Republic of the Philippines
MARIANO MARCOS STATE UNIVERSITY
City of Batac, Ilocos Norte

PROJECT INFORMATION DOCUMENT

Project Title : **CONSTRUCTION/COMPLETION OF METEOROLOGY BUILDING**
Project Location : **MMSU, City of Batac, Ilocos Norte.**

The project calls for the furnishing of all materials, labor, tools and equipment needed for the construction of the Project: **Construction/Completion of Meteorology Building** located at MMSU Campus, City of Batac, Ilocos Norte. The said construction shall be done in strict conformity with the plans, designs, drawings and other details, as well as the specifications for materials and workmanship for all scope of works, This Project Information Document and other related contract documents prepared and approved for this project.

It also calls for the employment of the required men power with the appropriate skills and expertise to carry out the specific items of work of this particular project and to enable the contractor to produce and deliver to the satisfaction of the Owner the needed services and output required of this undertaking. In addition, the contractor shall have adequate and readily available construction tools and equipment such as, but not limited to, Backhoe, Transit Mixer, Dump Truck, Pumpcrete, Concrete Vibrator and Compactor to be utilized for the construction activities. It also a must as it is necessary that the contractor shall have regularly at the site a qualified Project Engineer to administer strictly the implementation of the project, including maintaining a log book of construction activities, as well as receiving authorized University Officials and Inspectors and a Safety Officer.

The contractor's license required for prospective contractors to undertake this project is at least a holder of **PCAB License with Principal Classification and Category which is under "GENERAL BUILDING-B and with Size Range of MEDIUM-A".**

General Instructions

Specifically the project covers the construction of Second Floor with Third Floor concrete slab level made mainly of mixed materials such as reinforced concrete for columns, third floor beams and slab on steel deck panels for floor system with ceiling, masonry, finishing, painting and millworks. The contractor shall ensure that the construction activities must not interfere, obstruct and disturb any on-going operation of the adjacent buildings and other facilities; hence, the contractor shall construct a temporary security or peripheral fence to enclose and isolate the working area from the other portions of the campus. In Addition, the contractor shall be required to provide its own water and power supply system needed in the proper execution of the various works for the duration of the contract.

The location of the project is in between two existing buildings. Hence, it is a must that prospective bidders shall make an actual inspection of the proposed location for them to

determine firsthand the condition of the site as a prerequisite to the preparation of their bid proposals.

1. ***ROUGHING WORKS*** This includes chipping of existing beams, columns, flooring and masonry walls at the part of the 25 classroom building and communication arts building. This also includes the excavation at the existing finished ground line for septic tank.

2. ***REINFORCED CONCRETE WORKS*** This includes fabrication of steel reinforcement for columns, floor beams and slab following the structural details of the above structural members including sizes and grades of reinforcing steel bars, installation of steel deck panel for slab for floor system and laying of slab steel reinforcement, pouring of concrete for all structural members following the design strength of concrete. The contractor shall submit **REQUEST FOR POURING NOTICE** to the **PPDO** not later than **THREE(3) DAYS** before the scheduled pouring of concrete so that **PPDO Staff** assigned to the project including representatives of the University Inspection Committee for Infrastructure can check and verify conformance to plans, specifications and quality of all items such as reinforcement, electrical roughing-in and other items that are to be embedded in concrete. The contractor is required to submit Tensile Strength tests results for Reinforcing Steel Bars to be used and to check conformance to specified design yield strength of 276 Mpa. For Reinforcing Steel bars. The contractor is also required to take samples of concrete and prepare concrete specimens for testing actual compressive strength of in place concrete for different structural members. Results of Compressive Strength Tests shall be equal to or greater than the specified design compressive strength of 21 Mpa. used in the structural design and shall be submitted to PPDO for record purposes and as basis for payments of accomplishments for this scope of works.

   All steel reinforcements shall be thoroughly and properly secured with tie wires such that the said tie wires shall not obstruct the flow of aggregates during the pouring.

   Testing of the samples for tensile strength for the reinforcing steel bars and the compressive strength of concrete shall be the responsibility of the contractor; however, gathering of samples of materials to be subjected for testing shall be done in the presence of the Technical Inspector of the University.

3. ***MASONRY/PLASTERING WORKS*** This includes the construction and installation of CHB wall panels for both exterior and interior walls. This includes cement plastering of all reinforced concrete surfaces adjacent to exterior and interiror walls to desired alignment with the CHB wall panels with plain cement finish ready for painting or exterior finishing. All exposed reinforced concrete surfaces shall be also applied with cement plaster finish, while wall finishing of other walls and partition shall be as indicated in the plans and drawings. This includes application of asphalt membrane for waterproofing and brick tile as an aesthetic claddings. Waterproofing application shall be in conformity in standard waterproofing procedures.

