# TERMS OF REFERENCE SUPPLY, DELIVERY, PRE-COMMISSIONING, COMMISSIONING, TESTING AND RE-TESTING OF ELECTRIC CITY BUSES FOR QUEZON CITY GOVERNMENT

#### I. BACKGROUND

It is one of Quezon City Government's visions to create a safe, sustainable and resilient city for its constituents. Hence, in 2020, at the onset of the Coronavirus Disease 2019 (COVID-19) Pandemic where the public was heavily burdened by the suspension of public transportation and the decrease in volume and capacity of the public utility vehicles (PUVs) to service the commuters, the City implemented the Bus Augmentation Program which was later institutionalized as Ordinance No. SP-3184, S-2023, otherwise known as the "QCity Bus Ordinance."

In accordance to said QCity Bus Ordinance, the City's commitment in reducing 30% of the greenhouse gas emissions by 2030, and in compliance with Republic Act No. 11697 otherwise known as the "Electric Vehicle Industry Development Act or EVIDA Law" which states that Government Fleets shall ensure that at least five percent (5%) of their fleet, whether owned or leased, shall be electric vehicles, the transition to electrification of the City's service vehicles, starting specifically with electric city buses, was conceptualized to help in reducing the City's dependence on the conventional Internal Combustion Engine (ICE) buses which as per studies, impact 25% of the black carbon emission on the transportation sector in the world.

This project is envisioned to serve the people of the City and to support the City's programs. In addition, the implementation and operation of this project shall be guided by the principles of environmental sustainability, accountability and good governance, and the best interest of the constituents of Quezon City.

## II. PROJECT DESCRIPTION

The project is to provide transportation to the people of the Quezon City Government by utilization of the electric city buses. In addition, it is expected for augmentation with the existing city buses on the current city bus routes should the need arise. The City Government shall utilize its manpower for the deployment of drivers and conductors which will be sourced from City General Services Department and Traffic and Transport Management Department.

## III. OBJECTIVES

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This project aims to provide safety, convenience, and comfort to the constituents by providing local government service vehicles which complies with the commitment of the city in reducing carbon emissions by utilizing electric city buses instead of conventional diesel powered buses.

#### IV. SCOPE OF WORK

The Supplier shall be responsible for all aspects of the permitting, government approvals, detailed engineering investigations, design, manufacture, procurement, supply shipping, logistics, transportation to site, security and importation, storage, delivery, site management, and coordination, in line with the supply and delivery of the electric city buses.

Specifically, the Supplier will take the lead in completing the following tasks and activities:

Scope of Work	Minimum Activities	Delivery Schedule
A. Submission of documents	The Supplier shall submit a Certificate of Recognition from Department of Energy (DOE) of the vehicle for sale as electric vehicle upon issuance of Notice to Proceed;	Upon issuance of Notice to Proceed
B. Supply and Production of Eight (8) Units Electric City Buses	<ul> <li>The Supplier shall be responsible for coordination with the manufacturer and must ensure compliance with the project standards and requirements (See Annex B, C, D, E, F, G);</li> <li>The Supplier shall submit a seat configuration plan of the bus ensuring compliance with the project standards and requirements (See Annex F);</li> <li>The Supplier shall provide a notarized Certification of Product Registration from the country of origin;</li> <li>The Supplier shall provide a manufacturer's certification stating the bus units' motor number and chassis number;</li> <li>The Supplier shall provide factory test results of the battery of the electric bus;</li> </ul>	Within 120     Calendar Days     upon issuance of     Notice to Proceed

