

**PROJECT TITLE: SUPPLY AND DELIVERY OF TABLETS, MOBILE PREPAID LTE SIM CARDS AND QUEZON CITY WIFI SERVICE FOR DISTANCE LEARNING MODALITY OF SCHOOLS DIVISION OFFICE QUEZON CITY FOR S.Y. 2020-2021**

**I. RATIONALE AND BRIEF BACKGROUND**

The Covid-19 outbreak caused major and drastic changes in all aspect of our society. In the educational landscape, the pandemic prevents schools to open in the traditional way. Face-to-face interaction of teachers and learners is never an option, not until a vaccine for Covid-19 is made available for all. The Schools Division Office and Education Affairs Unit of Quezon City therefore proposes to resort to Distance Learning., specifically, the Home-Based Learning, as the learning modality for SY 2020-2021. This is offline learning where learners get access to lessons through the use of tablets with stored video lessons.

**II. PROJECT DECRPTION**

The Department of Education, through its basic Education Learning Continuity Plan, released a compendium of Most Essential Learning Competencies (MELC), basically trimming down the 14,000 plus competencies to less than 5,000 competencies in the K to 12 curriculums. The MELC now serves as the basis of the teachers in the development and delivery of their lessons. To ensure that the MELC will be taught and mastered by our learners this coming school year, and at the same time, making sure that learning is safe for both our teachers and learners, SDO and EAU proposes the use of tablets with recorded video lessons.

**III. PROJECT SCOPE OF WORK**

Supply and Delivery of Tablets with 10GB Data Allocation. This also includes the following:

- after sales services/warranty for repair and maintenance with provision of product and technical support services for the Tablet
- 1,000 access points in identified QC Government locations such as Barangay Offices, Schools, Health Centers, Sports Complex, and the like as part of the deliverables for the Data Provider

**IV. AREA OF COVERAGE**

The Procurement of Tablets with Data Allocation will then be distributed to Grade 7 to Grade 12 public school students of Quezon City.

**V. PROJECT STANDARD AND REQUIREMENTS**

**A. TABLET**

1. As part of the requirements in RA 9184, the Bidder must have completed a government or private contract that is SIMILAR in nature to his project within the last three (3) years equivalent to at least fifty (50%) of the approved budget for the contract (ABC) per line item.
2. Prospective Bidders must supply an established global brand of tablets with at least five (5) service centre within Metro Manila.

The prospective supplier must establish that its proposed model of tablet that they intend to offer must have been sold to at least 35 countries to be considered as global brand.

3. Prospective Bidder should submit an Authority to Sell from the Manufacturer of the brand of tablet being offered.
4. Affidavit of Undertaking for the warranty period (1 year) and provision of a product and technical support services for the tablet:
  - a. Hotline Support - Monday to Saturday, 9am - 9pm
  - b. Online Help (email, online support)
  - c. Offline Support - Service Centres
5. The winning bidder for the tablet will provide a customized laser logo of the Local Government Unit of Quezon City.

## **B. MOBILE PREPAID LTE SIM CARDS AND QUEZON CITY WIFI SERVICE**

### **B.1. MOBILE PREPAID LTE SIM CARDS for STUDENTS:**

1. As part of the requirements in RA 9184, the Bidder must have completed a government or private contract that is SIMILAR in nature to his project within the last three (3) years equivalent to at least fifty (50%) of the approved budget for the contract (ABC) per line item.
2. Automated monthly seeding through a web-based loading platform
2. Custom Prepaid Mobile Plan for students
  - Inclusions:
    - 10GB data allocation inclusive of 2GB Access Cap to Youtube and Facebook
    - Valid for 30 days
    - Data stacking if new data is seeded prior to the expiration date. Longer validity will be followed.
    - The following sites are blacklisted to ensure that data is utilized for studying and school related activities:
      - \*TikTok, Iflix, Twitch, Hulu, iWantTV, HOOQ, Amazon Prime Video, Tribe, Cinetropa, NBA, HBO Go, Disney Life, VIU, Cartoon Network, Crunchyroll, Fox+, and adult websites/content.
3. 5GB of unrestricted WiFi access every month, available for use in at least 2,000 access points within Quezon City offering public WIFI services

### **B.2. THE QUEZON CITY WIFI SERVICE:**

#### **B.2.1 General Requirements:**

1. The City shall partner with a WiFi Service Provider in the design, delivery, and operations of the Quezon City WiFi Service ("QC WiFi")
2. QC WiFi shall be accessible to registered residents, students, healthcare personnel and other users as determined by the City
3. The WiFi Service Provider shall provide at least 1,000 Access Points in identified QC Government locations such as Barangay Offices, Schools, health centers, sports complex, and the like, subject to serviceability.
4. The WiFi Service Provider shall provide the capability to extend QC WiFi to at least 2,000 additional access points of its current WiFi network within Quezon City, subject to agreement by the site owners.
5. The WiFi Service Provider shall provision and operate the WiFi network infrastructure for the duration of the contract period.

