



Republic of the Philippines  
Department of Agriculture  
**BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING (BAFE)**  
SRA Compound, North Avenue, Quezon City  
Tel No. (02) 8294-6452 Fax No. (02) 941-8151  
Email add: [bafe.da.gov.ph](mailto:bafe.da.gov.ph)

October 12, 2021

**MEMORANDUM**

**FOR** : **ENGR. NOEMI L. CARPIO**  
Chairperson, Bids and Awards Committee (BAC)

**THRU** : **ENGR. EMER-ROSE G. ASUG**  
Head, BAC Secretariat

**FROM** : **PROCUREMENT COORDINATORS**

**MR. MARSHALL LOUIE M. ASIS**  
Office of the Director

**ENGR. JEFFERSON C. BORE**  
Standards Regulation and Enforcement Division

**ENGR. GLENN M. OCA**  
Programs and Projects Management Division

**SUBJECT** : **TERMS OF REFERENCE FOR LOTS 1 (AND OF THE 4 ICT EQUIPMENT**

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This has reference to the BAC Resolution No. 168 Series of 2021 on the Declaration of 1st Failure of Bidding for the Supply, Delivery, and Installation of Various ICT Equipment for CY 2021 (Lots 1 and 4) under IB No. 001-21 and our Memorandum dated October 8, 2021 requesting for the reposting of Lots 1 and 4

In line with this, we are forwarding herewith the terms of reference for the abovementioned.

For your consideration.

Thank you very much.



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LOT NO.	LOT TITLE	DESCRIPTION	QUANTITY	UNIT COST	TOTAL	END-USER	SPECIFICATIONS
1	COMPUTER, LAPTOPS AND CHARGER	<b>Desktop Computers</b>	10	87,500.00	875,000.00	SRED PPMD	<p><b>Processor</b> At least Intel Core i7, comparable or better processor</p> <p><b>Motherboard</b> Compatible to at least 10th Generation processor, comparable, or better processor</p> <p><b>Operating System</b> Latest compatible Operating System</p> <p><b>Memory</b> At least 16 GB RAM or better memory</p> <p><b>Graphics Processing Unit</b> At least 4GB GTX 1050 GDDR5, comparable, or better graphics card</p> <p><b>Power Supply</b> Compatible</p> <p><b>Storage (HDD)</b> At least 1 TB</p> <p><b>Storage (SSD)</b> At least 256 GB</p> <p><b>Display</b> At least 23 inches full HD</p>

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							<p><b>Accessories and Peripherals</b>          -AC Adapter and power cord          -Mouse          -Keyboard          -With installed Wi-Fi Adapter (at least 1300 Mbps Wi-Fi Speed) to PCI-E slot          -With installed latest proprietary office productivity tools (proprietary and perpetual license)          -With Web Camera (at least 720p video capture resolution)          -With user manual</p> <p><b>Warranty</b>          At least one (1) year from the final date of acceptance for parts and services</p>
1	COMPUTER, LAPTOPS AND CHARGER	<b>Laptop (High-End)</b>	5	85,000.00	425,000.00	SRED	<p><b>Processor</b>          At least Intel Core i7, comparable, or better processor</p> <p><b>Motherboard</b>          Compatible to at least 10th Generation processor, comparable, or better processor</p> <p><b>Operating System</b>          Latest compatible Operating System</p> <p><b>Memory</b>          At least 8 GB RAM or better memory</p>

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						<p><b>Graphics Processing Unit</b>          At least 4GB, comparable, or better graphics card</p> <p><b>Storage (HDD)</b>          At least 1 TB</p> <p><b>Storage (SSD)</b>          At least 256 GB</p> <p><b>Display</b>          At least 14 inches full HD</p> <p><b>Accessories and Peripherals</b>          -AC adapter and power cord          -With the latest compatible and available connectivity protocol (Wi-Fi, Bluetooth, etc.)          -With installed latest proprietary office productivity tools (proprietary and perpetual license)          -With web camera (at least 720p video capture resolution)          -With at least one (1) of each of the following: USB 3.1 port, USB Type-C port, HDMI port, Ethernet port, 3.5 mm audio combo jack port          -With carrying bag</p> <p>-With wireless mouse          -With user manual</p>
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							<b>Warranty</b> At least one (1) year from the final date of acceptance for parts and services
1	COMPUTER, LAPTOPS AND CHARGER	<b>Laptop</b>	7	50,000.00	350,000.00	SRED	<b>Processor</b> At least Intel Core i5, comparable, or better processor  <b>Motherboard</b> Compatible to at least 9th Generation processor, comparable, or better processor  <b>Operating System</b> Latest compatible Operating System  <b>Memory</b> At least 8 GB RAM or better memory  <b>Graphics Processing Unit</b> At least 2 GB, comparable, or better graphics card  <b>Storage (SSD)</b> At least 500 GB  <b>Display</b> At least 14 inches full HD  <b>Accessories and Peripherals</b> -AC adapter and power cord -With the latest compatible and available connectivity protocol (Wi-Fi, Bluetooth, etc.)

