



## *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.

<b>LOT No.</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Delivered, Weeks/Months</b>
1	Rack Server	4	units	Within One Hundred Twenty (120) calendar days from receipt of Notice to Proceed
	Network Attached Storage (High-end)	1	unit	
2	Laptop	1	unit	Within One Hundred Twenty (120) calendar days from receipt of Notice to Proceed
3	Laptop (A)	1	unit	Within thirty (30) calendar days from receipt of Notice to Proceed
	Laptop (B)	2	units	
	Laptop (C)	2	units	
	Laptop (D)	3	units	
	Laptop (E)	1	unit	
	Laptop (F)	1	unit	
	Laptop (G)	1	unit	
	Laptop (H)	2	units	
	Printer with Scanner	1	unit	
4	Laptop (A)	1	unit	Within thirty (30) calendar days from receipt of Notice to Proceed
	Laptop (B)	1	unit	

4	Laptop (C)	1	unit	Within thirty (30) calendar days from receipt of Notice to Proceed

We hereby comply with the above-stated Schedule of Requirements.

Submitted by : \_\_\_\_\_  
(Name of Firm)

Signing Authority : \_\_\_\_\_  
(Printed Name and Signature)

Designation : \_\_\_\_\_

Date : \_\_\_\_\_

# Technical Specifications

Lot No.	Specification	Statement of Compliance
1	<p>➤ <b>Four (4) units Rack Server</b></p> <ul style="list-style-type: none"> <li>• <b>Base</b> <ul style="list-style-type: none"> <li>1x 1U 2.5" Chassis with 8 or 10 Bays</li> <li>1x Operating mode selection for: "Maximum Efficiency Mode"</li> </ul> </li> <li>• <b>Processors</b> <ul style="list-style-type: none"> <li>1x AMD EPYC 7252 8C 120W 3.1GHz Processor equivalent or higher</li> </ul> </li> <li>• <b>Memory</b> <ul style="list-style-type: none"> <li>2x 16GB TruDDR4 3200MHz RDIMM-A or higher</li> </ul> </li> <li>• <b>Storage</b> <ul style="list-style-type: none"> <li>1x Select Storage devices - configured RAID</li> <li>1x RAID 930-16i 4GB Flash PCIe 12Gb Adapter</li> <li>1x Install largest capacity, faster drives starting in Array 1</li> <li>1x Controller 1 HW RAID Array 1 RAID 1</li> <li>2x 2.5" 960GB Read Intensive SATA 6Gb HS SSD or higher</li> <li>1x 1U 2.5" 10 SAS/SATA Backplane</li> </ul> </li> <li>• <b>PCI</b> <ul style="list-style-type: none"> <li>1x 1GbE RJ45 4-port Ethernet Adapter</li> <li>1x NVIDIA Quadro P2200 5GB PCIe Active GPU or higher</li> <li>1x 1U PCIe Gen4 x16/x16 Riser 1</li> <li>1x 1U LP+FH BF Riser Cage Riser1</li> </ul> </li> <li>• <b>Power</b> <ul style="list-style-type: none"> <li>2x 750W (230/115V) Hot-Swap Power Supply or higher</li> <li>2x 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable</li> </ul> </li> <li>• <b>Others</b> <ul style="list-style-type: none"> <li>1x Management Controller</li> <li>6x 1U Performance Fan Option Kit</li> <li>1x Toolless Slide Rail Kit</li> </ul> </li> <li>• <b>Security</b> <ul style="list-style-type: none"> <li>1x Feature Enable TPM 1.2 or latest</li> <li>1x Disable IPMI-over-LAN</li> </ul> </li> <li>• <b>Green Specs</b> <ul style="list-style-type: none"> <li>Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> </ul> </li> </ul>	