C. Pre-Commissioning Tests of Electric City Buses	<ul> <li>The Supplier shall perform pre-commissioning tests in the presence of authorized representatives from the Office of the City Administrator, Local Economic Investment Promotions Office, Traffic and Transport Management Department, and other departments offices deemed needed for the activity to validate compliance with the TOR and Bid Documents;</li> <li>All costs incurred upon and for conduct of pre-commissioning tests, including but not limited to transportation and incidental, must be shouldered by the Supplier;</li> <li>All deficiencies encountered during testing and pre-commissioning must be rectified and subjected for re-testing. Expenses and incidental costs for re-testing shall be shouldered by the Supplier;</li> <li>All activities shall be recorded, reported and documented in an appropriate manner. The Supplier shall issue a Certificate of Completion after the successful pre-commissioning activities of the electric city buses;</li> </ul>	Within 120     Calendar Days     upon issuance of     Notice to Proceed or     upon completion of     Item B. Supply and     Production of Eight     (8) Units Electric     City Buses
D. Initial Training and Technology Transfer	<ul> <li>The Supplier shall conduct theoretical and practical capacity building trainings with duration of not less than twenty (20) hours for authorized City Personnel(s) on proper operation, monitoring and maintenance of the Electric City Buses within 140 calendar days upon the issuance of NTP or upon completion of Item C.         Pre-Commissioning Tests of Electric City Buses;         </li> <li>A Certificate of Completion or Attendance shall be issued to the participants of the trainings.</li> </ul>	Within 140     Calendar Days     upon issuance of     Notice to Proceed or     upon completion of     Item C. Pre-     Commissioning     Tests of Electric     City Buses
E. Delivery and	The Supplier shall be responsible for all	Within 150  Calondar Days
Registration of	land transportation and shipping	Calendar Days

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Eight (8) Units Electric City Buses	requirements and costs necessary for the delivery of the electric city buses from the country of origin to Quezon City Government;  The Supplier shall be responsible for all importation documents such as Bill of Lading, Certificate of Origin and Packing List;  The Supplier shall conduct a product demonstration based on the technical specifications of the electric city buses in the presence of the Office of the City Administrator, Local Economic Investment Promotions Office, Traffic and Transport Management Department, and other departments/offices deemed needed for the activity to validate compliance with the project standards and requirements;  The Supplier shall turn-over to the Quezon City Government, through the Office of the City Administrator, the original Official Receipt and Certificate of Registration (OR/CR) of the electric city buses;	upon issuance of Notice to proceed or upon completion of Item C. Pre- Commissioning Tests of Electric City Buses
F. Commissioning Tests of Electric City Buses	<ul> <li>Upon completion of delivery of the Electric City Buses, the Supplier shall perform commissioning tests in the presence of Office of the City Administrator, Local Economic Investment Promotions Office, Traffic and Transport Management Department, and other departments/offices deemed needed for the activity to validate compliance with the TOR and Bid Documents.</li> <li>All deficiencies encountered during testing and commissioning must be rectified and subjected for re-testing. Expenses and incidental costs for re-testing shall be shouldered by the Supplier</li> <li>All activities shall be recorded, reported and documented in an appropriate manner. The Supplier shall issue a</li> </ul>	Within 160     calendar days upon     issuance of Notice     to Proceed or upon     completion of Item     E. Delivery and     Registration of     Eight (8) Units     Electric City Buses

	Certificate of Completion after the successful commissioning activities of the electric city buses;	
G. Turn-over of relevant documents	<ul> <li>The Supplier must turn-over the relevant documents after project completion:         <ul> <li>a. Schedule of Maintenance for a period of one (1) year upon turn-over for the Electric Bus</li> <li>b. Warranty Certificates and list of Full Warranty Coverage</li> <li>c. List of Consumables included on their Maintenance Coverage for a period of one (1) year upon turn-over of the electric city buses</li> </ul> </li> </ul>	Within 180 calendar days upon issuance of Notice to Proceed or upon completion of Item F. Commissioning Tests of Electric City Buses
H. Supplementary / Refresher Training and Technology Transfer	<ul> <li>The Supplier shall conduct quarterly refresher trainings (mechanical and electrical) and shall continuously monitor and train the authorized City Personnel(s) for a period of one (1) year.</li> <li>A Certificate of Completion or Attendance shall be issued to the participants of the trainings.</li> </ul>	<ul> <li>Within 365 calendar days upon turn-over of the electric city buses</li> </ul>
I. Monitoring and Maintenance of the Electric City Buses	<ul> <li>For a period of one (1) year upon turn over of the electric city buses, with regard to issues concerning the electric city buses, the Supplier shall provide free consultation(s) and inputs to be undertaken on site of the depot location to be determined by the City. In addition, the Supplier shall provide free consultation(s) on maintenance and repair problems as well as providing manpower for roadside assistance/maintenance.</li> <li>The Supplier shall submit maintenance accomplishment reports based on the schedule of maintenance.</li> </ul>	Within 365 calendar days upon turn-over of the electric city buses