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							<ul style="list-style-type: none"> <li>-With installed latest proprietary office productivity tools (perpetual license)</li> <li>-With web camera (at least 720p video capture resolution)</li> <li>-With at least one (1) of each of the following: USB 3.1 port, USB Type-C port, HDMI port, Ethernet port, 3.5 mm audio combo jack port</li> <li>-With carrying bag</li> <li>-With wireless mouse</li> <li>-With user manual</li> </ul> <p><b>Warranty</b>          At least one (1) year from the final date of acceptance for parts and services</p>
1	COMPUTER, LAPTOPS AND CHARGER	<b>Monitor</b>	2	14,800.00	29,600.00	PPMD	<p><b>Screen Size</b>          At least 27-inch</p> <p><b>Screen Resolution</b>          At least Full HD or better resolution</p> <p><b>Refresh Rate:</b>          At least 144 Hz</p> <p><b>Accessories and Peripherals</b>  <ul style="list-style-type: none"> <li>-With at least one (1) of each of the following: USB port, HDMI port, and LAN</li> <li>-With user manual</li> <li>-With steel mounting frame and mounting provision, fixed wall mount type</li> <li>-PS Quality and/or safety mark</li> </ul> </p>

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							<b>Warranty</b> At least one (1) year from the final date of acceptance for parts and services
1	COMPUTER, LAPTOPS AND CHARGER	<b>Laptop Charger for Apple MF839ZP/ A Macbook Pro</b>	4	5,000.00	20,000.00	FMRDP	Power: At least 60 watts -With magnetic connector and LED indicator -With at least 1 meter AC adapter cord -Compatible to Apple Macbook pro with 13-inch Retina Display
<b>SUBTOTAL</b>							<b>1,699,600.00</b>
4	PRINTERS AND PROJECTOR	<b>Wireless All In One Printer</b>	2	25,000.00	50,000.00	SRED	<b>Printing</b> <ul style="list-style-type: none"> <li>● At least 6.5 ipm print speed for monochrome printing</li> <li>● At least 4.5 ipm print speed for colored printing</li> <li>● Can handle at least 8.5 inches printable width</li> </ul> <b>Scan</b> <ul style="list-style-type: none"> <li>● Flatbed scanner type or better type</li> <li>● At least 600 x 1200 dpi optical resolution</li> <li>● At least letter (8.5" x 11") and A4 (8.3" x 11.7") document size</li> </ul> <b>Copy</b> <ul style="list-style-type: none"> <li>● Can handle at least letter (8.5" x 11") and A4 (8.3" x 11.7") document size</li> <li>● At least 5.5 ipm colored copy speed</li> </ul> <b>Fax</b> <ul style="list-style-type: none"> <li>● At least 25 kbps fax speed or better</li> </ul>

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							<ul style="list-style-type: none"> <li>• Can handle at least letter (8.5" x 11") and A4 (8.3" x 11.7") document size</li> </ul> <p><b>Miscellaneous</b></p> <ul style="list-style-type: none"> <li>• At least 250 sheets paper capacity</li> <li>• At least compatible with Windows and Mac</li> <li>• With two (2) standby maintenance box</li> <li>• Wireless printing capable or better feature</li> <li>• With at least 2 m USB 2.0 interface cable</li> <li>• At least compatible with 220-240 V and 60 Hz AC power input</li> <li>• With user manual</li> <li>• At least 1-year warranty</li> </ul>
4	PRINTERS AND PROJECTOR	<b>A3 All In One Printer</b>	1	30,000.00	30,000.00	SRED	<p><b>Printing</b></p> <ul style="list-style-type: none"> <li>• At least 22 ipm print speed for monochrome printing</li> <li>• At least 20 ipm print speed for colored printing</li> <li>• Can handle at least A3 document size</li> </ul> <p><b>Scan</b></p> <ul style="list-style-type: none"> <li>• Flatbed scanner type or better type</li> <li>• At least 600x600 dpi optical resolution</li> <li>• Can handle at least A3 document size</li> </ul> <p><b>Copy</b></p> <ul style="list-style-type: none"> <li>• Can handle at least A3 document size</li> <li>• At least 9 ipm colored copy speed</li> </ul> <p><b>Fax</b></p>







