



Republic of the Philippines
QUEZON CITY COUNCIL

Quezon City
19th City Council

PR19CC-950

63rd Regular Session

RESOLUTION NO. SP- **6446**, S-2015

A RESOLUTION AUTHORIZING THE CITY MAYOR, HONORABLE HERBERT M. BAUTISTA, TO PURCHASE VARIOUS MECHANICAL AND TECHNICAL EQUIPMENT, IN THE AMOUNT OF TWO HUNDRED NINETY MILLION FOUR HUNDRED SIXTY TWO THOUSAND FIVE HUNDRED NINETY NINE PESOS AND EIGHTY FOUR CENTAVOS (PHP290,462,599.84), TO BE UTILIZED BY THE QUEZON CITY INTEGRATED SURVEILLANCE AND EMERGENCY RESPONSE CENTER (QC-ISERC), FOR THE EFFECTIVE OPERATION OF THE COMMAND CONTROL AND COMMUNICATIONS CENTER OF THE DISASTER RISK REDUCTION AND MANAGEMENT CENTER OF THE CITY.

Introduced by Councilor KARL EDGAR CASTELO.

Co-Introduced by Councilors Ricardo T. Belmonte, Jr., Dorothy A. Delarmente, Lena Marie P. Juico, Precious Hipolito Castelo, Voltaire Godofredo L. Liban III, Roderick M. Paulate, Ranulfo Z. Ludovica, Ramon P. Medalla, Estrella C. Valmocina, Allan Benedict S. Reyes, Franz S. Pumaren, Jose Mario Don S. De Leon, Jaime F. Borres, Jesus Manuel C. Suntay, Jessica Castelo Daza, Bayani V. Hipol, Jose A. Visaya, Julianne Alyson Rae V. Medalla, Godofredo T. Liban II, Andres Jose G. Yllana, Jr., Candy A. Medina, Diorella Maria G. Sotto, Marivic Co-Pilar, Rogelio "Roger" P. Juan, Melencio "Bobby" T. Castelo, Jr., Donato C. Matias and Ricardo B. Corpuz.

WHEREAS, pursuant to Section 455 (b), (1), (vi) of Republic Act No. 7160, otherwise known as the Local Government Code of 1991, states that, "The City Mayor shall represent the City in all its business transactions and sign in its behalf all bonds, contracts, and obligations, and such other documents upon authority of the Sangguniang Panlungsod or pursuant to law or ordinance";

WHEREAS, Section 455 (4) of the Local Government Code provides "Ensure the delivery of basic services and the provision of adequate facilities as provided for under Section 17 of this Code and, in addition thereto, shall: (ii) Coordinate the implementation of technical services, including public works and infrastructure programs, rendered by national offices in the case of highly urbanized and independent component cities, and by national and provincial offices in the case of component cities;

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WHEREAS, the City Mayor, Honorable Herbert M Bautista, stated in his 2013 State of City Address that our infrastructure projects must be in synch with the aim of spreading economic gains, while balancing the social needs of development." Thus, it is important to provide the Quezon City Disaster Risk Reduction and Management Office with the needed technical and mechanical equipments that will assist and effectively achieve its intended purpose;

WHEREAS, our vision is to provide a cost effective public safety system to be located in the newly constructed Quezon City Disaster Risk Reduction and Management Building;

WHEREAS, the technical and mechanical equipment proposed for procurement is described and valued, as follows:

Command and Control Center Equipment, Servers and Services

		UNIT PRICE		TOTAL PRICE
1	Video Wall 4 x 12 Slim Bezel 46" LED Monitors	48 pcs	207,200.00	P 9,945,600.00
2	Video Wall Controller (Built-in Controller-Integrated with the LED Monitor), Network decoding matrix, 128 HDMI input and 4 HDMI output	48 pcs	48,160.00	2,311,680.00
3	Wall Mount Support, wall mount aluminum racks (2"x2"x6meters) for 6x3 46" video wall	48 pcs	47,040.00	2,257,920.00
4	Accessories, HDMI Cables (5 meters), RS232 to RJ45 adapter, CAT5 Cables (40-50 Meters connected to the Network switch), Power Cables for 48 Monitors, USB to RS232 Cables, English Manual, Remote controller (for 48 Monitors & 243 Cameras)	1 Lot	280,672.00	280,672.00
5	Network Video Recording Server (2u) 10TB, Supports up to 100 cameras, extended RAID 5 storage unit	4 pcs	1,724,800.00	6,899,200.00
6	Video Management System VMS, Videowall manager Rack Mount 48ch	1 lot	5,079,782.40	5,079,782.40
7	Video Matrix Controller with 48 HDMI Input / output, VMS provides enhanced video handling accuracy, flexibility and alarms management. Security personnel gain improved decision-making capabilities, resulting in a higher efficiency, with less probability for human error. It has been specifically designed to achieve higher security levels in mission-critical, multi-users environments. (software & hardware)	1 lot	3,696,000.00	3,696,000.00