All tasks and activities for the completion of the scope of work must be coordinated closely with the concerned departments and offices of the Quezon City Government.



Any revisions and improvements to be made during actual implementation must be properly coordinated and approved by the Office of the City Administrator and Local Economic Investment Promotions Office.

## V. PROJECT STANDARD AND REQUIREMENTS

In addition to the requirements provided under Republic Act (R.A.) 9184 and its Revised Implementing Rules and Regulations (RIRR), otherwise known as the "Government Procurement Reform Act", the Supplier shall also comply with the following requirements:

## 1. General Requirements for the Supplier

- a. Opening of Bids
  - The Supplier must have a PhilGEPS Platinum Registration Certification;
  - That the Supplier shall submit a duly notarized certification of authenticity that the manufacturer has at least fifteen (15) years experience in manufacturing commercial buses and ten (10) years minimum existence in the market of electric bus either overseas or in the Philippines;
  - The Supplier must be a legitimate distributor of commercial buses for at least ten (10) years in the Philippine market;
  - The Supplier shall submit a Certificate of Exclusive Dealership/ Distributorship or Manufacturer's Authority to Distribute or Authority to Sell from the Manufacturer/Dealer of the Vehicle being offered
  - That the Supplier shall submit a certification guaranteeing their response time of at least 24 hours in case of need whether technical, electrical or mechanical.
  - The Supplier shall submit Land Transportation Office (LTO) accreditation as motor vehicle dealer;
  - That the supplier shall submit technical specifications with brochure, showing among others, the pertinent features of the vehicle;
  - That the Supplier shall submit a notarized certification from the Manufacturer/Distributor/Dealer on after-sales services and availability of parts specified in Section VIII - After Sales Support;
  - That the Supplier must have service center or partner service center, service bay facility, and/or re-build center at least five (5) within

Greater Metro Manila<sup>1</sup> for after-sales service which must be supported with proof;

- The Supplier must submit ISO 9001:2015 certificate for Quality Management System of the manufacturer of the bus to be offered;
- The Supplier shall submit a Single Largest Completed Contract for the last three (3) years similar to the supply of vehicles which must be no less than the 50% of the Approved Budget for the Contract (see Section X. Approved Budget of the Contract and Cost Derivation)

#### b. Post-Qualification

 The Supplier must have an existing Certificate of Recognition/ Accreditation issued by the Department of Energy for the specific electric bus unit being offered for sale

#### c. Project Implementation

The Supplier shall submit proof of vehicle registration under the name
of Quezon City Government for the first three (3) years with one (1)
year Government Service Insurance System (GSIS) comprehensive
insurance upon delivery of the electric city buses

## 2. Requirements for Electric Bus Units

List of the following specifications must be present in the Electric Bus:

- a. Vehicle body must be a standard bus size of at least twelve (12) meters with a minimum total passenger capacity of fifty-six (56), as follows:
  - seating capacity of forty-one (41), including the driver
  - standing of fifteen (15)<sup>2</sup>
  - with a provision for wheelchair area and wheelchair ramp

(see Annex G for the interior bus design/ seat design).

