



Republic of the Philippines
Center for Health Development No.2
REGION II TRAUMA & MEDICAL HOSPITAL
Bayombong, Nueva Vizcaya

SCOPE OF WORKS / TECHNICAL SPECIFICATIONS

Project Title	Supply, Delivery, Installation, Testing and Commissioning of Feeder Line for the New CT-Scan at Radiology Department
Location	Magsaysay, Bayombong, Nueva Vizcaya
Source of Fund	Hospital Income
Appropriation	Php 2,774,201.37
Proposed Budget for the Contract	Php 2,774,201.37
Project Duration	45.00 Calendar Days
Mode of Implementation	By Contract
Project Description	Supply, Delivery, Installation, Testing and Commissioning of Feeder Line for the New CT-Scan at Radiology Department which includes General Requirements and Electrical Works such as Installation of Protections and Supports including Grounding System

Scope of Work / Technical Specifications

Item	Description of Work	Qty	Unit	Specification
I	GENERAL REQUIREMENTS			
	(a). Mobilization/Demobilization, Temporary Facilities, Water and Electric Consumption, Permits/Licenses/Clearances (Building Permit)	1.00	lot	<ul style="list-style-type: none">Mobilization/demobilization of equipment, material, manpower and temporary facilities to the site including clearing of all waste or debris generated during the entire construction duration.Construction of Site Office and other temporary facilities.The winning bidder shall secure all necessary permits, licenses and clearances needed from Local Offices before executing the construction.The construction shall conform to all the requirements of the Philippine Electrical Code, as well as the local rules and regulations of the Local Electric Cooperative
	(b). Health and Safety Program	1.00	lot	<ul style="list-style-type: none">The contractor shall, at his own expense, furnish his workers with protective equipment for eyes, face, hands and feet, protective shields and barriers whenever necessary by reason of the hazardous work process or environment, chemical or radiological or other mechanical irritants or hazards capable of causing injury or impairment in the function of any part of the body through absorption, inhalation or physical agent.All Personal Protective Equipment and Devices shall be in accordance with the requirement of the Occupational Safety and Health Standards (OSHS) and should pass the test conducted and/or standards sets by the Occupational Safety and Health Center (OSHC).
	(c). Project Billboard	64.00	sq. ft.	<ul style="list-style-type: none">Billboard shall be installed prior to all items programmed in the project.Contents of billboard shall be as indicated under COA Circular No. 2013-004Billboard shall be installed in a safe & visible location near or within the starting point of the project or as directed by the R2TMC Engineer-in-charge of the project.
II	ELECTRICAL WORKS			
	(a). Installation of Protections	1.00	lot	<ul style="list-style-type: none">Installation of 1 set automatic transfer switch at the power house, location of which shall be specified on site by the Engineers of the Engineering and Facilities Management Office of R2TMCThe normal power side of the ATS shall be connected to the 3-167kva transformers supplying the Trauma Building and the emergency power side shall be tapped at the load side of the synchronizing panel located at the power houseA copy of brochure must be presented to the EFMO for approval and prior to the procurement of the ATSInstallation of 1 set 500AT Circuit Breaker with NEMA 3 Enclosure Surface Mounted location of which should be specified on site by the Engineers of the Engineering and Facilities Management OfficeThe enclosure must be surface mountedA copy of brochure must be presented to the EFMO for approval and prior to the procurement of the circuit breaker and enclosureInstallation of 1 set 450AT Circuit Breaker with NEMA 3 Enclosure Surface Mounted location of which shall be specified on site by the Engineers of the Engineering and Facilities Management OfficeThe enclosure must be surface mountedA copy of brochure must be presented to the EFMO for approval and prior to the procurement of the circuit breaker and enclosure
	(b). Installation of Feeder Lines and Supports including Grounding System	1.00	lot	<ul style="list-style-type: none">Installation of spool insulators and accessories to the existing electrical poles from Radiology Building, to the Supply Building and to the Power House.Installation of uPVC raceways from the 450AT panel board to the service entrance cap of the Radiology Building, the uPVC Raceway from the entrance cap to the 500AT panel board at the Power House, the raceway from the 500AT panel board to the ATS, the raceway from the ATS to the synchronizing panel and the raceway from the ATS to the 3-167KVA transformersInstallation of the 2 runs of 3-125mm² THHN Copper wire from the 450AT circuit breaker of the Radiology Building to the 500AT circuit breaker of the power house, the ATS, synchronizing panel and the transformers.Connection of wires to all circuit breakers, ATS, synchronizing panel and transformers, use terminal lugs if necessaryInstallation of ground rods, grounding conductor from the ground rods to the 450AT panel board of the radiology Building transformers.Resistance of the grounding system should be measured using a Megger. The maximum resistance should be 2 ohms. Testing should be done with the presence of the Engineers of EFMO.Setting the time of transfer for the ATS to transfer for the normal power to the emergency power and emergency power to the normal powerConduct actual demonstration on the operation of the ATS to the personnel of EFMO, including troubleshooting including setting of over voltage and over voltage relays.
	GENERAL NOTE:			<ul style="list-style-type: none">Any discrepancies within the specifications, the actual site condition, and the actual construction shall be conferred with the R2TMC Engineer and no execution of works shall

be done without their consent and final approval.

- All materials and workmanship shall conform to the latest applicable standards of specifications. All works shall conform to the best practice prevailing in the various trades.
- All constructions and workmanship shall be subjected to inspection, examination and testing by the R2TMC Engineer-in-Charge of the project. The R2TMC Engineer-in-Charge of the project shall have the right to reject defective materials and workmanship due to non-compliance to this specification and shall require them for correction.
- All items not specifically mentioned in the specifications or noted on the drawings but which are obviously necessary to make a complete working installation shall be included.

Submitted by:

Name of the Representative of the Bidder: _____

Position: _____

Signature of the Bidder: _____

Date: _____