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							<ul style="list-style-type: none"> <li>• Can handle at least A3 document size</li> <li>• At least 30 kbps data transfer rate or better</li> </ul> <p><b>Miscellaneous</b></p> <ul style="list-style-type: none"> <li>• At least compatible with Windows and Mac</li> <li>• Wireless printing capable or better feature</li> <li>• With at least 2 m USB 2.0 interface cable</li> <li>• At least compatible with 220-240 V and 60 Hz AC power input</li> <li>• At least 1-year warranty</li> </ul>
4	PRINTERS AND PROJECTOR	<b>Polyester Sticker Printer</b>	7	14,000.00	98,000.00	SRED	<p><b>Type</b> 203dpi, Thermal Transfer/Direct Thermal</p> <p><b>Printing</b></p> <ul style="list-style-type: none"> <li>• 4-5 Inch/s printing speed</li> <li>• 104mm (4.09 ) Maximum printing width</li> <li>• 2286mm (90 ) Maximum printing length</li> <li>• 300M Ribbon length</li> </ul> <p><b>Media Paper Type:</b></p> <ul style="list-style-type: none"> <li>• Continuous, gap, fan hold, black mark</li> </ul> <p><b>Media width</b></p> <ul style="list-style-type: none"> <li>• Maximum 120mm (4.72")</li> <li>• Minimum 20mm (0.78")</li> </ul> <p><b>Media gap</b></p> <ul style="list-style-type: none"> <li>• Minimum 2mm</li> </ul>

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							<p><b>Media Thickness</b></p> <ul style="list-style-type: none"> <li>0.058mm-0.305mm</li> </ul> <p><b>Drive</b>          Windows 2000、XP、Vista、Win7、Win8、Windows Server 2003&amp;2008</p> <p><b>Power supply</b>          Input: AC 110V/240V, Output: DC24V/2.5A,60W</p> <p><b>Miscellaneous</b>          USB interface</p> <p><b>Warranty</b>          At least one (1) year from the final date of acceptance for parts and services</p>
4	PRINTERS AND PROJECTOR	<b>All In One Printer</b>	2	14,600.00	29,200.00	FMRDP	<p><b>Printing</b></p> <ul style="list-style-type: none"> <li>At least 20 ipm print speed for monochrome printing</li> <li>At least 10 ipm print speed for colored printing</li> <li>Can handle at least 8.5 inches printable width</li> </ul> <p><b>Scan</b></p> <ul style="list-style-type: none"> <li>Flatbed scanner type or better type</li> <li>At least 600 x 1200 dpi optical resolution</li> <li>At least A4 document size</li> </ul> <p><b>Copy</b></p> <ul style="list-style-type: none"> <li>At least A4 document size</li> </ul>

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							<ul style="list-style-type: none"> <li>At least 20 seconds colored copy speed</li> </ul> <p><b>Fax</b></p> <ul style="list-style-type: none"> <li>At least 3 secs transmission speed for monochrome printing</li> </ul> <p><b>Miscellaneous</b></p> <ul style="list-style-type: none"> <li>At least compatible with Windows and Mac</li> <li>Wireless printing capable or better feature</li> <li>With Integrated Ink Tank</li> <li>At least compatible with 220-240 V and 60 Hz AC power input</li> <li>At least 1-year warranty</li> </ul>
4	PRINTERS AND PROJECTOR	<b>Multimedia Projector</b>	1	25,000.00	25,000.00	SRED	<p><b>Brightness</b> At least 3000 lumens or better</p> <p><b>Resolution</b> At least 800 x 600 or better</p> <p><b>Contrast Ratio</b> At least 15,000:1 or better ratio</p> <p><b>Lamp Life</b> At least 5000 hours or better at normal working conditions</p> <p><b>Accessories and peripherals:</b> -With the latest compatible and available connectivity protocol (Wi-Fi, Bluetooth, etc.)</p>

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							-With at least one (1) of each of the following: HDMI cable, Audio and Video Input cable, Composite (RCA) Video Input, RS-232 (DE-9/DB-9) Control and USB 2.0 (USB Type-A) Data Input -With Built-in speaker -With Lens cap -With Remote Control and Batteries -With User Manual  <b>Warranty</b> At least one (1) year from the final date of acceptance for parts and services
						<b>SUBTOTAL</b>	<b>232,200.00</b>
						<b>GRAND TOTAL</b>	<b>1,931,800.00</b>

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