- b. Travel range must not be less than 200 km at full charge
- c. Must have battery capacity of not less than 300kWh and IP rating of not less than IP68<sup>3</sup>; The Supplier must provide sufficient certification indicating that battery packs have undergone and passed the testing (i.e. damp heat cycle, water immersion)
- d. Must have a minimum step clearance of 340mm.
- e. Electric buses must have a charging port compatible with European Charging Protocol or Combined Charging System 2 (CCS2).

<sup>&</sup>lt;sup>1</sup> Greater Manila Area includes NCR, Cavite, Laguna, Batangas, Rizal, Bulacan, and Pampanga (Source: PIDS, 2015)

<sup>&</sup>lt;sup>2</sup> LTFRB Memo Circular No. 2022-070, Maximum Number of Standing Passengers Inside Public Utility Buses (PUBS) and Modern Public Utility Jeepneys (MPUJS)

<sup>&</sup>lt;sup>3</sup> Nigel, "IP Ratings", Battery Design, April 19, 2023, IP Ratings - Battery Design

- f. Must be air-conditioned electric bus units.
- g. Must have a reverse camera, dash camera, four (4) closed-circuit television cameras (CCTV). The cameras must have resolution of at least 1080 dpi and total storage for all of the cameras must not be less than 1 terabyte or can retrieve video recordings of at least 3 previous days. In addition, rights to access and ownership of the recordings gathered from these devices shall be explicitly given to the Quezon City Government.
- h. Have designated emergency exit windows and equipped with an emergency exit tool composed of two (2) emergency hammers. The emergency exit windows must be properly labeled.
- i. Have at least one (1) fire extinguisher for each bus with the following specifications:
  - Dry Chemical (Mono-Ammonium Phosphate)
  - · For ABC Class of fire
  - Stored pressure type
  - Capacity in terms of mass extinguishing medium: 4.5 kg (10 lbs)
  - Purity of the chemical: 75% (minimum)
  - With pressure gauge control
  - Non-electrical conductor, non-toxic, non-corrosive
  - Labeling/marking: Shall follow PNS 12 Part 1 of 1989
  - Warranty: Three (3) years standard
  - With Philippine Standard Quality Mark or Import Commodity Clearance Sticker
  - j. Have a television/LCD monitor with universal serial bus (USB) port and speakers that can play videos provided by the City.
  - k. Must have LED board screens inside and outside the electric bus unit that can flash the route of the bus (see Annex G) and the bus stops of the route respectively.
  - 1. The body of the electric bus must be covered with paint job/decals (see Annex E for the template and specifications).
  - m. Have a "Priority Seat" sticker on the first row<sup>4</sup> of all bus units with front-face configuration and four (4) seats for parallel, face-to-face or mixed configuration which are to be seated first by senior citizens, PWDs, and pregnant women (see Annex B for the template and specifications). The sticker must be resistant to water, dirt and fading.
  - n. Posting of Helpline 122 (see Annex C for the template and specifications) which must be resistant to water, dirt and fading.
  - o. Posting of Body No. Sticker (see Annex D for the template and specifications) and must be resistant to water, dirt and fading.

<sup>&</sup>lt;sup>4</sup>DOTr Department Order No. 2014-013 - Policies on Transport Accessibility

#### VI. PRE-COMMISSIONING AND COMMISSIONING TESTS

The Supplier shall perform pre-commissioning and commissioning tests in the presence of authorized representatives from the Office of the City Administrator, Local Economic Investment Promotions Office, Traffic and Transport Management Department, and other departments/offices deemed needed for the activity.

#### 1. Pre-Commissioning Activities

- The Supplier shall conduct electronics functionality testing of headlights, signal lights, reverse lights, brake lights, horns, wiper, aircon, USB power, CCTV, monitor and LED signages and other electrical equipment included in the vehicle(s);
- The Supplier shall conduct vehicle performance testing of brakes, forward and reverse direction and 5 km road testing and other technical and mechanical performance tests for the vehicle(s).

