



TERMS OF REFERENCE (TOR)
SUPPLY, DELIVERY, INSTALLATION, PROGRAMMING, AND TESTING
& COMMISSIONING OF LED DIGITAL LIGHTS ON THE FAÇADE OF
QUEZON CITY HALL HIGH RISE BUILDING

I. RATIONALE AND BACKGROUND

The Quezon City Government, under the present administration, seeks to highlight the High Rise Building as its seat of power and center of public office by enhancing the aesthetics of the frontage of the building.

II. PROJECT OBJECTIVES

This project aims to improve and highlight the facade of the High Rise Building within the Quezon City Hall Compound by installing programmable LED digital lights.

III. PROJECT SCOPE OF WORK

The Scope of Work under this project aims to ensure attainment of the Project Objectives.

The scope of work for the Supply, Delivery, Installation, Testing & Commissioning, Programming of RGB LED Digital Lights on the Façade of QC Hall High Rise Building, as indicated in the Area of Coverage, shall include but not be limited to the following:

1. Mobilization works such as transport of the materials, construction of temporary facility, securing of gate pass, coordination to the affected offices/ departments, security and authorized GSD personnel and other works in adherence with the Quezon City Hall Compound Housekeeping Rules.
2. Provision/ rental of gondola lift.
3. Supply, layout, and installation of RGB LED digital tube lights within the facade.
4. Layout of THWN copper wires & royal cords.
5. Layout and installation of rigid metal conduit and flexible conduit.
6. Supply and installation of power supply for the RGB LED digital tube light.
7. Setting-up and programming of DMX Decoder LED digital controller.
8. Testing and commissioning.
9. Restoration of damage that occurred during the conduct of the scope of works.
10. Demobilization works including cleanup works.

TECHNICAL SPECIFICATIONS:

Outdoor DMX512 RGB LED Digital Tube Light

Length:	1m
Color of fixture:	White
Color of lights:	Red, Green, Blue
Material:	Aluminum lamp body + tempered glass
IP Grade:	IP65
Lamp:	LED lens waterproof silicon gasket line

DC Power Supply

Wattage: 600W
Input voltage: 90-305V
Input current: 3.3A/230V_{AC} | 2.9A/277V_{AC}
Output voltage: 24V/25A
Output type: Constant voltage/ constant current, 95% efficiency
IP Grade: IP65

DMX Decoder LED Digital Controller

Input voltage: 220V

Specifications:

- Serial SPI signal
- Communication synchronization
- FAT32 SD format
- 8G SD
- 32 levels – 65536 levels of grayscale control
- Software gamma correction processing
- Can control lamps with TTL signal.
- Each port can output independently and can carry 1024 lamps.

- Liabilities of Service Provider:

1. The contractor shall indemnify and keep the City indemnified against all losses and claims for injuries or damage to any person or property whatsoever which may arise or consequence of the performance of this agreement and against all claims, demands, proceedings, damages, cost, charges and expenses whatsoever in respect of or in relation thereto.
2. The contractor agrees that the City shall be free from any liability to any accident at the service provider's personal doing to implementation of the contract.

IV. AREA OF COVERAGE

Quezon City Hall High Rise Building.

V. PROJECT STANDARDS & REQUIREMENT

The following are the minimum qualifications and requirements for the contractor:

❖ Track record

- The service provider must have at least Three (3) years actual experience in electrical installation & services particular to building exterior lightings.

❖ Organization

- The Contractor shall submit its detailed organization chart which should indicate an established organizational structure of technical personnel to show its capability to undertake the project.

❖ Manpower

- The Contractor shall provide at least ten (10) electrical practitioners wearing complete personal protective equipment while performing the installation and testing works.

- All services to be rendered must be supervised by a duly registered and authorized Safety Officer and must provide a Certificate of Registration and License.

VI. PROJECT DURATION

The project period is ninety (90) calendar days upon issuance of Notice to Proceed.

VII. WARRANTY

The contractor shall provide a one (1) year warranty for the equipment and workmanship.

VIII. APPROVED BUDGET FOR THE CONTRACT

The City has set an Approved Budget for the Contract (ABC) of FIVE MILLION EIGHT HUNDRED THREE THOUSAND FIVE HUNDRED EIGHTY TWO AND 50/100 PESOS ONLY (PHP 5,803,582.50)

- ❖ No Price Adjustment
- ❖ The Project cost shall be fixed and there shall be no price adjustments applicable for the duration of the contract except when the operations cost is increased by more than 10% as a result of any extraordinary circumstance as determined by the National Economic Development Authority (NEDA). Pursuant to the provisions of RA 9184 and its IRR on contract price escalation, all contract price escalation shall be approved by the Government Procurement Policy Board (GPPB).

IX. BASIS OF PAYMENT

One-time payment upon completion of the scope of work.

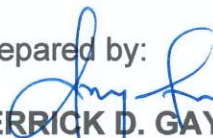
X. PENALTIES FOR BREACH OF CONTRACT

Failure to deliver the services 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.

XI. CANCELLATION OR TERMINATION OF CONTRACT

The guidelines contained in RA 9184 and its revised IRR shall be followed in the termination of any service contract. In the event the City terminated the Contract due to default insolvency, or for cause, it may enter into a contract pursuant to RA 9184 and its IRR.


Prepared by:


JERRICK D. GAYETA
Acting Division Chief, BGMD

Submitted by: 

Noted:


FE B. BASS
Officer-in-Charge

 City General Services Department