



REQUEST FOR QUOTATION  
NEGOTIATED PROCUREMENT  
(SECTION 53.9)

DATE : **November 21, 2023**

PROJ. NO. : **QCGH-23-GRMS-1642B**

Name of Company : \_\_\_\_\_  
Address : \_\_\_\_\_  
Contact No. : \_\_\_\_\_  
Project Title : **REPAIR OF CONTROL SYSTEM**  
Approved Budget of the Contract : **Php 430,225.00**  
End-User / Implementing Office : **QUEZON CITY GENERAL HOSPITAL**

Please quote your best offer for the item/s described below, subject to the Terms and Conditions provided. Submit your quotation duly signed by you or your duly authorized representative not later than **November 24, 2023, 10:00 AM** Philippine Standard Time, together with the following documents of your company:

- 1 PhilGEPS certificate (not expired on the time of opening of quotations);
- 2 Business Registration (DTI/SEC)
- 3 Mayor's/Business Permit (2023);
- 4 Tax Clearance; and
- 5 Omnibus Sworn Statement prescribed by the **QC BAC- Goods and Services**
- 6 Income/Business Tax Return (for FY 2022) (For ABCs above P500,000.00)
- 7 If applicable, the JVA in case the joint venture is already in existence, or duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

In a **SEALED LONG BROWN ENVELOPE** issued by QC BAC- Goods and Services.

**ATTY. DOMINIC B. GARCIA**  
Officer-In-Charge/Head, BAC Secretariat

TERMS AND CONDITIONS

- 1. Bidders shall **provide correct and accurate** information required in this form.
- 2. Price quotation/s must be valid for a period of thirty (30) calendar days from the date of submission.
- 3. Price quotation/s, to be denominated in Philippine Peso shall include all taxes, duties and/or levies payable.
- 4. Quotation **exceeding** the Approved Budget for the Contract (ABC) shall be **rejected**.
- 5. Award of contract shall be made to the lowest quotation (for goods) or the highest rated offer (for consulting services) which complies with the minimum technical specifications and other terms and conditions stated herein.
- 6. Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by you or any of your duly authorized representative/s.
- 7. The City General Services Department (CGSD) shall have the right to inspect the goods.
- 8. Non-submission of eligibility documents shall mean disqualification of Quotation.
- 9. Liquidated damages equivalent to one tenth (1/10) of one percent (1%) of the value of the goods not delivered within the prescribed delivery period shall be imposed per day of delay. CGSD shall rescind the contract once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, without prejudice to other courses of action and remedies open to it.
- 10. Failure to follow these instructions will disqualify your entire quotation.

After having carefully read and accepted the Terms and Conditions, I/We submit our quotation/s as follows:

ITEM NO.	ITEM & DESCRIPTION	UNIT OF ISSUE	QTY.	UNIT PRICE	ITEM TOTAL
1	<p><b>Complete Supply of Labor and Materials for VARIABLE FREQUENCY DRIVE, 11KW, 230V, 3 PHASE CONTROL PANEL</b></p> <p>Variable Frequency Drive, 11kW, 230V, 3phase Heavy Duty Overload Capacity At 150% of the rated output current, continuous operation lasts up to 1min. in every 5min..At 180% of the rated output current, continuous operation lasts up to 3 secs. in every 30 secs. Super Heavy Duty Overload Capacity At 150% of the rated output current, continuous operation lasts up to 1min. in every 5 mins. At 200% of the rated output current, continuous operation lasts up to 3 secs. in every 30 secs. Rated Input Voltage 3Ø, 200~240 VAC (-15%~+10%) Rated Input Frequency 50/60Hz Permissible Power Frequency Variation ±5% (47~63Hz) Power Factor (cosφ) &gt; 0.98 Communication RS485 Modbus and other network protocols Features With Built-in PLC Function capability Front Panel LCD Supports PID Control Efficiency 97.8% (Frames A, B, C, D); 98.2% (Frames E, F)</p> <p>Cooling Method Forced air-cooling (The model 007 is for natural cooling) Braking Chopper Built-in for frames A, B, C; optional for frames D, E, F DC Reactor Optional for frames A, B, C; built-in for frames D, E, F EMC Filter Optional for all frames EMC-COP01 Optional for all frames</p> <p>Frequency Output Accuracy Digital command: ±0.01% of the maximum output frequency (Pr. 01-00), -10°C~+40°C; Analog command: ±0.1% of the maximum output frequency (Pr.01-00), 25±10°C</p> <p>Frequency Setting Resolution Digital command: 0.01 Hz Analog command: 0.05% x max. output frequency (Pr.01-00), 11 bit plus sign</p> <p>Speed Control Range (Ration of Speed Control) IMVF, IMV PG, IMSVC 1:50 IMFOC Sensorless 1:100 IMFOC PG 1:1000 PMSVC 1:20 PM Sensorless 1:50 IPM Sensorless 1:100 PMFOC PG 1:1000 Starting Torque IMVF, IMV PG, IMSVC 150% / 3 Hz</p>	Lot	1		