#### 2. Commissioning Activities

- The Supplier shall conduct electronics functionality testing of headlights, signal lights, reverse lights, brake lights, horns, wiper, aircon, USB power, CCTV, monitor and LED signages and other electrical equipment included in the vehicle(s);
- The Supplier shall conduct vehicle performance testing of brakes, forward
  and reverse direction and 10 km road testing within any of the QCity Bus
  Routes and other technical and mechanical performance tests for the
  vehicle(s).

All costs incurred upon conduct of pre-commissioning and commissioning activities, including but not limited to transportation and incidental, must be shouldered by the Supplier. In addition, all deficiencies encountered during pre-commissioning and commissioning tests must be rectified and subjected for re-testing. Expenses and incidental costs for re-testing shall be shouldered by the Supplier with no additional cost.

## VII. TRAINING

The Supplier is responsible for transferring the knowledge via capacity building training to the City designated personnel on the proper operation and maintenance of the electric bus units.

#### 1. Scope of the Training

 The Supplier shall conduct necessary knowledge transfer and capacity building training, through theoretical and practical, to the designated personnel(s) of the City which includes proper operation and maintenance of



the vehicle, and troubleshooting (mechanical and electrical) for the electric bus units.

- In addition, the training(s) will include topics such as but not limited to the ones listed below:
  - Learn the safe operation of EVs
  - Acquire knowledge of the high-voltage systems used in EVs
  - Work safely using suitable personal protective equipment
  - o Use of appropriate tools and equipment
  - o Carry out repairs to hybrid/electric vehicles
  - Record information correctly
  - o Work safely on electric/hybrid vehicles
  - Make a vehicle safe, disconnect and reconnect HV battery
  - o Carry out repairs using correct tools
  - Obtain correct information to carry out the task

#### 2. Duration of the Training

- The initial training of the personnel(s) shall commence within one hundred forty (140) calendar days upon the issuance of Notice to Proceed or upon completion of Pre-Commissioning Tests of Electric City Buses and shall cover the theoretical and practical aspects, to wit:
  - Theoretical training shall be completed within five (5) days with two
     (2) hour duration per day.
  - Practical training shall be completed within five (5) days with two (2) hour duration per day.
- The manpower for the deployment of drivers, conductors and mechanics will be determined from existing personnel with plantilla positions from the City General Services Department and Traffic and Transport Management Department which shall be determined before the training.
- The training shall be held within the Quezon City Hall Compound as may be determined by the Quezon City Government.
- The Supplier shall provide a quarterly refresher training(s) (mechanical and electrical) and shall continuously monitor and train the designated personnel(s) for a period of one (1) year.
- The Supplier shall provide documentation(s) of the training(s) as part of the project milestones such as but not limited to certifications to the personnel(s) of the City involved, training modules, training manuals and others.

#### VIII. AFTER SALES SUPPORT

1. Warranty

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- The Supplier shall provide notarized certification for comprehensive warranty for all the Electric City Buses. A minimum coverage of one (1) year or 150,000kms whichever comes first for bus unit parts (see Annex B for Bus Unit Parts Warranty List), at least four (4) years for the motor or 250,000kms and at least four (4) years for the battery or 250,000kms, or the standard warranty provided by the manufacturer, whichever comes first.
- The supplier shall provide a one time replacement of basic consumable spare parts (i.e. bearing, coolant, etc.) deemed replaceable due to normal wear and tear within the first year of 150,000km, whichever comes first, free of charge to the City.
- The Supplier shall provide notarized certificate of undertaking specifically on the availability of the spare parts for at least 3 years upon delivery of the electric bus units.

## 2. Monitoring and Maintenance

- The Supplier shall provide a Single Point of Contact (SPoC) for after sales issues and concerns:
- The Supplier shall provide a schedule of maintenance three (3) times within the year (5,000km, 10,000km and 20,000km) of the vehicle which must include preventive and corrective maintenance on the bus;
- For a period of one (1) year upon turn-over of the electric city buses, issues
  concerning the electric city buses, the Supplier shall provide free
  consultations and inputs to be undertaken on site of the depot location to be
  determined by the City. In addition, the Supplier shall provide free
  consultations on maintenance and repair problems as well as providing
  manpower for roadside assistance/maintenance.