6. Prior to the termination of the contract, an option to extend the provision of the WiFi infrastructure for another 3 years shall be made available

### **B.2.2 QC WiFi Service Requirements:**

1. The SSID name to be used shall distinct to the QC WiFi service, with the final name to be determined by the City
2. The WiFi Service Provider will deliver one (1) hour of internet access per day to QC WiFi users.
3. The WiFi Service Provider shall provide a QC WiFi portal for user authentication with the following features:
  - Capability to customize look and feel of the portal pages
  - Support Username and Password as authentication method (The Username and Password shall be assigned to users by the City )
  - Ability to show static images (City Announcements) to the WiFi user as part of the login process
  - Ability to gather data through customized surveys the WiFi user as part of the log-in process
  - Ability to provide seamless access and automatic connection across multiple WiFi locations provided that the user has an active WiFi plan
  - Ability to detect repeat users of QC WiFi and provide an easier login experience. Repeat users will not need to input their credentials again, unless the user's devices is different from his previous log-in.
  - The WiFi Service Provider shall provide the City with a web based tool to manage QC WiFi user credentials
  - The WiFi Service Provider shall exclusively maintain and manage the Wi-Fi Service and shall be solely responsible for its design, features, functionalities, and execution.
4. The WiFi Service Provider shall have the capability to provide additional WiFi services to customers over and above basic QC WiFi requirements

### **B.2.3. Service Provider Capabilities**

#### **B.2.3.1. Track Record**

- The WiFi Service Provider must have a track record of designing, deploying, and operating a large scale public WiFi service of at least 20,000 Access Points in the Philippines
- The WiFi Service Provider must have experience in deploying public WiFi services for different site environments/types particularly shopping malls, schools, hospitals, local government units, and transport hubs such as bus terminals, airports, sea ports, etc.

#### **B.2.3.2. Delivery and Support Capability**

- The WiFi Service Provider must have a dedicated team of both in-house and outsourced personnel responsible for the deployment and support of a public WiFi Network
- The WiFi Service Provider must have a fully operational network management command center for public WiFi services operating for at least two years. The network management command center must have the following capabilities:

- A 24x7 Network Operations Center (NOC) dedicated to WiFi management and monitoring
- Proactive management, monitoring, and maintenance by experienced network technical operations personnel
- Operates on a 24 x 7 basis for fault detection and event monitoring, generating immediate alerts and responses for service outages and breaches associated with critical internet access points
- Follows industry best practices to ensure high level of network access and WiFi service availability
- Provides City access to email assistance using standard processes and procedures based on the IT Service Management framework
- Provides access to highly trained technical experts, who provide analysis-assisted logging, configuration, set-up, alerts, and 24 x 7 management of the access network

### **B.2.3.3. Delivery and Support Capability**

The Indoor WiFi infrastructure to be deployed must be of enterprise or carrier class equipment with the following capabilities:

WiFi Radio:

- Supports 802.11 B, G, N and AC
- Supports Dual Radio 2x2 802.11AC with Multi-User MIMO (Wave 2)
- Supports 867 Mbps in the 5GHz band (with 2SS/ VHT80 clients) and 300 Mbps in the 2.4GHz band (with 2SS/HT40 clients).
- Supports 256 associated client devices per radio, and up to 16 BSSIDs per radio.
- Supports 802.11ac wave2 beamforming
- Supports spectrum analysis
- Supports channel width configure flexibility (20/40/80Mhz)
- Supports 3 dBm transmit power (Class 2) and -92 dBm receive sensitivity - Integrated antenna with roughly 30 degrees downtilt and peak gain of 3.3dBi in 2.4GHz and 5.9dBi in 5GHz

WiFi Features:

