Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING (BAFE)
Sugar Center, Annex II Building Extension, North Avenue, Diliman, Quezon City
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TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF VARIOUS ICT EQUIPMENT

I.   RATIONALE

The Bureau of Agricultural and Fisheries Engineering (BAFE) intends to procure the following:

1. **ID CARD PRINTER**

   To facilitate the printing of Identification Cards of the BAFE personnel.

2. **INTERACTIVE FLAT PANEL**

   To provide high-resolution audio/video during virtual/in-house meetings, the conduct of online training/ workshop, interviews and presentations of BAFE.

3. **DESKTOP COMPUTERS**

   To provide pieces of equipment which will be used by the technical personnel of SEPPD for the engineering projects that need higher system requirements specifications for the engineering software such as Computer-Aided Design (CAD), Structural Analysis and Design Software, 3D Modelling Design, and Planning Scheduling in Construction Management Software.

4. **WIRELESS / A3 ALL-IN-ONE PRINTER**

   To facilitate print copy of documents for the filling system and physical database of SRED specifically for the original copies of permits and certificates issued and for communication letters and other documents generated by SRED as there's only one (1) unit presently available.

5. **POLYESTER STICKER PRINTER**

   To provide QR printers with stickers for model LGUs in line with the implementation of DA-DILG JMC 2018-02, "National Guidelines on the Registration of Ownership of Agricultural and Fisheries Machinery and Equipment"

6. **INK TANK PRINTER**

To facilitate faster printing of bid documents, minutes of meetings, resolutions, contracts, and any other required documents without interruption.

7. **SHEET-FED SCANNER**

To facilitate faster scanning of documents such as Requests for Quotation (RFQs) and Notices of Award, for posting on the PhilGEPS website, BAFE website, and other online platforms for transparency.

II. APPROVED BUDGET FOR THE CONTRACT (ABC)

The ABC for the Supply, Delivery, and Installation of Various ICT Equipment is **One Million Three Hundred Eighty-Four Thousand and Four Hundred Ten Pesos (Php 1,384,410.00)** inclusive of all applicable government taxes and charges, professional fees, and other costs.

III. PROJECT/DELIVERY SITE
- The project shall cover the Supply, Delivery, and installation of Various ICT Equipment.
- All items shall be supplied, delivered, and tested at **BAFE, Sugar Center, Annex II Building Extension, North Avenue, Diliman, Quezon City.**

IV. PRODUCTION AND/OR DELIVERY SCHEDULE
- Goods and services shall be delivered within **Sixty (60) calendar days** from the receipt/conforme of the Notice to Proceed (NTP).

V. ITEM SPECIFICATIONS AND COST ESTIMATES

	DESCRIPTION/ PARTICULARS	QTY	UNIT COST	TOTAL COST
LOT 1				
1	**ID CARD PRINTER** • Dye Sublimation (Direct-to-Card) or better • Memory: At least 64MB, 8MB Flash • Resolution: At least 300dpi continuous tone • Accepted ID Card size: At least 2.13x3.37inch/53.98x5.66mm • Compatible ID Card Type: PVC	1	100,000	**100,000.00**

	• Compatible to latest Operating System (Windows/Mac) • Interface: USB 2.0, Ethernet, or better interfaces • With bundled program/software for creating ID cards to print ***Inclusion:*** *400 pieces blank PVC ID cards, consumables, and bundled software*			
LOT 2				
2	**Interactive Flat Panel** At least 86" TFT LCD Module with DLED Backlight; Ultra HD 3840 x 2160 4K resolution or better screen resolution; **Built-in PC:** At least A53 Quad-core 1.5GHz CPU or equivalent, Graphics: ARM Mali-450 Quad-core; At least 2GB DDR3 RAM; At least 32GB storage, 10/100M NIC or better GPV ; With wireless module provides a dual-band 2.4GHz/5GHz; WiFi network, as well as Bluetooth support **PC Module included:** at least Intel Core i5 processor, At least 8GB DDR4 memory (up to 16GB), and a 128GB M.2 SSD storage (up to 256GB), Windows 10 Operating system or latest compatible OS to provide additional computing power and touch functionality **Touch:** Type/tech: IR recognition, resolution: 32767 x 32767, 20 points touch, 10 points writing, At most response time: <15ms **Input & Output:** 4 HDMI 2.0, 1 VGA, 1 VGA Audio, 1 MIC, 3 USB 2.0, 2 USB (type B, 1 DP, 1 Earphone, 1 RJ45, 1 RS232 **Accessories:** Rack stand, 1x20m HDMI cable, USB-Type HD Camera and Wireless Mouse & Keyboard **Functionality (Uses):**	1	450,000.00	**450,000.00**