#### IX. PROJECT DURATION

The delivery of items A to G as stated in the Scope of Work in this TOR shall be within a period of six (6) months upon issuance of Notice to Proceed while Items H and I shall be provided by the Supplier for one (1) year after the units have been officially turned over to the City Government. (see Provision IV. Scope of Work, Column 3 - Delivery Schedule).

## X. APPROVED BUDGET FOR THE CONTRACT AND COST DERIVATION

The sum of One Hundred Fifty One Million Four Hundred Thousand Pesos only (Php 151,400,000.00) is the Approved Budget for the Contract for the above-mentioned project.

It shall cover the following expenditures including all duties, excise and other taxes and revenue charges:

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	Item Description	Qty	Unit Price	Total
I.	Electric Bus	8	18,925,000.00	151,400,000.00
			TOTAL	151,400,000.00

## XI. BASIS OF PAYMENT

The Supplier shall be paid based on the following milestones as reflected in detail on Section IV. Scope of Work:

Tranches	Description / Deliverables	
Hancies	Description/ Denverables	
15%	Submission of Certificate of Accreditation from Department of Energy upon	
	issuance of Notice to Proceed.	
25%	Supply and Production of Eight (8) Units Electric City Buses; The Supplier shall submit the following documents/deliverables:	
	a. Seat configuration plan of the bus ensuring compliance with the	
	project standards and requirements (See Annex F);	
	b. Notarized Certification of Product Registration from the country of	
	origin;	
	c. Manufacturer's certification stating the bus units' motor number and chassis number;	
	d. Factory test results of the battery of the electric bus	
10%	Pre-Commissioning Tests of Electric City Buses; The Supplier shall submit the following documents/deliverables:	
	a. Post activity documentation of the Pre-Commissioning Tests	
	b. Certificate of completion after the successful pre-commissioning	
	activities	
	Initial Training and Technology Transfer; The Supplier shall submit the	
	following Training Reports such as but not limited to:	
	a. Accomplishment Reports	
	b. Training Modules/Manuals	
	c. Certificates of Completion	
30%	Delivery and Registration of Eight (8) Units Electric City Buses; The	
	Supplier shall turn-over to the Quezon City Government, through the Office	
	of the City Administrator, the original Official Receipt and Certificate of	
	Registration of the electric city buses under the name of the Quezon City	
100/	Government  Commission Tests The Commission shall submit the following	
19%	Commissioning Tests; The Supplier shall submit the following documents/deliverables:	
1	a. Post activity documentation of the Commissioning Tests	
	b. Certificate of completion after the successful commissioning	
	activities	
	Turn-over of relevant documents:	



	a. Schedule of Maintenance for a period of one (1) year upon turn-over of the Electric Bus	
	<ul><li>b. Warranty Certificates and list of Full Warranty Coverage</li><li>c. List of Consumables included on their Maintenance Coverage for</li></ul>	
	one (1) year upon turn-over of the electric city buses	
1%	Supplementary/Refresher Training and Technology Transfer; The Supplier shall submit the following Training Reports such as but not limited to:  a. Accomplishment Reports b. Training Modules/Manuals c. Certificates of Completion	
	Maintenance of Electric City Buses for a period of one (1) year; The Supplier shall submit maintenance accomplishment reports based on the schedule of maintenance provided.	
100%		

#### XII. PENALTIES FOR BREACH OF CONTRACT

Failure to deliver the services and shall subject the Supplier to penalties and/or liquidated damages pursuant to RA 9184 AN ACT PROVIDING FOR THE MODERNIZATION, STANDARDIZATION AND REGULATION OF THE PROCUREMENT ACTIVITIES OF THE GOVERNMENT AND FOR OTHER PURPOSES and its revised Implementing Rules and Regulations.