	IMFOC Sensorless 200% / 0.5 Hz IMFOC PG 200% / 0 Hz PMSVC 100% / (motor rated frequency / 20) PM Sensorless 100% / (motor rated frequency / 50) IPM Sensorless 100% / 0 Hz λ PMFOC PG 200% / 0 Hz  Torque Limit Heavy duty 180%, super heavy duty 220% of torque current Under field-oriented control (FOC), you can set up separately in quadrant via parameters.  Output Over-current Over-current protection for 240% of rated current (Heavy Duty)				
2	<b>Human Machine Interface</b> 7" TFT LCD Display 65,536 Color 800 x 600 Resolution 450 cd/m2 Back Light Brightness 20000 Back Light Life (Hour) 141 x 105.75 mm Display Area ARM Cortex-A8 (800MHz) MCU 256 Mbytes Flash ROM 256 Mbytes RAM Four-wire resistor, over > 10,000,000 pressing times Touch Panel Multi-Tone Frequency (2k~4k Hz) / 80dB Buzzer Stereo output AUX 1 Port, 10/100 Mbps auto-sensing Ethernet Interface 1 USB Slave Ver 2.0; 1 USB Host Ver 2.0 SD x 1 SD Card Slot Three COM Ports (2 x RS-232/1 x RS485) supports hardware flow control Built-in RTC Natural air circulation Cooling CE / UL Certification IP65 / NEMA4 / UL Type 4X Rating DC +24V (-15%+15%)(please equip isolated-type power supplies) Supplied by Class 2 or SELV circuit (isolated from MAINS by double insulation) Operating Voltage A500V for 1 minute (between charging DC24 terminal and FG terminals) Voltage Endurance Max. 8.4 W Power consumption 3V lithium battery CR2032 x 1 Back up Battery Battery Life about 3 years or more at 25°C 0~50 degree Celsius Operating Temperature -20 to 60 deg Celsius Storage Temperature 10%~90% RH (0~40°C), 10%~55% RH (41~50°C), Pollution Degreee 2 Ambient Humidity IEC 61131-2 compliant 5Hz~8.3Hz = Continuous: 3.5mm, 8.3Hz~150Hz=Continuous: 1.0g Vibration IEC60068-2-27 compliant 15g peak for 11ms duration, X, Y, Z, directions for 6 times Vibration Rating	Lot	1		
3	Pressure Transducer, 0 to 200psi, 1/4"NPT Power Supply: 10 to 32 VDC Output: 4 to 20mA Pressure type: Gauge pressure, adiabatic pressure and sealed pressure Compensation temperature: -10°C to 70°C Working temperature: -20°C to 85°C Medium temperature: -20°C to 85°C Zero-point temperature drift: ±0.3%FS/10°C Sensitivity temperature drift: ±0.3%FS/10°C Overload pressure: (0.035 to 10)MPa (150%FS) (10 to 60)Mpa (125%FS) Long-term stability: ±0.2%FS/year Response time: Current and Voltage output ≤ 10ms up to 90%FS Insulation: 20MΩ/250VDC Ingress protection: IP65 Load Resistance: (U-9V)/0.02A	Pc	1		
4	Sampling tube fittings, 1/4"	set	1		
5	Molded case circuit breaker, 75A, 3P	pcs	2		
6	Miniature circuit breaker, 20A, 2P	pc	1		

7	Miniature circuit breaker, 1P, 15A	pcs	3		
8	Auxiliary relay, 220V, 4P with base	pcs	2		
9	Noise filter	pc	1		
10	Power terminal block, 100A	pcs	3		
11	Standard terminal block, 6mm	pcs	20		
12	Illuminated push button, green, 10mm, 220V	pcs	2		
13	Illuminated push button, red, 10mm, 220V	pcs	2		
14	Indicator lamp, yellow, 220V	pcs	2		
15	Indicator lamp, white, 220V	pcs	2		
16	Selector switch, 22mm, 3-position	pcs	2		
17	Timer relay, 220V	pc	1		
18	Alternating relay, 220V	pc	1		
19	Enclosure panel, 800mmL x 300mmW x 1400mmH powder coated finish	pc	1		
20	Power cable, THW, AWG#4	meters	20		
21	Power cable, THW, AWG#2	meters	8		
22	Control wire, TF, 1.0mm2	roll	1		
23	Wire lugs, compression type, 1-hole, #6	pcs	24		
24	Wire lugs, compression type, 1-hole, #2	pcs	9		
25	Din rail, 35mm	pc	1		
26	Wire duct	pc	1		
27	Screws	lot	1		
28	Labels	lot	1		
29	Design, installation, programming, configuration, testing and commissioning	lot	1		
30	11kW Centrifugal Pump Complete rewinding of stator coil varnishing and baking	lot	1		
			Total Quoted Amount		

Amount in Words : \_\_\_\_\_

\_\_\_\_\_

OTHER REQUIREMENTS:

➤ Statement of Warranty: Minimum of Six (6) Months

Delivery Period : **Fifteen (15) Calendar Days**

Warranty : \_\_\_\_\_

\_\_\_\_\_  
Signature over printed name

\_\_\_\_\_  
Office Telephone No./Fax/Mobile No.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Email Address