➤ **One (1) unit Network Attached Storage (High-end)**

- CPU Model: Intel Xeon Silver 4110
- CPU Quantity: 2
- CPU Architecture: 64-bit
- CPU Frequency: 8-core 2.1 (base) / 3.0 (turbo) GHz
- Hardware Encryption Engine (AES-NI): YES
- System Memory: 32 GB DDR4 ECC RDIMM
- Memory Module Pre-installed: 32 GB (16 GB x 2)
- Total Memory Slots: 16
- Maximum Memory Capacity: 512 GB (32 GB x 16)
- Drive Bays: 24
- Maximum Drive Bays with Expansion Unit: 48  
(RX1217sas x 2) / 72 (FX2421\* x 2)
- Compatible Drive Type: 2.5" SAS HDD; 2.5" SAS SSD;  
2.5" SATA SSD
- Maximum Single Volume Size:
  - 1 PB (64 GB memory required, for RAID 6 groups only)
  - 200 TB
- RJ-45 1GbE LAN Port: 2 (with Link Aggregation / Failover support)
- RJ-45 10GbE LAN Port: 2 (with Link Aggregation / Failover support)
- USB 3.2 Gen 1 Port: 2
- Expansion Port: 1
- PCIe Expansion: 2 x Gen3 x8 slots (x8 link)
- Internal Drives: Btrfs/EXT4
- External Drives:  
Btrfs/EXT4/EXT3/FAT/NTFS/HFS+/exFAT
- Form Factor (RU): 2U
- Size (Height x Width x Depth): 88 mm x 482 mm x 724 mm
- Weight: 17.26 kg
- System Fan: 80 mm x 80 mm x 4 pcs
- Fan Speed Mode: Full-speed Mode / Cool Mode / Quiet Mode
- Noise Level: 53.7 dB(A)
- Power Supply Unit / Adapter: 800 W
- AC Input Power Voltage: 100 V to 240 V AC
- Power Frequency: 50/60 Hz, Single Phase
- Operating Temperature: 0°C to 35°C (32°F to 95°F)
- Storage Temperature: -20°C to 60°C (-5°F to 140°F)
- Relative Humidity: 5% to 95% RH
- CERTIFICATION: FCC; CE; BSMI; EAC; KC; VCCI; RCM
- Warranty: 5 Years
- 24 pcs HARD DISK Included
- Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification

2	<p>➤ <b>One (1) unit Laptop:</b></p> <ul style="list-style-type: none"> <li>• Processor: Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>• Operating System: Windows 10 Pro, English 64bit or higher</li> <li>• Graphics Card: NVIDIA GeForce RTX 3060 6GB GDDR6 or higher</li> <li>• Display: 15"-17.3" FHD (1920 x 1080) 144Hz or Higher</li> <li>• Memory: 32GB DDR4 2933MHz or higher</li> <li>• Hard Drive: 2TB SSD</li> <li>• Ports <ul style="list-style-type: none"> <li>- 2 USB 3.2 Gen 1 Type-A ports</li> <li>- 1 Audio Out Port</li> <li>- 1 HDMI</li> <li>- 1 Mini DisplayPort</li> <li>- 1 Gigabit Ethernet NIC port</li> <li>- 1 Power/DC-In Port</li> <li>- will also consider port adapter / hub</li> </ul> </li> <li>• Slots <ul style="list-style-type: none"> <li>- 1 MicroSD-card slot</li> </ul> </li> <li>• Camera: 720p at 30 fps, HD camera with microphones or higher</li> <li>• Audio and Speakers: stereo speakers</li> <li>• Touchpad: Multi-touch gesture</li> <li>• Wireless LAN and Bluetooth 5.1</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> </ul>	
3	<p>➤ <b>One (1) unit Laptop (A)</b></p> <ul style="list-style-type: none"> <li>• Processor: Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>• Operating System: Windows 10 pro or higher</li> <li>• Display: 13.3" - 14" FHD (1920x1080) (*not more than 14")</li> <li>• Graphics: Integrated Graphics Intel or AMD</li> <li>• Battery: up to 8-12 hours</li> <li>• Camera: HD or HD + IR</li> <li>• Memory: 8GB DDR4 or higher</li> <li>• Storage: 512GB SSD or higher</li> <li>• Security: (at least 1 of the following) <ul style="list-style-type: none"> <li>- Intel vPro</li> <li>- Discrete Trusted Platform Module (dTPM) 2.0</li> <li>- Fast Identity Online (FIDO) authentication capabilities</li> <li>- Touch Type fingerprint reader</li> <li>- Facial recognition with infrared camera</li> </ul> </li> <li>• Ports: <ul style="list-style-type: none"> <li>- USB-C</li> <li>- USB – 3.0</li> <li>- HDMI</li> <li>- 4in1 Micro SD Card reader</li> <li>- RJ-45</li> </ul> </li> </ul>	