#### XIII. CANCELLATION OR TERMINATION OF CONTRACT

Should there be any dispute, controversy or difference between the parties arising out of this TOR, the parties herein shall exert efforts to amicably settle such dispute or difference. However, if any dispute, controversy or difference cannot be resolved by them amicably to the mutual satisfaction of the parties, then the matter may be submitted for arbitration in accordance with existing laws, without prejudice for the aggrieved party to seek redress before a court of competent jurisdiction.

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 negotiated procurement pursuant to section 53(d) of RA 9184 and its IRR.

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Office of the City Administrator

## ANNEX A - Bus Unit Parts Warranty List

- 1. Electric air compressor
- 2. Air bag
- 3. Aircon compressor assy
- 4. Aircon compressor assy
- 5. Balljoint, draglink
- 6. Balljoint, tie-rod
- 7. Brake chamber
- 8. Condenser fan assy, aircon
- 9. Controllers
- 10. Cooling radiator electric fan
- 11. Cooling water pump
- 12. Crossjoint, propeller
- 13. Differential carrier assy
- 14. Door pump assy
- 15. Electric steering pump
- 16. Evaporator blower assy, Aircon

- 17. Four-way valve
- 18. Four-way valve
- 19. Front and Rear Axle
- 20. Head lights
- 21. Hub oil seal, front
- 22. Hub oil seal, rear
- 23. Inner wheel bearing
- 24. Instrument panel
- 25. King pin
- 26. Maxi brake handle valve
- 27. Oil seal, axle shaft
- 28. Outer wheel bearing
- 29. Propeller shaft
- 30. Quick release valve
- 31. Radiator assy
- 32. Rear View Mirror

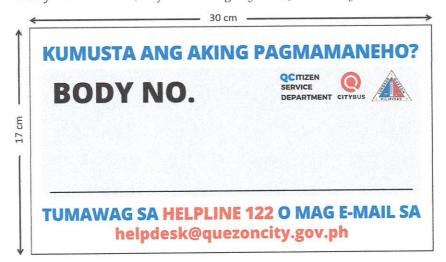
ANNEX B - Priority Seat Sticker (subject to change by the Quezon City Government)



ANNEX C - Helpline 122 Sticker (subject to change by the Quezon City Government)



ANNEX D - Body No. Sticker (subject to change by the Quezon City Government)





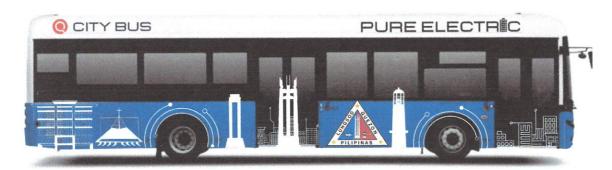
# **ANNEX E - Bus Wrap** (subject to change by the Quezon City Government)



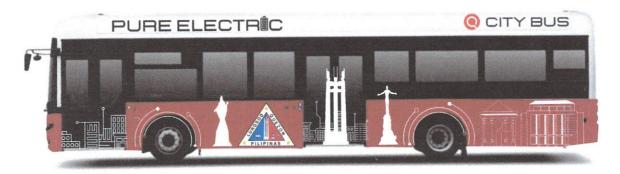


**Front Part** 

**Rear Part** 



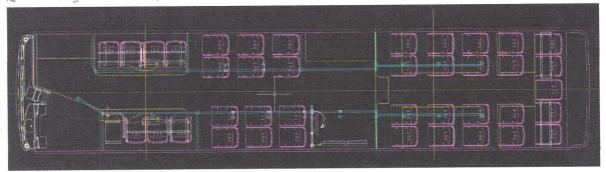
**Right Part** 



**Left Part** 



ANNEX F - Interior Bus Design / Seat Configuration Design (subject to change by the Quezon City Government)



ANNEX G - Front LED Sign Board (subject to change by the Quezon City Government)

