

PROJECT REQUIREMENTS

FOR THE PROJECT - FIT-OUT/ COMPLETION OF MULTI PROPOSE GYM WITH HARDWOOD COURT

*Of the Philippine Science High School Central Mindanao Campus (PSHS-CMC)
Located at Nangka, Balo-i, Lanao de Norte*

1. BACKGROUND

The overriding brief for this project has been developed following extensive research into the world's leading work place environments. , it was concluded that the following items were fundamental in creating a workplace that can be a benchmarked against best practice.

With the opportunity to enhanced vertical & horizontal connectivity that could be Artistic, Economical, Structurally sound and Environmental Friendly

A well-positioned contiguous facade to enhance the environmental benefits of structure namely: Light Filtration, Sound Barrier, Ventilation, Visual Outlook, Privacy, Shading, Solar Heat and Glare, and because of its ability to manage heat and airflow, perforated metal reduces a building's energy costs.

Enhanced the facade provided amenity and diversity unique to the place.

A unique and dynamic ground plane, highly activated and enhanced to provide a surround amenity unattainable elsewhere in PSHS Campuses. It expressed workplace and building innovation – achieved in the building architecture including floor plate configuration, open court detailing and building facade.

It is an environmentally sustainable design – passive and visual, delivering world's best practice for internal environment quality and energy.

2. PROJECT DESCRIPTION AND LOCATION

This project is a continuation of the previous un-completed components of the Gymnasium. The works shall include but not limited to construction and finishing of; exterior façade, classrooms, offices, stage, bleachers, comfort rooms, windows, doors, electrical , ceiling, tiling, electrical & plumbing fixtures and other finishing works as per drawings and Contract.

The project approved budget for construction **Twenty Three Million Five Hundred Thousand** (PhP23,500,000.00) inclusive of taxes.

The proposed project is located in the Philippine Science High School Central Mindanao Campus, Nangka, Balo-i, Lanao de Norte.

3. SELECTION OF CONTRACTOR

3.1 Bidding shall be conducted by the Bids and Awards Committee (BAC) constituted to conduct the procurement of the project.

3.2 The CONTRACTOR shall be PCAB accredited.

4. SCOPE OF WORK

4.1 Construction Phase

- 4.1.1 Implement all works as indicated in the approved construction drawings and specifications.
- 4.1.2 Demolition of walls, removing and re-installation of doors, fixtures and etc.
- 4.1.3 R.C. Bleachers; installation of laminated wood and to include concreting the under bleachers with plaster finish then apply skim coat.
- 4.1.4 R.C. stairs; plain cement finish
- 4.1.5 Installation of CHB walls, including plain cement finish at the rear side of the building.
- 4.1.6 Plain cement finishing of RC columns, beams and other concrete structural members.
- 4.1.7 Concrete Works; includes exterior façade and walkway
- 4.1.8 Comfort rooms; supply and install water closets and urinal
- 4.1.9 Door; supply and install wooden doors (including all hardware); supply and install of roll-up door/s
- 4.1.10 Windows; Supply and install Jalousie windows. This includes preparatory concrete and or masonry works to fit the windows.
- 4.1.11 Structural steel works; fabrication and installation of roof framings then apply paint finish
- 4.1.12 Architectural works to include; tiling works; construction of ceiling for the stage; Painting works for walls, ceiling, wooden doors, etc.; to install perforated metal sheets for the exterior façade;
- 4.1.13 Electrical Works; removing and combining some existing panel boards
- 4.1.14 Plumbing works; replacing the existing septic tank; rectification of the existing water line system for the plumbing fixtures and other types of rectification.
- 4.1.15 Mechanical Works; supply and installation of aircon, blowers, exhaust fans and motors
- 4.1.16 Other works; supply and installation of moveable basketball goal, projector screen, logo and signage and hardwood flooring for basketball court.
- 4.1.17 Conduct all necessary tests (as required by PSHS-CMC) and issue reports of results.
- 4.1.18 Rectification of punch-listing works to be inspected and issued by PSHS-CMC and/or by the Consultant.
- 4.1.19 Provide all other necessary documents that shall be required by PSHS-CMC.

