



SCOPE OF WORKS / TECHNICAL SPECIFICATIONS

Project Title	RE-BIDDING FOR THE RENOVATION OF OUT PATIENT DEPARTMENT (OPD) RADIOLOGY ROOM
Location	Region II Trauma and Medical Center
Source of Fund	Hospital Income
Appropriation	PHP 2,241,787.60
Proposed Budget for the Contract	PHP 2,241,787.60
Project Duration	45.00 Calendar Days
Project Type	
Mode of Implementation	By Contract
Project Description	Proposed Renovation of OPD Radiology. following scope of work: General Requirements, Demolition and Restoration Works, Concrete Works, Masonry Works and Cable Runway, Fenestration works, Painting Works, Electrical Works

Scope of Work

Item	Description of Work	Qty	Unit	Specification
I	GENERAL REQUIREMENTS <ul style="list-style-type: none"> Mobilization/Demobilization Temporary/Facilities, Water and Electric Consumption, Safety and Health Program, Permits/Licenses Project Billboard Furnishing of Materials, Labor, and Equipment 	lot	1.00	<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. Observe the use of good source of potable water, and source of electricity for the entire duration of the project. The contractor shall, at his own expense, furnish his workers with protective equipment for eyes, face, hands and feet, lifeline, safety belt/harness, protective shields and barriers whenever necessary by reason of the hazardous work process or environment, chemical or radiological or other mechanical irritants of 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). The construction shall conform to all the requirements of the National Building Code, as well as the local rules and regulations of the Municipality of Bayombong, Nueva Vizcaya. The contractor shall prepare and furnish all documents and other requirements in the application of building permit, permit to construct, soil boring test, and other permit and licenses needed. Signed and sealed by the required professional needed. (if applicable) Billboard shall be installed prior to all items programmed in the project. Contents of billboard shall be as indicated under COA Circular No. 2013-004 Billboard 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	DEMOLITION AND RESTORATION <ul style="list-style-type: none"> Demolition of Masonry wall, Counter top, sink, Floor and Excavation Dismantling of Existing Doors and Windows Relocation of 4 doors Restoration of tiles Furnishing of Materials, Labor and Equipment. 	lot	lot	<ul style="list-style-type: none"> All materials that will be retrieved in the demolition of masonry wall such as RSB and the like will be surrendered to the R2TMC Engineering and Facilities Management Office. All doors and windows that will be dismantled will be surrendered to the R2TMC Engineering and Facilities Management Office unless it will be reuse or relocated as indicated in the plan. All existing Doors and Door Jamb must be detached in a earnest manner to avoid wrecking/breaking that will be relocate and reuse as indicated in the plan or as directed by the VRH engineer-in-charge of the project. Color and pattern of tiles shall be specified in the drawings or as approved by the R2TMC Engineer-in-charge of the Project. The Contractor will provide a temporary barriers for the demolition works
III	CONCRETE WORKS AND MASONRY WORKS <ul style="list-style-type: none"> Furnishing of Materials, Labor and Equipment. Provision of coarse aggregates and mixture of concrete. Provision of 125mm CHB 	lot	1.00	<ul style="list-style-type: none"> All concrete hollow blocks shall be mechanically made. All concrete hollow block walls shall be laid, and the cells filled with cement mortar consisting of 1 part Portland cement and 3 parts of sand by volume (1:3 mixture). 40kgs/bag Portland cement shall be used for masonry mortar All steel reinforcing bars to be used for masonry works shall be round deformed bars, grade 33, with a maximum spacing of 0.60m on center both ways unless otherwise specified in the plan or as directed by the Engineer-in-charge of the Project. Fine and coarse aggregates shall pass 3/8" and 2" sieve respectively using grading "A". All cement plaster mixture for concrete hollow block wall finishes indicated in the drawings shall be 1 part cement, and 2 parts screened sand by volumetric method (1:2 mixture). Cement Plaster must have a minimum thickness of 16mm and 25mm for the Lead sheet plastering or otherwise as directed by the Engineer-in-charge of the project. Fine aggregates shall be clean, washed sharp river sand and free from dirt, clay, organic matter or other deleterious substances. Plastering works includes the Lead sheet plastering 2mm Steel matting is required to place in the lead sheet before plastering
IV	FENESTRATION WORKS <ul style="list-style-type: none"> Furnishing of Materials and Labor 	13.59	sq.m.	<ul style="list-style-type: none"> Lumber of doors, jambs and panels when required, shall be well-seasoned or All doors and window frames shall be in place and rigidly anchored. All window frames must be made of powder coated aluminum frame with 6mm thick glass or otherwise specified in the plan and approved by the R2TMC Engineer. All hardwares and accessories must be heavy duty type. Doors and Windows type, sizes, and designs shall conform with the details indicated in the plan/drawing or otherwise as directed by the R2TMC Engineer-in-charge of the project.
V	LEAD SHEET WORKS <ul style="list-style-type: none"> Furnishing of Materials and Labor 	33.75	lm	<ul style="list-style-type: none"> Use 2mm thk lead sheet Lead sheet must be approved by the end-users or R2TMC Engineers before installation Contractor shall ensure lead shield door with adequate minimum opening. If opening does not meet minimum requirement, a new door system shall be designed and constructed within this scope of work. After completing the shielding of the rooms, examine the room for radiation leakage. Ensure that result comply with safety standards levels. Specialized institutes and companies, licensed by government perform this inspection procedures and compliance certificate. Ensure that result comply with safety standards levels. Specialized institutes and companies, licensed by government perform this inspection procedures and compliance certificate