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63rd Regular SessionRes. No. SP- **6446**, S-2015Page -3- **PR19CC-950**

8	Command & Control System (touch Screen), Rack Mount, GIS Based incident Mapping with GIS Application for Mitigation Mapping	1 lot	1,731,744.00	1,731,744.00
9	Blade Server, Dual intel Xeon processor e7, Storage 30TB HDD+1TB SSD Raid 5, inclusive of Chassis & expansion Storage 30 TB Usable capacity	1 Lot	6,048,000.00	6,048,000.00
10	NMS & Video Analytic Server: Xeon Quad Core x3250 2.53GHz/1333MHz, Form Factor: EIA 22" Rack (1U), Cache Memory, Intel 3400 chipset	2 pcs	814,744.00	1,629,488.00
11	Image Enhancer Features: Penetrates fog, rain, snow, dust and haze and enhances observation range by up to 3 times in bad weather conditions, Real-time color and image enhancement Switches seamlessly between spectral ranges, e.g. VIS, Thermal (IR) Processes input from any imaging sensor	1 pc.	274,400.00	274,400.00
<i>Application and Database Server (Remote Gateway Server)</i>				
12	6TB: Xeon Quad Core x3650 2.53GHz/1333MHz, Form Factor: EIA 22" Rack (2U), Cache Memory, Intel 3400 chipset	1 pc.	974,400.00	974,400.00
13	Workstation Desktop PC with 32" LED Monitors (4th generation?)	17 pcs	59,360.00	1,009,120.00
14	PABX Call System Telephony - PABX System - Capable Of converting analog & ISDN (e1 & T1 Trunks to VOIP), With recorder interface, An All-in-One solution with features such as quick connection, call forwarding, call back of missed calls, remote operator, dual numbering (i.e., the calls can come in through the IP PBX or directly to the end-user line), short message service, voice mail, text messaging, etc, the system allows you to keep closer ties with callers as well as employees and Rescue units.	1 Lot	7,132,160.00	7,132,160.00
15	Advance Two-way Radio Trunking Solution, Significant time and cost savings & must be 100% compatible with the existing equipment of QC LGU • Flexibility for coverage and capacity, Great privacy And security, Optimized Grid, Enlarged top display, Dual microphones, 1 watt speaker, multiband operation, integrated GPS, Wide area coverage and faster channel access so users can connect quickly and work effectively, Rapid, easy installation, Unique profile for every user, with call history, visual indication of network connection (wifi, 3G or 4G), private calls, group calls, multi-group calls, OTA programming of subscriber unit, emergency alert	2 lots	269,438.40	538,876.80

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D

63rd Regular Session

Res. No. SP- **6446**, S-2015
Page -4- PR19CC-950

16	24 Port 100/1000Gigabit Managed Switch with V-LAN incl. Fiberport	1 pc.	58,240.00	58,240.00
17	24 Port 100/1000 Ethernet Gigabit Switch, 220V with V-LAN	6 pcs	51,520.00	309,120.00
18	Close Type Data Cabinet 6ft.x 1000mm with 8 power strip & fan	3 pcs	72,800.00	218,400.00
19	UPS 9000 Watts / 10000 VA /, Input 230V / Output 230V	1 pc.	386,400.00	386,400.00
20	UPS 11000 VA /, Input 230V / Output 230V (5U Rack) With LCD Display	2 pcs	464,800.00	929,600.00
21	Video Wall Frame Support Materials (2"x4"x1.5mm Rectangular Tube 6meter height, 1 ft distance for 12 to 14 meters wall) incl. Erection Labor and Design and Fabrication including bolt & nuts	1 Lot	1,008,000.00	1,008,000.00
22	Solar Power 36KW System with ESS (Storage System) (Hybrid working as Off-Grid & Tie- Grid), includes Solar Panels (120 units of 300W) and Inverters(36KW)	1 Lot	7,649,600.00	7,649,600.00
23	System Design & Eng'ng (NOC)	1 Lot	1,288,000.00	1,288,000.00
24	System Integration, Installation and Commissioning of Videowalls, Network, NVR, VMS and Workstations (PC)	1 Lot	1,265,600.00	1,265,600.00