4. ***FORMWORKS*** This includes fabrication and installation of wooden formworks for reinforced concrete structural members mentioned in Reinforced Concrete Works. Fabrication works shall be done such that when forms are assembled, there shall be a minimum clearance between the steel bars and the form materials of at least 37.5 mm.

5. ***ELECTRICAL WORKS.*** This includes installation of electrical materials such as electrical conduits, junction boxes, pvc connectors. All circuit home runs shall run to the locations in conformity with the plans. All electrical works shall be done by/or electrician/s who is/are holder of at least a TESDA NC II certificate. All electrical installations shall be done under direct supervision of a duly licensed electrical practitioner, i.e. Professional Electrical Engineer, Registered Electrical Engineer or Registered Master Electrician who shall regularly be at site during the implementation stage until the system is satisfactorily completed. It is a must that the electrical works are duly supervised to assure that the work is done in conformity with the contract documents and to resolve field conflicts or installation deficiencies with the MMSU Technical staff in case there is one. Said electrical practitioner shall have a PCAB license specializing and/or with experience in the installation of ECB, FEEDER LINES, TRANSFORMER and ACCESSORIES.

6. ***MILL WORKS.*** This includes the fabrication, delivery and installation of "analok" framed aluminum doors and windows following the quantities and number of sets, architectural design and details indicated in the plans, specifications and schedule of doors and windows. The contractor shall submit samples of the type of the proposed door and window panels to be installed for approval of the Owner.

7. ***CEILING WORKS.*** This includes construction of metal furring ceiling suspension system following the architectural design indicated in the ceiling plan, installation of hardiflex interior ceiling. The contractor shall submit samples of the type of the proposed ceiling panels to be used for approval of the Owner.

8. ***PAINTING WORKS.*** This includes the painting of all exposed ceiling, interior and exterior masonry walls and structural members.

9. ***TILE WORKS.*** Layout the ceramic tiles with the appropriate tile adhesive and arrange the tiles in such a way that the gap between each tiles on all sides shall be kept at a maximum of two (2) millimeters. Tile grout of the appropriate color shall be used to fill up all the gaps between each tile.
   Remove all excess grouts and adhesives from the laid out tiles, after which, wipe their surfaces with cotton rags until they are clean and glossy.
   The contractor shall show samples of each type of tiles to the Owner for approval of the color, design and quality.

10. ***PLUMBING WORKS.*** All piping systems for water and drainage to be embedded in concrete shall be free of any leak; hence, they shall be subjected to water test before concrete is poured. All other pipes and conduits shall be laid out in locations as indicated in the plans and drawings. Laying out of all piping systems and conduits shall be thoroughly inspected by the technical representative/s of the University before concrete is poured. All pipes and conduits shall be properly secured with tie wires, straps or the like as an assurance that they will not be dislocated during the pouring activities.
    All water lines embedded in concrete shall be PP-R PN20 (SDR6) type pipe with the appropriate fittings. Exposed water lines shall be Galvanized Iron (GI) schedule 40 pipes with the appropriate GI fittings of sizes as shown in the drawings.

11. ***FURNISHING WORKS, NETWORK INFRASTRUCTURE AND FIRE DETECTION AND ALARM SYSTEM.*** Verify plans and details, submit samples to the Project Inspector for approval. Refer to plans and details regarding the standard procedures.

    All other items or scope of works not mentioned in this document but shown and/or indicated in the plans, drawings and specifications, except where it is specifically mentioned as "to be provided by others", the contractor shall likewise furnish all materials, labor and equipment necessary to complete the same.

    Where the above mentioned items or scope of works required the approval of the quality and design of the materials to be used or their testing before they are installed, embedded in concrete or enclosed with specified covering materials, the contractor shall secure from the University clearance or permission related hereto.

    After all works have been completed, the surrounding immediate areas affected in the prosecution of the project shall be cleaned and cleared of all excess materials and debris, temporary structures, facilities and utilities used during the construction period.

A. Time is a very important factor in the implementation of this project and as such, all works indicated in the plans, specifications and in this document shall be fully completed within - **150- calendar days** from receipt of the Notice to Proceed.

B. The Approved Budget for the Project to be bid is **Six Million, Nine Hundred Ninety Nine Thousand, Ninety Eight and 55/100 Centavos (Php 6,999,098.55).**

Prepared by:

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