



Republika ng Pilipinas  
Lungsod Quezon  
**PANGKALAHATANG PAGAMUTAN NG LUNGSOD QUEZON**  
(Quezon City General Hospital)  
Seminary Road, EDSA, Quezon City  
Tel. No. (02) 8863-0800  
*PhilHealth Accredited Healthcare Provider*



### **TERMS OF CONDITIONS (MEDICAL GASSES)**

1. Liquid Gas may be convertible to cylinder and vice versa.
2. The supplier and manufacturer must provide training every six months on safe and proper handling of gases/product knowledge on gases/Vacuum Insulated Evaporator (VIE). Basic Technical Operation, Maintenance, Safety procedures and trouble shooting. Providing Process/safety checklist.
3. Suppliers and Manufacturers should have exclusive medical hub facility dedicated only to producing medical gases.
4. The Supplier and manufacturer products should be conformance with the non-halogenated polymer.
5. The supplier and manufacturer should provide safety data sheet
6. With Remoted Telemetry Unit (RTU) data must be accessible to End-User via website and android mobile phone.
7. 100 cylinders of medical gasses will use for back-up for 2 months.
8. The supplier must conduct inventory of medical cylinders at least every six months with a representative from hospital Property and Supply Section, Accounting Department and End-User.
9. Schedule of Delivery: Monday to Saturday except Sunday and Holiday between 8:00am to 4:00 pm or as requested.
10. Terms of Payment: The city shall pay the supplier on a monthly basis with delivery receipt and invoice attached to support the actual volume of Medical Gases and delivered for the month.
11. The winning bidder shall install the Vacuum Insulated Evaporator (VIE) Installation of Vacuum Insulated Evaporator (VIE), Vaporizer DPRS, Alarm Panel and Telemetry:
  - a. Preparation of materials, tools and equipment
  - b. Degreasing and proper cleaning of deoxidized hard seamless copper tubes, fittings, valves and other parts prior to installation.
  - c. Supply, fabrication and installation of necessary brackets and clamps to comply with standards for medical gas pipeline installation.
  - d. Supply, layout and installation of deoxidized hard seamless copper tubes, and fittings for medicals pipeline (Pipeline routing shall be exposed type)
  - e. Supply of labor, materials and equipment needed for the construction for new VIE foundation pad and enclosure including well-designed and fabrication safety signages.
  - f. Supply of labor and equipment for the installation of one (1) unit 10,000 liters VIE.

- g. Supply of labor and materials for the installation interconnecting medical oxygen pipeline for DPRS to Hospital main line located at the Oxygen manifold.
  - h. Supply of labor and materials for the installation alarm signal line
  - i. Supply and installation of Master Alarm Panel
  - j. Supply and Installation of Dual Pressure Regulating System (DPRS)
  - k. Supply and Installation of Electrical Control Panel
  - l. Supply and Installation of Telemetry System
  - m. Pressure drop, leak testing, test run and commissioning of the newly installed medical gas pipeline system
    - i. Vacuum insulated Evaporator – VIE specs: 10,000 liters VIE
    - ii. Vaporizer Spec Flowrate: 200 m3/hr. at 24hours continuous duty
    - iii. Interconnecting line from VIE to Vaporizer to DPRS
    - iv. Dual Pressure Relating System-DPRS
    - v. Labor cost (Labor, QA Testing and mobilization/demobilization)
  - n. Installation of VIE should be finished during the first four months of contract.
  - o. Terms of Warranty
    - i. 3 years warranty
    - ii. The supplier warranty covers all of products, equipment and components that are supplied in this project to be free of defects in materials and workmanship for a period of 3 years form date of final acceptance of QA report
12. Supplier warranty obligation includes supplying/replacing non-consumable parts that failed or are determined to be defective by both parties during the warranty period. This also parts such as gaskets, filters, oil, all fuses, light bulbs seals, nuts bolts, includes consumable washers, etc. A list of consumable and non-consumable parts must be provided.
13. In the event that there is existing substantial evidence to prove that the End-Uses through its authorized employees are guilty of gross negligence in terms of proper handling and management of the lox system, the Service Provider may opt to disregard the warranty obligation mentioned in the preceding paragraph.
14. Warranty starts on the day of the commissioning of each equipment.
15. The ordering points should be at 25% tank level with delivery within 24hrs upon request excluding Sundays and Holidays.
16. The Supplier shall execute all necessary testing and commissioning activities on the installed system. The supplier shall hand over the system to the End-User fully operational.
17. The supplier must conduct End-Users training on proper maintenance and safety procedures for three (3) maintenance staff and one (1) nurse supervisor without any expenses from the End-User. This training shall be done every six months. The training program and training schedule must be submitted and executed.
18. The supplier should provide checklist on precaution for handling and storage.
19. The supplier should provide guidelines for handling and use.
20. Submit a scheduled and perform preventive maintenance. A preventive maintenance report shall be submitted after every maintenance procedure.


21. Assign and submit qualifications of a dedicated technician/Engineer for the hospital subject to approval of the Head of Engineering.

Prepared by:



**ENGR. RICHARD R. CRUZ**  
OIC- Engineering Services

Noted by:



**JOSEPHINE B. SABANDO, MD, RN, FPBA, MHA**  
Medical Center Chief II