	Meeting and Training Room-Electronic Whiteboard; Projector; Computer (desktop mirroring, teleconferencing, etc.)				

LOT 3

| 3 | **DESKTOP COMPUTER (HIGH END)**

Processor
Total Cores: At least 10 Cores, comparable or better processor
Max Turbo Frequency: At least 5.2 Ghz
Cache: Up to 20MB

Motherboard
Compatible to at least 10th Generation processor, comparable, or better processor

Operating System
Latest compatible Operating System

Memory
At least 16 GB RAM or better memory

Graphics Processing Unit
At least 4GB GTX 1660 GDDR5, comparable, or better graphics card

Power Supply
Compatible with 220 – 240 V and 60 Hz AC power input is applicable

Storage (HDD)
At least 1 TB

Storage (SDD)
At least 256 GB

Display
At least 23 inches full HD

Accessories and Peripherals
-AC Adapter and Power Cord
-Wireless mouse
-Keyboard
-With installed Wi-fi Adapter (at least 1300 Mbps Wi-fi Speed) to PCI-E slot | 2 | 119,000 | **238,000.00** |

	-With installed latest proprietary office business productivity tools (proprietary and perpetual license) -System hardware specifications must be compatible with the following engineering software: • Structural and Analysis Design Software • Drafting and Design Software • 3D Modelling Design Software • Project Management Software -With Web Camera (at least 1080p video capture resolution) -With user manual			
Lot 4				
4	**WIRELESS ALL-IN-ONE PRINTER** **Printing** • At least 6.5 ipm print speed for monochrome printing • At least 4.5 ipm print speed for colored printing • Can handle at least 8.5 inches printable width **Scan** • Flatbed scanner type or better type • At least 600 x 1200 dpi optical resolution • At least letter (8.5" x 11") and A4 (8.3" x 11.7") document size **Copy** • Can handle at least letter (8.5" x 11") and A4 (8.3" x 11.7") document size • At least 5.5 ipm colored copy speed **Fax** • At least 25 kbps fax speed or better • Can handle at least letter (8.5" x 11") and A4 (8.3" x 11.7") document size **Miscellaneous** • At least 250 sheets paper capacity • At least compatible with Windows and Mac • With two (2) standby maintenance box • Wireless printing capable or better feature • With at least 2 m USB 2.0 interface cable	2	30,000	**60,000**

	• At least compatible with 220-240 V and 60 Hz AC power input • With user manual *Inclusion: One (1) set of genuine Ink (BK, M, Y, C)*				
5	**A3 ALL-IN-ONE PRINTER** **Printing** • At least 22 ipm print speed for monochrome printing • At least 20 ipm print speed for colored printing • Can handle at least A3 document size **Scan** • Flatbed scanner type or better type • At least 600x600 dpi optical resolution • Can handle at least A3 document size **Copy** • Can handle at least A3 document size • At least 9 ipm colored copy speed **Fax** • Can handle at least A3 document size • At least 30 kbps data transfer rate or better **Miscellaneous** • At least compatible with Windows and Mac • Wireless printing capable or better feature • With at least 2 m USB 2.0 interface cable • At least compatible with 220-240 V and 60 Hz AC power input *Inclusion: One (1) set of genuine Ink (BK, M, Y, C)*	1	35,000	**35,000**
6	**POLYESTER STICKER PRINTER** • Thermal Transfer type or better • Printing Resolutions: At least 203 dpi • Printing Speed: Minimum of 4 ips • Max printing width: 104mm (4.09) • Max printing length: 2,286mm (90) • Ribbon Length: At least 300mm • USB Interface • Features: Multilingual *INCLUSION:* **1) 1 Rolls Ribbon** **2) 4 Rolls Polyester Sticker**	17	25,000	**425,000**

