

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

PROJECT INFORMATION DOCUMENT

Project Title : **Construction of the Gymnatorium with State-of-the-art Facilities
(Phase II)**
Project Location : **MMSU, Batac City, Ilocos Norte**

The project calls for the furnishing of all materials, labor, tools and equipment needed for the construction of the Gymnatorium Phase II at east part of the Teatro Ilocandia, MMSU, Batac City, Ilocos Norte. The said project shall be done in strict conformity with the designs, plans, drawings and other details, as well as the specifications, this Project Information Document and other related contract documents prepared and approved for this project.

It also calls for the employment of men power with the appropriate skills and expertise to undertake the specific items of work 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 to be utilized during the construction activities of the project. It is 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.

The Contractor's license required for prospective bidders to undertake this project is at least a holder of **PCAB License with Principal Classification and Category B and with size range of Medium - A.**

General Instructions

Specifically, the project covers the construction of a new reinforced concrete building which shall accommodate Sports facilities, offices and other spaces and facilities as indicated in the plans and drawings prepared and approved for this project. The subject of this contract has an approximate floor area of 5130.00 sq. mts.. The contractor shall ensure that the construction activities shall not interfere, obstruct and disturb any on-going operation of the other areas and facilities of the campus and the adjoining road; hence, the contractor shall construct a temporary security or peripheral fence to enclose and isolate the working area from the other buildings and facilities 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.

Specifically, the project involves the construction of new reinforced concrete framing system such as foundations, columns, beams and suspended slab, as well as the exterior and interior wallings and partitions and the roofing system for the second level structure.

The lot where the proposed project will be put up has existing small concrete structures housing equipment for water supply and for power supply. These structures shall be completely torn down and all the dismantled materials, broken concrete and other items from the demolished building, as well as any physical obstruction and vegetations at the site shall be removed from the construction area. All of these dismantled and throwaway materials shall be disposed of properly in a designated place; however, all dismantled and removed materials from the building that are still in good condition or can be re-used shall be turned over to the University. Other existing water and power lines, as well as other service utilities within the area of construction which will hinder construction works shall be relocated; however, said

relocation shall be done only after proper consultation with those in-charge of the affected utilities in the University.

The prospective bidders shall submit a bid proposal for the above-mentioned project with the following scope of works:

1. Earth Works. Pesticides (Soil Poisoning), backfilling, earth fill, gravel fill, grading and leveling to the desired elevation and as shown in the plans and drawings and then thoroughly compacted. Clearing of the area must be observe after the contract is finished.

2. Concrete Works. This includes mixing and pouring of concrete which shall always be witnessed by the technical representative/s of the University. Hence, the Contractor shall notify the University at least three (3) working days in advance before the scheduled pouring period. All pouring activities that require the inspection by designated University technical personnel should be done only during official working days.

The Contractor is also required to take samples of concrete and prepare concrete specimens for testing of 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 used in the structural design and shall be submitted to PPGSD for record purposes and as basis for payments of accomplishments for this scope of works.

Concrete mixture of 1 bag cement, 2 parts sand and 3 parts screened gravel shall be used for all the reinforced concrete sections. The Contractor shall employ at his own expense an approved testing laboratory which shall make compression and slump test for concrete and manufacturer's certificate of mill test of all reinforcing steel bars. Plain Concrete, shall have a minimum ultimate compressive strength of 21 Mpa at 28 days while reinforcing steel bars shall have a minimum yield strength of 276 Mpa.

The Contractor shall be required to use at least a one bagger concrete mixer and concrete vibrator during the concreting works.

The Contractor shall implement continuous water curing of poured in-place concrete at least twice during the day for a period of 28 days before final inspection.

3. Reinforcing Steel Works. Fabrication of steel reinforcements for all structural members shall be in accordance with the plans, drawing details and specifications. 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. All steel reinforcements shall be thoroughly and properly secured with tie wires. The placing of said tie wires shall be such that they will not obstruct the flow of aggregates during the pouring.

All fabricated steel reinforcements after setting them up in place shall be subjected to inspection by the technical representative/s of the University before pouring them of mixed concrete. Concrete materials and proportions of mixtures shall be in accordance with the specifications for this project.

The Contractor is required to submit Tensile Strength tests results for Reinforcing Steel Bars to be used and then to be checked for conformance to specified design yield strength of Reinforcing Steel bars.

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.

4. Form works. This includes fabrication and installation of wooden formworks, assembling of runners, shoring and braces needed for the reinforced concrete works and other structural members mentioned under the item on Reinforced Concrete works.

5. Roof Framing Works. Fabrication and installation of Steel (G.I. Pipe) Roof Trusses and purlins shall be in accordance with the design and sizes, grades and specifications of

roofing materials indicated in the Roof Framing Plan and structural details of steel roof trusses and purlins. This particular scope of works shall be done by an accredited expert welder who has the needed experience in undertaking similar projects.

Before laying out the roofing sheets, all truss members, like the angle bars, plates, purlins, cleats, sag rods, bracings, etc., shall be brushed and sanded to remove all traces of rusts, scales and oil, and then applied with the specified primer.

6. Roofing Works. For the roofing sheets, use long span rib type profile colorroof with the color and the design to be approved by the Owner.

The foam insulation underlay to be used for the roofing system shall be 5mm thick one sided reflector type.

The contractor shall show samples of the roofing sheet to be used for the approval of the University.

7. State of the art Facility. This Includes Purchasing of LED Smart TV Monitor or LED Panel (65" Smart 4k UHD TV) to be installed in the building. Location of the installation shall be asked to the end-user or the in-charge technical engineer. The contractor shall show a sample for this item for the approval of the University.

SUPPLEMENTARY PROVISIONS

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.

In case that a conflict arises in specifications and quality of materials, installation procedure and in the plans and drawings as well as in the other contract documents before and during the implementation stage, the same should be referred to the end-user for proper resolution of the said conflict.

Where the above-mentioned items or scope of works require 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 the works have been completed, the surrounding immediate areas affected in the execution of the project shall be cleaned and cleared of all excess materials and debris, temporary structures, facilities and utilities used during the construction period. All spillages and scattered caused by the painting work, grouts, adhesives, as well as markings and signage shall likewise be removed to the full satisfaction of the Owner.


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 **TWO HUNDRED FIFTY (250) calendar days** from receipt of the Notice to Proceed.

B. The Approved Budget for the Project to be bid is **Thirty-Nine Million Nine Hundred Ninety-Nine Thousand Forty-Nine and 66/100 Pesos (Php. 39,999,049.66).**

Prepared by:


PHILIP D. PADRE
Engineer I

Checked by:


AIDA V. CABANG
Architect IV, Planning


ROMEO R. DULDULAO
Director, PPDO