



TECHNICAL SPECIFICATIONS

Supply, Delivery, and Installation of Various ICT Software Subscriptions for BAFE

I. RATIONALE/PURPOSE/OBJECTIVE

The Bureau of Agricultural and Fisheries Engineering (BAFE) has developed the Agricultural and Biosystems Engineering Management Information System (ABEMIS) and Geographic Information System for Agricultural and Fisheries Machinery and Infrastructure (GEOAGRI). The ABEMIS and GEOAGRI are both planning, programming, and monitoring tools used to implement various mechanization and infrastructure projects. These systems contain sensitive information, thus, the BAFE intends to purchase the following software to ensure system and data security:

- **SHORT MESSAGE SERVICE (SMS) APPLICATION PROGRAMMING INTERFACE (API) (ANNUAL SUBSCRIPTION).** SMS API is a type of API that allows businesses to integrate SMS messaging into existing software platforms. This enables users to send or receive SMS messages quickly and easily through any website or application.
- **SECURE SOCKET LAYER (SSL) CERTIFICATE (ANNUAL SUBSCRIPTION).** A Secure Socket Layer Certificate is a small data file installed on a web server that allows for a secure, encrypted connection between the server and a web browser. It will provide security to the BAFE website and protect important data from cybercriminals.

II. APPROVED BUDGET FOR THE CONTRACT (ABC)

The ABC for the **Supply, Delivery, and Installation of Various ICT Software Subscription for BAFE** is **One Hundred Ten Thousand Pesos Only (Php 110,000.00)** inclusive of all applicable government taxes and charges, professional fees, and all other costs.

III. PROJECT/DELIVERY SITE

- The project shall cover the **Supply, Delivery, and Installation of various ICT Software Subscriptions.**
- All items shall be supplied, delivered, and installed 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 **One Hundred Twenty (120) calendar days** from the receipt/conformance of the Notice to Proceed (NTP).

V. ITEM SPECIFICATIONS AND COST ESTIMATES

PARTICULAR	QTY	UNIT COST	TOTAL AMOUNT
<p>SMS API (Annual Subscription) (features/functions)</p> <ul style="list-style-type: none"> ● With Authentication (API key, token, username/password, etc.). ● With Direct SMS Server ● At least 200,000 SMS credits ● At least P 0.30 per SMS ● At least 640 characters ● With Unlimited maximum messages/Day ● With the following requested Parameters: <ul style="list-style-type: none"> ➢ Destination Number: The recipient's phone number. ➢ Message Content: The text of the SMS. ➢ Sender ID: The sender's identifier (numeric or alphanumeric). ➢ Message Type: SMS, MMS ● With HTTP Status Codes (Indicate the success or failure of the API request) ● With Encryption (Use of HTTPS to secure data transmission) ● With Compliance and Adherence to data protection and privacy regulations ● With Sample Code (Code snippets in various programming languages demonstrating how to make API requests) ● With Two-Way SMS, SMS Blast feature ● With interactive UI Dashboard 	1	65,000.00	65,000.00
<p>Secure Socket Layer (SSL) Certificate (Annual Subscription) (features/functions)</p> <ul style="list-style-type: none"> ● With Domain validation ● With Unlimited Sub-domain ● Support SHA2 algorithm & ECC 128/256-bit Encryption 	3	15,000.00	45,000.00



III. INSPECTION AND TEST PROCEDURE

- The inspector and/or Supply Officer can reject any unit or part that fails to pass any test and/or inspection or does not conform to specifications.
- The inspector and/or Supply Officer will issue an Inspection and Acceptance Report (IAR) upon determining that the delivered Various ICT Equipment is usable and in good working condition.

IV. AFTER-SALES SERVICES

A. ORIENTATION/TRAINING REQUIREMENTS

The Winning Bidder shall provide at least **one (1) day** of in-person training/technical updates. This shall include orientation on the use, maintenance, and troubleshooting of the software.

B. WARRANTY REQUIREMENTS

- To secure the usage and operability of the software, the winning bidder shall provide warranty services for **at least One (1) year**.
- The winning bidder must be available for 8x5 technical support for the duration of the warranty/contract with an available response on the **next business day** from the date the end-user reported the issues.

V. PAYMENT TERMS AND CONDITIONS

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

- a. Certificate of Warranty for the software; and
- b. Sales Invoice/Delivery Receipt.

VI. MODE OF PROCUREMENT / AWARDING

The supply, delivery, and installation of Various ICT Software Subscriptions will be procured through **Negotiated Procurement-Small Value Procurement**.

VII. ADDITIONAL TECHNICAL DOCUMENTS

To protect from unreliable and unproven products the bidders must obtain a Satisfactory Performance Certificate within the last two years from at least 1 contract and client. This ensures that the bidder has a good track record and can provide quality service.



Republic of the Philippines
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING
SRA Compound, Annex II Building Ext.
North Avenue, Diliman, Quezon City
(02) 8351-8120, (02) 8294-9741

Prepared by:

ENGR. JENNIFER M. SALAYON
Permanent Procurement Coordinator, PKMDD

Approved by:

ENGR. ARNEL L. TENORIO
Chief, PKMDD