LED Boards

25	All weather Visual LED Board 2 meters high x 3 meters Wide P16, Superior Uniformity: Solved the mosaic problem, so the image consistency across a display is excellent			
	<ul style="list-style-type: none"> • Extra-high brightness and can be adjustable: It can meet the needs for different environmental applications. • Better viewing experience: The screen can show clear & vivid text, pictures and video • Easy maintenance: Can be maintained by single pixel, the cost of which is low 	30 pcs	362,880.00	10,886,400.00

Software Applications & Licenses

26	Windows Server 2012 OLP (data Center edition)	4 pcs	49,280.00	197,120.00
27	Windows Server CAL OLP	20 lots	1,904.00	38,080.00
28	Windows 7 Pro 32/64 bit	17 lots	7,616.00	129,472.00

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63rd Regular Session

Res. No. SP- **6446**, S-2015
 Page -5- PR19CC-950

29	CAD-Emergency Response Application Software, CAD Computer Aided Dispatch System with Desktop, Web, Mobile Modules Feature : Web-based software package. It is a crossplatform system, designed to be deployed on any computercapable of delivering Web content using the AMP stack (Apache, MySQL, and PHP)			
	<ul style="list-style-type: none"> • SITUATION DISPLAY • CREATING CALL RECORDS • DISPATCHING UNITS • CLOSING A CALL • REPORTS • CONFIGURATION 	1 lot	18,480,000.00	18,480,000.00

Wireless Private Network units and Services

30	1-sector High Capacity WiMax Base Station 4.9-6.0 GHz, 6.0- 6.4 GHz, Ch. Bandwith 5,10,20,40 MHz	12 pcs	1,280,137.60	15,361,651.20
31	PTM Installation & Mounting Materials, (3"x3ft GI tube T-Frame or H-Frame), stainless strap, Pole mount or attached to high mast antenna including Steel Fabrication	12 pcs	162,176.00	1,946,112.00
32	CPE WiMax High Capacity Integrated Antenna Subscriber Terminal, 4.9-6.0 GHz, 6.0-6.4 GHz including licenses	100 pcs	60,480.00	6,048,000.00
33	CPE Installation & Mounting Materials (2"x2ft GI tube T-Frame), stainless strap, Pole mount	100 pcs	5,600.00	560,000.00
34	High Capacity PTP Backhaul Radio, 300-450Mbps, MIMO 2x2 with OFDM 64/128, 4.9-6.0 GHz and 6.0-6.4 GHz, Ch. Bandwith 5,10,20,40 MHz	12 Lot	1,708,000.00	20,496,000.00
35	PTP Installation & Mounting Materials (3"x3ft GI tube T-Frame or H-Frame), stainless strap, attached to high mast antenna including Steel Fabrication	12 lot	262,893.12	3,154,717.44
36	16 Port 100/1000 Ethernet Gigabit Switch, 220V	12 pcs	18,480.00 2	221,760.00
37	8 Port 100/1000 Ethernet Gigabit Switch, 220V	80 pcs	4,144.00 3	331,520.00
38	Close Type Outdoor Data Cabinet 6ft x 1000mm with 8 power strip & fan (42U), with Service Tray	1 pc	72,800.00	72,800.00
39	Close Type Outdoor Data Cabinet 3ft x 1000mm with 8 power strip & fan, with Service Tray	6 pcs	38,080.00	228,480.00
40	Site Survey - to verify the information provided by the customer as inputs for the radio planning	1 pc	1,344,000.00	1,344,000.00

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D

63rd Regular Session

Res. No. SP- **6446**, S-2015
Page -6- PRI9CC-950

41	EME Survey – related to all survey tasks, number of Sites. Survey of Service Area for possible interferers.	7 Lots	812,000.00	5,684,000.00
42	PTP - Site Commissioning, Identification of Base Station including design and wiring for power and installation of Indoor/outdoor data cabinet for equipment/switch room	7 Lots	736,960.00	5,158,720.00
43	Site Design and Engineering (Pre and Post Implementation) 1 Lot	1 Lot	670,880.00	670,880.00
44	Technical Documentation (As Built plan)	1 Lot	498,400.00	498,400.00

Fiber Optic Module

45	Fiber Optic Cable-- Multi -Tube 24 Core (Figure 8)	150000 meters	134.40/meter	20,160,000.00
46	Splice Closure- FOSC202-24-in-line Type Joint Closure, In-line application closure, 1 pcs 24F splice tray	225 pcs	24,640.00	5,544,000.00
47	Optical Distribution Frame 19-inch rack mounted ODF box, SC/UPC adapters, 2pcs standard 12 cores splice tray	12 pcs	50,400.00	604,800.00
48	Modem Interface / Media Inverte 100/1000 up to 5km distance	350 pcs	3,360.00	1,176,000.00
49	Engineering On - Site	150000 meters	16.80/meter	2,520,000.00