4.2 Post-Construction Phase

4.2.1 Preparation of as-built plans where necessary.

5. MINIMUM REQUIREMENTS

5.1 Personnel

- 5.1.1 Civil Engineer- must be duly-licensed with at least five (5) years' experience in construction works.
- 5.1.2 Electrical Engineer – must be a Registered Electrical Engineer with at least five (5) years' experience in electrical works.
- 5.1.3 Safety Officer – must be an accredited safety practitioner by the Department of Labor and Employment (DOLE) and has undergone the prescribed 40-hour Construction Occupational Safety and Health (COSH).

5.2 Minimum Equipment

- 5.2.1 Welding Machine, 4-units
- 5.2.2 Dump Truck, 1-unit
- 5.2.3 Scaffoldings Metal, 1-lot
- 5.2.4 Grinder, 4-units
- 5.2.5 Bagger Mixer, 1-unit
- 5.2.6 Concrete Vibrator, 1-unit
- 5.2.7 Electric Drill 4- units

6. PROJECT TIME SCHEDULE

The CONTRACTOR shall complete the project within **two hundred ten (210) calendar days** from signing of the Contract.

7. PSHS-CMC GENERAL RESPONSIBILITY

- 7.1 Coordinate with the CONTRACTOR and the Designer pertaining to issues during the construction.
- 7.2 Conducts regular coordination meetings between the CONTRACTOR and the Designer.

8. CONTRACTORS GENERAL RESPONSIBILITY

- 8.1 The CONTRACTOR shall certify that he has, at his own expense, inspected and examined the proposed project site, its surroundings and existing infrastructure and facilities related to the execution of the work and has obtained all the of information that are considered necessary for the proper execution of the work.

8.2 The CONTRACTOR shall be PCAB accredited and shall have a Construction Safety and Health Program approved by DOLE and designed specifically for this project.

8.3 The CONTRACTOR will be held accountable for accidents that might occur during the execution of the project. The CONTRACTOR is required to install warning signs and barriers for the safety of the general public and the avoidance of any accidents and provide appropriate personal protective equipment for their construction personnel.

9. SUBMITTALS DURING THE PROJECT

9.1 Project detailed schedule in PERT-CPM or Gantt Chart format.

9.2 Test Results.

9.3 Certificate of Occupancy.

9.4 Daily, weekly, and Monthly Reports.

9.5 All other necessary documents to be required by PSHS-CMC.

10. MODE OF PAYMENT

10.1 PSHS-CMC shall pay the CONTRACTOR progress payments based on billings for actual works accomplished, as certified by PSHS-CMC and the Designer. In no case shall progress billing be made more than once every thirty (30) calendar days. Materials or equipment delivered on the site but not completely installed in place or used in the project shall not be included for payment.

10.2 All progress payment shall be subject to retention of ten percent (10%) based on the amount due.

10.3 The CONTRACTOR may request in writing which must be submitted to form part of the Contract Documents, for an advanced payment equivalent to fifteen percent (15%) of the total Contract Price. The advance payment shall be made once the CONTRACTOR issues its irrevocable standby letter of credit from a reputable bank acceptable to PSHS-CMC, or GSIS Surety Bond of equivalent value, within fifteen (15) days from the signing of the Contract Agreement to cover said advanced payment.

10.4 First Payment/Billing shall have an accomplishment of at least 20%.

10.5 The following documents must be submitted to PSHS-CMC before processing of payments to the CONTRACTOR can be made:

10.5.1 Progress Billing

10.5.2 Request for Payment by the Contractor.

10.5.3 Pictures/photographs of original site conditions (for First Billing only)

10.5.4 Pictures/photographs of work accomplished

Of the Philippine Science High School Central Mindanao Campus (PSHS-CMC)
Located at Nangka, Bala-I, Lanao de Norte

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