VI	PAINTING WORKS <ul style="list-style-type: none"> • Furnishing of Materials and Labor 	345.89	sq.m.	<ul style="list-style-type: none"> • Lead sheet works includes the shielding of doors • Lead Sheet installer should have a experience in installation of lead sheet • Surfaces must be clean and free from dirt, oil, grease, dust and any other impurities that will affect the quality of the paint. • Concrete neutralizer shall be first grade quality concentrate diluted with clean water and applied as surface conditioner of new interior and exterior walls thus improving paint adhesion and durability. • All paints must be of premium quality. • All exterior concrete surfaces must be finished with acrylic elastomeric paint, and paint, and all interior concrete surfaces must be anti-bacterial and odorless & stain resistant paint. • All concrete/masonry surfaces must apply one 1st coat of concrete primer and sealer, use elastomeric putty for exterior and latex putty for interior (full putty), apply another coat of concrete primer and sealer for second coat, and two (2) coats of acrylic elastomeric paint for exterior and acrylic antibac, odorless, and stain resistant for interior for top coat. • Ceiling surfaces must apply interior acrylic concrete primer and sealer, latex putty (alkyd-type product) for filling minor surface unevenness, and two (2) coats of Water based Antibac, Odorless, and Stain Resistant Paint Midsheen Finish Use the same brand of paint from start to finish to attain good paint body. • Color and pattern shall be specified in the drawings or as approved by the R2TMC Engineer-in-charge of the Project.
VII	ELECTRICAL WORKS <ul style="list-style-type: none"> • PROTECTION • WIRES • LIGHTING FIXTURES • Switches, Switch Plate and Convenience Outlets • RACEWAY • OTHER MATERIALS 	1.00	lot	<ul style="list-style-type: none"> • All works shall be done under the direct supervision of an Electrical Engineer and in strict accordance with these specifications and of the methods as prescribed by the latest edition of the Philippine Electrical Code. • All materials shall be brand new and shall be of the approved type meeting all the requirements of the Philippine Electrical Code and bearing the Philippine Standard Agency (PSA) mark unless specified or indicated otherwise. • All materials to be used shall conform to the Bureau of Product Standard (BPS) Specifications. • Upon completion of the electrical construction work, the contractor shall provide all test equipment and personnel and to submit written copies of all test results. • Labor includes the relocation of fixtures, outlet, switches and others

Submitted by:

Name of the Representative of the Bidder: _____

Position: _____

Signature of the Bidder: _____

Date: _____