- Wi-Fi Alliance certified
- Ability to use the same AP in a controller based or controller-less deployment
- Radio management that supports the following features:
  - Automatically assign channel, width, and power settings based on environment and client density
  - Provide airtime fairness and ensures that APs stay clear of all sources of RF interference
  - Can be configured to provide part-time or dedicated air monitoring for spectrum analysis and wireless intrusion protection
  - Can configure wireless mesh connections where Ethernet drops are not available
  - Capable of part-time or dedicated air monitoring, the spectrum analyzer remotely scans the 2.4GHz and 5GHz radio bands to identify sources of RF interference from HT20 through VHT80 operation
  - Ability to minimize interference from 3G/4G cellular networks, distributed antenna systems, and commercial small cells equipment

- Security features capable of the following:
  - Integrated stateful, layer 7 firewall
  - Web content filtering and web reputation in built natively in the platform
  - Rate limiting of multiple applications at the same time (>10 applications)
  - Limiting of peer to peer communication
  - Offers classification and prioritization of encrypted traffic
  - Avoids broadcast storms
  - Enforcement of QoS for tagged and untagged traffic
  - VLAN based service/device policy enforcement
  - User-role based service/device policy enforcement
  - Device ownership based policy enforcement
  - Location based service/device availability policy enforcement
  - Integrated VPN client software which encapsulates and encrypts traffic using L2TP and IPSEC
  - Device Assurance feature capable of the following:
    - Dedicated module for secure storage of credentials and keys
    - Integrated wireless intrusion protection for threat protection and mitigation, to eliminate the need for separate RF sensors and security appliances
    - IP reputation and security services identify, classify, and block malicious les, URLs and IPs, providing comprehensive protection against advanced online threats
- Interfaces:
  - Support the following interfaces:
    - One 10/100/1000BASE-T Ethernet network interfaces (RJ-45)
    - Auto-sensing link speed and MDI/MDX
    - 802.3az Energy Efficient Ethernet (EEE)
    - PoE-PD: 48Vdc (nominal) 802.3af/at/bt PoE
    - Visual indicators (multi-color LEDs): For system and radio status
    - Reset button: Factory reset (during device power up)
  - Kensington security slot
  - Console port for the ease of installation and management
  - Built-in Bluetooth Low-Energy (BLE) radio
- Power:
  - Supports direct DC power and Power over Ethernet (PoE)
- Environmental:
  - Operating temperature: 0 degree Celsius to +40 degrees Celsius (+32 degrees F to +104 degrees F)
- Reliability:
  - Carrier-grade with an MTBF of 795,000hrs (91yrs) at +25C operating temperature

## VI. PROJECT DURATION

### Tablet:

The 50% of the project shall be completed within fifteen (15) calendar day and the remaining 50% shall be completed within thirty (30) calendar days from the date of issuance of Notice to Proceed (NTP).

**Data Allocation:**

50% of the Mobile Prepaid LTE Sim Cards must be delivered within fifteen (15) calendar day and the remaining 50% shall be completed within thirty (30) calendar days from the date of issuance of Notice to Proceed (NTP).

The Service Provider shall deliver each site within a 6 months period counted from the 1) issuance of all permits, 2) agreement on availability of broadband service, and 3) agreement on finality of site. The total sites to be delivered within the contract term is 1000 sites.

**VII. APPROVED BUDGET FOR THE CONTRACT (ABC)**

The approved budget for the contract (ABC) for the following projects are:

Line Item No. 1: Procurement of Tablet - One Billion Two Hundred Thirty Two Million Pesos (Php1,232,000,000.00)

Line Item No. 2: Data Allocation - One Hundred Fifty Eight Million Four Hundred Thousand Pesos (Php158,400,000.00)

**VIII. BASIS OF PAYMENT**

In consideration for the supply and delivery of tablets as provided herein, the City shall pay the winning bidder the contract price upon delivery of all the items to the Schools Division Office of Quezon City.

Terms: One hundred percent (100%) of the Contract Price upon completion of delivery and acceptance of the items.

**IX. PENALTIES FOR BREACH OF CONTRACT**

Failure to deliver the goods according to the standards and requirements set by the City shall constitute an offense and shall subject the Contractor to penalties and/or liquidated damages pursuant to RA 9184 and its revised Implementing Rules and Regulations

**X. CANCELLATION OF TERMINATION OF CONTRACT**

The guidelines contained in RA 90184 and its revised IRR shall be followed in the termination of any service contract. In the even the City terminated the Contract due to default insolvency, or for cause, it may enter into negotiated procurement pursuant to section 53 (d) of RA 9184 and its IRR.

Approved by:

**MS. JENILYN ROSE B. CORPUZ, CESO VI (Sgd)**  
Schools Division Superintendent  
Schools Division Office