	<ul style="list-style-type: none"> <li>- Audio Combo Jack</li> <li>- will also consider port adapter / hub</li> <li>• Connectivity: WiFi, Bluetooth</li> <li>• Weight: Not more than 3.7lbs.</li> <li>• With Microsoft office 2019 Home and Business or higher</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
	<p>➤ <b>Two (2) units Laptop (B)</b></p> <ul style="list-style-type: none"> <li>• Processor: Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>• Operating System: Windows 10 pro or higher</li> <li>• Display: 13.3" - 14" FHD (1920x1080) (*not more than 14")</li> <li>• Graphics: Integrated Graphics Intel or AMD</li> <li>• Battery: up to 8 – 12 hours</li> <li>• Camera: HD or HD + IR</li> <li>• Memory: 8GB DDR4 or higher</li> <li>• Storage: 512GB SSD or higher</li> <li>• Security: (at least 1 of the following) <ul style="list-style-type: none"> <li>- Intel vPro</li> <li>- Discrete Trusted Platform Module (dTPM) 2.0</li> <li>- Fast Identity Online (FIDO) authentication capabilities</li> <li>- Touch Type fingerprint reader</li> <li>- Facial recognition with infrared camera</li> </ul> </li> <li>• Ports: <ul style="list-style-type: none"> <li>- USB-C</li> <li>- USB – 3.0</li> <li>- HDMI</li> <li>- 4in1 Micro SD Card reader</li> <li>- RJ-45</li> <li>- Audio Combo Jack</li> <li>- will also consider port adapter / hub</li> </ul> </li> <li>• Connectivity: WiFi, Bluetooth</li> <li>• Weight: Not more than 3.7lbs.</li> <li>• With Microsoft office 2019 Home and Business or higher</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
	<p>➤ <b>Two (2) units Laptop (C)</b></p> <ul style="list-style-type: none"> <li>• at least i7 or Ryzen 5 or 7 4000-5000 series</li> <li>• at least 16 gig memory</li> <li>• at least 512GB SSD or higher</li> <li>• 2GB Dedicated Video Card</li> <li>• 13.3" – 14" display</li> <li>• Windows 10 or 11 Pro</li> <li>• Microsoft Office 2019 Home and Business or higher</li> </ul>	

	<ul style="list-style-type: none"> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
	<p>➤ <b>Three (3) units Laptop (D)</b></p> <ul style="list-style-type: none"> <li>• Processor: Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>• at least 16GB DDR4 RAM</li> <li>• at least 1TB PCIe SSD</li> <li>• With GPU at least 4GB dedicated VRAM</li> <li>• 14 to 16 inch FHD display</li> <li>• with Windows 10 Pro or higher</li> <li>• With Microsoft Office 2019 Home and Business or higher</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
	<p>➤ <b>One (1) unit Laptop (E)</b></p> <ul style="list-style-type: none"> <li>• Processor: Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>• Operating System: Windows 10 pro or higher</li> <li>• Display: at least 13.3" - 14" FHD (1920x1080)</li> <li>• Graphics: Integrated Graphics Intel or AMD</li> <li>• Battery: up to 8-12 hours</li> <li>• Camera: HD or HD + IR</li> <li>• Memory: 8GB DDR4 or higher</li> <li>• Storage: 512GB SSD or higher</li> <li>• Security: (at least 1 of the following) <ul style="list-style-type: none"> <li>- Intel vPro</li> <li>- Discrete Trusted Platform Module (dTPM) 2.0</li> <li>- Fast Identity Online (FIDO) authentication capabilities</li> <li>- Touch Type fingerprint reader</li> </ul> </li> <li>• Ports: <ul style="list-style-type: none"> <li>- USB-C</li> <li>- USB – 3.0</li> <li>- HDMI</li> <li>- RJ-45</li> <li>- Audio Combo Jack</li> <li>- will also consider port adapter / hub</li> </ul> </li> <li>• Connectivity: WiFi, Bluetooth</li> <li>• With Microsoft office 2019 Home and Business or higher</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	

	<p>➤ <b>One (1) unit Laptop (F)</b></p> <ul style="list-style-type: none"> <li>• Processor: Intel i7 or higher / AMD Ryzen 7 or higher</li> <li>• at least 16GB RAM</li> <li>• at least 512 GB SSD or higher</li> <li>• With GPU at least 6GB dedicated VRAM</li> <li>• 13.3” – 16” inch display FHD</li> <li>• with Windows 10 Pro or higher</li> <li>• With Microsoft Office 2019 Home and Business or higher</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
	<p>➤ <b>One (1) unit Laptop (G)</b></p> <ul style="list-style-type: none"> <li>• Processor: Intel i7 or higher / AMD Ryzen 7 or higher</li> <li>• at least 16GB RAM</li> <li>• at least 512 GB SSD or higher</li> <li>• With GPU at least 6GB dedicated VRAM</li> <li>• 13.3” - 16” inch display FHD</li> <li>• with Windows 10 Pro or higher</li> <li>• With Microsoft Office 2019 Home and Business or higher</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
	<p>➤ <b>Two (2) units Laptop (H)</b></p> <ul style="list-style-type: none"> <li>• at least i7 or Ryzen 5 or 7 4000-5000 series</li> <li>• at least 16 gig memory</li> <li>• at least 512GB SSD or higher</li> <li>• 2GB Dedicated Video Card</li> <li>• 13.3” – 14” inches display</li> <li>• Windows 10 or 11 Pro</li> <li>• Microsoft Office 2019 Home and Business or higher</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
	<p>➤ <b>One (1) unit Printer with Scanner</b></p> <ul style="list-style-type: none"> <li>• Printer with Scanner</li> <li>• Printer Type: Print, Scan, Copy</li> <li>• Printing: 4800x1200 dpi Maximum Resolution, Bi-directional printing</li> <li>• Print Speed: up to 17.0 ipm / 9.0 ipm (ISO 24734 A4 Black/Colour)</li> <li>• Copying: Colour Scanner, 99 Maximum Copies from Standalone, 600x600 dpi Maximum Copy Resolution, Legal-size Maximum Copy Size</li> <li>• Scanning: Flatbed colour image Scanner, 1200x2400 dpi Optical Resolution, 216x356mm Maximum Scan Area</li> </ul>	