	• Die-cut 50mmx50mm sticker • Media Roll Core Size: At least 25.4mm-38mm • Media gap: Minimum of 2mm • Media Thickness: 0.058mm-0.305mm • Paper Type: Polyester **NOTE:** *1 set = 4 rolls stickers + 1 rolls ribbon*			
7	**INK TANK PRINTER** • Inkjet Printer • Print Resolution Maximum of 1200x1800 • Print Speed: At least 17ipm(Mono)/9.5ipm(Colored) • Paper Capacity: Up to 150 sheets • Paper Output: Up to 50 sheets • USB 2.0 or better interfaces • Wireless LAN • Display: At least 1 line LCD (16 characters) • Memory Capacity: At least 128MB • Supported OS: Windows/MAC **Inclusion:** *Three (3) sets of genuine Ink (BK, M, Y, C)*	2	18,205	36,410`1
8	**SHEET-FED SCANNER** • Scanning Type: Sheet-fed • Sensor Type: CIS • Optical Resolution: Minimum of 600x600dpi • Output Resolution: 50 – 1,200dpi • Scanner Bit Depth (Colour): At least 48-bit input; At least 24-bit output • Scanner Bit Depth (Grayscale): At least 16-bit input; At least 8-bit output • Scanner Bit Depth (Black & White): At least 16-bit input; At least 1-bit output • Max Document Size: 216 x 1,117mm • Output File Formats: At least JPEG, TIFF, Multi-TIFF, PDF, Searchable PDF, BMP, PNG • ADF: YES • ADF Capacity: At least 20 sheets • Capable Automatic Duplex Scanning • Multi-feed Detection: Length Detection or better feed detection	2	20,000	40,000

VI. INSPECTION AND TESTS PROCEDURE

A. Inspector and/or Supply Officer may reject any unit or part thereof that fails to pass any test and/or inspection or does not conform to specifications.

B. Inspector and/or Supply Officer will issue an Inspection and Acceptance Report (IAR) upon determining that the delivered ICT Equipment (Printers, Interactive Flat Panel, and Desktop Computer) is usable and in good working condition.

VII. AFTER-SALES SERVICE OR PARTS

A. ORIENTATION/TRAINING REQUIREMENTS

- The Winning Bidder shall provide at least **one (1) day** of in-person/online training/technical updates on **LOTS 1 and 2**.

B. WARRANTY REQUIREMENTS

- To secure requested brand-new pieces of equipment with service and hardware warranty for **at least two (2) years**.
- Bidder must be available 8x5 technical support for the duration of the warranty/contract with an available 24x7, thru email, phone, or remote, 8x5NBD onsite support, 24-hour response time starting from the time of the report, and immediate supply of the service unit just in case the device is unrecoverable.

VIII. PAYMENT TERMS AND CONDITIONS

One-time payment shall be made upon completion of the supply, delivery, and installation of ICT Equipment subject to submission of the following documents:

a. Certificate of Warranty for all equipment;
b. Certificate of Replacement for defective items/parts; and
c. Sales Invoice/Delivery Receipt.

IX. MODE OF PROCUREMENT / AWARDING

The supply, delivery, and installation of ICT equipment will be procured through Public Bidding. The awarding of this project shall be done by **LOT.**

X. ADDITIONAL TECHNICAL DOCUMENTS

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All Bidders must submit the following documents:

1. Certification from the manufacturer that the bidder is an authorized reseller and/or distributor of the proposed products and/or certificate of product authenticity or PS markings.

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