Fiber Optic Module

50	Splicing Labor per Core- Fiber Optic splicing works per splice point of 24 core FOC	850 pcs	1,680.00	1,428,000.00
51	Mobilization / De-Mobilization - Labor Only – FOC Lay-out of 1KM Fig 8 Aerial FOC, Pole hardware installation, Tensioning, Fixing and Final Dressing	150000 meters	28.00/meter	4,200,000.00
52	Labor and Materials (Clamps, Cable support, etc.)- Pole hardware (Pole clamp, suspension clamp, tie-wire, cable tie, flexihose for the 1KM FOC installation	150000 meter	123.20/mtr	18,480,000.00
53	Splicing Labor per Core	850 pcs	728.00	618,800.00
54	Fiber Switch 24ports SFP	4 pcs	280,000.00	1,120,000.00

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7

63rd Regular Session

Res. No. SP- **6446**, S-2015
Page -7- PRI9CC-950

55	Fiber Switch 8ports RJ45, ISFP	250 pcs	8,176.00	2,044,000.00
56	Fiber Patch Cord (3m)	400 pcs	7,280.00	2,912,000.00

Surveillance Cameras & Video Analytics

57	Full HD, All weather IP PTZ Camera (1080P) 36x zoom incl. Camera Bracket, IP66 compliant with Video Analytics	100 pcs	265,739.04	26,573,904.00
58	Full HD, All weather IP FIX WDR Camera (1080P) incl. Camera Bracket, IP66 compliant Enclosure, with Video analytics	143 pcs	183,484.00	26,238,212.00
59	Face Recognition and Acquisition Software	10 pcs	280,000.00	2,800,000.00
60	Flood Measurement Software	20 pcs	85,120.00	1,702,400.00
61	Other Analytics - (40 Zones, Tamper, Shake Cancel, Surveillance, Presence, Abandoned & Removed Objects, Object Class, Calibration, Speed, Direction, Loitering + People Surveillance & Counting Lines, color signature (Per Channel)	213 pcs	53,200.00	11,331,600.00
62	Utility Combox with 6 gang extension	240 pcs	10,203.20	2,448,768.00
63	Mounting Materials Brackets & plates wall or ceiling mount with 6"x 1.5" GI Pipe & Stainless Strap (including Wires Royal Cord size 18 & STP Cables)and Services -(Configuration, Testing & Commissioning)	240 Set	14,000.00	3,360,000.00

Paging System

64	All weather 15-Watt, One-Way Public Address Horn with built-in Amplifier and Outdoor finish	25 pcs	30,800.00	770,000.00
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Total: P290,462,599.84

WHEREAS, the City Council hereby authorizes Mayor Herbert M Bautista, to procure the various mechanical and technical equipment that will facilitate the Quezon City Integrated Surveillance and Emergency Response Center (QC-ISERC) for its planning, monitoring and maintenance for quick response of the Quezon City Disaster Risk Reduction and Management Office of Quezon City subject to existing laws, rules and regulations.

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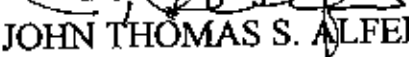
NOW, THEREFORE,

BE IT RESOLVED BY THE CITY COUNCIL OF QUEZON CITY IN REGULAR SESSION ASSEMBLED, to authorize, as it does hereby authorize, the City Mayor, Honorable Herbert M Bautista, to purchase various mechanical and technical equipment, in the amount of Two Hundred Ninety Million Four Hundred Sixty Two Thousand Five Hundred Ninety Nine Pesos and Eighty Four Centavos (Php290,462,599.84), to be utilized by the Quezon City Integrated Surveillance and Emergency Response Center (QC-ISERC), for the effective operation of the Command Control and Communications Center of the Disaster Risk Reduction and Management Center of the City.

ADOPTED: June 8, 2015.



VINCENT D.G. BELMONTE
President Pro-Tempore
Acting Presiding Officer

ATTESTED:


Atty. JOHN THOMAS S. ALFEROS III
City Gov't. Asst. Dept. Head III

CERTIFICATION

This is to certify that this Resolution was confirmed by the City Council on June 15, 2015 and was reverted back to Second Reading on August 10, 2015 and was RE-CONFIRMED on the same date under Suspended Rules.


Atty. JOHN THOMAS S. ALFEROS III
City Gov't. Asst. Dept. Head III