	<ul style="list-style-type: none"> <li>• Network: Ethernet, Wi-Fi IEEE 802.11 b/g/n, Wi-Fi Direct</li> <li>• OS Compatibility: Windows 10, 8.1, 8, 7, Vista, XP</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> </ul>	
4	<p>➤ <b>One (1) unit Laptop (A)</b></p> <ul style="list-style-type: none"> <li>• CPU: Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>• Graphics: Integrated Graphics Intel or AMD</li> <li>• RAM: 16GB LPDDR3 (2,133MHz) or higher</li> <li>• Screen: 13.3-inch, FHD</li> <li>• Storage: 512GB SSD or higher</li> <li>• Ports: Must have the following: 1 x USB-C, 1 x USB 3.1 Type-A, HDMI, Headset Jack</li> <li>• Connectivity: Wi-Fi, Bluetooth</li> <li>• Camera: HD (720p) Cam</li> <li>• Weight: note more than 1.5kg</li> <li>• Microsoft Office: 2019 Home &amp; Business or Higher</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
	<p>➤ <b>One (1) unit Laptop (B)</b></p> <ul style="list-style-type: none"> <li>• CPU: Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>• Graphics: Integrated Graphics Intel or AMD</li> <li>• RAM: 16GB LPDDR3 (2,133MHz) or higher</li> <li>• Screen: 13.3-inch, FHD</li> <li>• Storage: 512GB SSD or higher</li> <li>• Ports: Must have the following: 1 x USB-C, 1 x USB 3.1 Type-A, HDMI, Headset Jack</li> <li>• Connectivity: Wi-Fi; Bluetooth</li> <li>• Camera: HD (720p) Cam</li> <li>• Weight: note more than 1.5kg)</li> <li>• Microsoft Office: 2019 Home &amp; Business or Higher</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
	<p>➤ <b>One (1) unit Laptop (C)</b></p> <ul style="list-style-type: none"> <li>• Processor: Intel Core i7 Latest Gen. / Ryzen 7 Latest Gen. (Equivalent or higher)</li> <li>• Operating System: Windows 10 Pro or Higher</li> <li>• Display: 13.3" - 14" FHD (1920 x 1080)</li> <li>• Memory: 16GB DDR4 RAM</li> <li>• Storage: 512GB SSD or higher</li> <li>• Graphics: Intel Iris XE Graphics</li> <li>• Weight: Not more than 1.5kg</li> </ul>	

	<ul style="list-style-type: none"> <li>• Connectivity: WLAN Up to WiFi 6 802.11 2 x 2 AX, Bluetooth 5.0</li> <li>• Camera: 720p HD</li> <li>• Ports/Slots: must have the following: USB 3.2 Gen 1 Type-C (USB/DP/PD); USB 3.2 Gen Type-C; USB-A 3.1; HDMI; RJ45; 4-in-1 card reader (SD/SDHC/SDXC/MMC); Headphone / Mic Combo (will consider Port adapter / hub and will also consider the SD Card Reader)</li> <li>• Office: MS Office 2019 Home &amp; Business or higher</li> <li>• With warranty</li> <li>• Must have certifications on any of the following: 80 Plus; CEL (China); ECO Declarations; ENERGY STAR; EPEAT; Recycling; TCO; or any Green Product Certification</li> <li>• With bag</li> </ul>	
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We hereby comply with the above-stated Technical Specifications.

Submitted by : \_\_\_\_\_  
(Name of Firm)

Signing Authority : \_\_\_\_\_  
(Printed Name and Signature)

Designation : \_\_\_\_\_

Date : \_\_\_\_\_