

PROJECT REQUIREMENTS

FOR THE PROCUREMENT AND IMPLEMENTATION OF THE PROJECT EXPANSION OF ACADEMIC BUILDING I.

I. BACKGROUND

Starting SY 2020-2021, PSHS-CMC increased its Grade 7 enrollees from 90 to 120 to accommodate more students with high aptitude in Science and Mathematics in Northern Mindanao. Thus, a total of 180 scholars will be added by SY 2025-2026. With the increase in student population, there will be a classroom shortage of six (6) classrooms to cater the academic and instruction needs of the scholar.

To address the classroom shortage, PSHS-CMC proposed for the Expansion of Academic Building 1. The project was divided into two phases; the Structural Phase, and Achitectoral/Completion Phase.

The first phase of the said project covers the structural of the building with a project cost of Nine Million Five Hundred Fifty – two Thousand and Five Hundred Twenty - Eight Pesos and Twenty - Six Centavos (Php 9,552,528.26) from FY 2023. It was completed last September 20, 2023.

The final phase will be the completion of the said project with Approved Budget of the Contract amounting to **Nine Million Two Hundred Sixty-Three Thousand Three Hundred Fifty-Six Pesos Only (Php 9,263,356.00)** through the approved allocation for capital outlays under the 2024 National Expenditure Program (NEP) with the sum of Ten Million Pesos Only (Php 10,000,000.00) for the fulfillment of architectural, MEFPS, FDAS, wifi & cctv system works that will fit-out six (6) classrooms and two (2) faculty office with gender responsive/PWD comfort rooms.

II. PROJECT DESCRIPTION AND LOCATION

The proposed structure is a two – storey reinforced concrete with a 2- Faculty office, 6 - Classrooms, 2 – Female CR, 2 – Male CR, 2 – All Gender CR and Storage Room with an estimated floor area of seven hundred forty – eight (748) square meters. It can accommodate one hundred eighty (180) scholars and four (4) faculty.

The propose project is located in the Philippine Science High School Central Mindanao Campus, Nangka, Balo – I, Lanao Del Norte.

III. SELECTION OF CONTRACTORS

1. Bidding shall be conducted by the Bids and Awards Committee (BAC) constituted to conduct the procurement of the project.
2. The CONTRACTOR shall be PCAB accredited.

IV. SCOPE OF WORK

1. Pre – Construction Phase

1.a Preparation of the PERT – CPM/ Gantt chart, equipment, materials and manpower schedule of the construction phase.

1.b Provide all necessary documents that shall be required by PSHS – CMC.

2. Construction Phase

2.a Implement the following scope of works as indicated in the construction drawings and specifications.

a. General Requirements

Mobilization & demobilization

Field office (temporary facilities)

Permits & Clearances (FSEC, FSIC, building & occupancy permit)

Project Billboard

Construction Safety & Health

b. Painting Works

c. Tiling Works

d. Fenestration

e. Ceiling Works

f. Plumbing & Plumbing Fixtures

g. Electrical & Electrical Fixtures

h. Supply & Installation of Fire Protection System

i. Supply & Installation of FDAS - Smoke Detector, Fire Alarm Bell & Control Panel

j. Supply and Installation of Dry Stand Pipe and Siamese Twin Pipe

k. Supply and Installation of 40-ports CAT-6 structured cabling system and 2-core single-mode fiber optic cabling installation, Public Address System, CCTV surveillance systems.

l. Construction of Corridor Connecting

Expansion of Academic Building I to Library Stairs & Demolition

Expansion of Academic Building I to Student's Learning Resource Center.

2.b Rectification of punch – listing works to be inspected and issued by PSHS – CMC.

2.c Provide all other necessary documents that shall be required by PSHS – CMC.

3. Post – Construction Phase

3.1 Preparation of AS – BUILT Plans.

Note: Fire Protection System Plans / Mechanical Plans must be signed & Sealed by the Professional Mechanical Engineer with Fire Safety Practitioner Licensed.

V. MINIMUM REQUIREMENTS

1. Prospective contractors must have at least five (5) years of similar and/or relevant experience related to this Project Requirements, duly registered with SEC or DTI with the following minimum personnel available.

1.a Civil Engineer / Structural Engineer - The Civil Engineer / Structural Engineer must be a duly-licensed Civil Engineer with at least five (5) years' experience in building construction works.

2.b Electrical Engineer - The Electrical Engineer must be a duly-licensed Electrical Engineer with at least five (5) years' experience in electrical building works.

3.c Safety Officer – Should be a Construction Occupational Safety and Health (COSH) Certified with at least five (5) years' experience in constructions.

4.d Mechanical Engineer – The Mechanical Engineer must be a duly-licensed Mechanical Engineer with at least five (5) years' experience in building construction works.

5.e Master Plumber – The Master Plumber must be a registered Master Plumber with at least five (5) years' experience in building construction works.

1.1 Equipment's

- 1.1.a 1 – unit Concrete Mixer (1 – bagger)
- 1.1.b 1 – unit Plate Compactor
- 1.1.c 1 – unit Welding Machine
- 1.1.d 1 – unit Mini Dump Truck
- 1.1.e 1 – unit Generator Set, minimum 25 kilowatt
- 1.1. f 2 – units Hand Drill
- 1.1.g 2 – units Grinder
- 1.1.h 1 – lot Metal Scaffoldings
- 1.1. I 1 – unit Water Truck

VI. PROJECTS TIME SCHEDULE

The CONTRACTOR shall complete the project within One Hundred Fifty (150) calendar days from receipt of Notice to Proceed (NTP) included of expected rainfall during implementation.

VII. **PSHS – CMC GENERAL RESPONSIBILITY**

1. Coordinate with the CONTRACTOR and the PMO pertaining to issues during the construction.
2. Conducts regular coordination meetings between the CONTRACTOR and the PMO.

VIII. **CONTRACTOR GENERAL RESPONSIBILITY**

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 of the information that are considered necessary for the proper execution of the work.
2. The CONTRACTOR shall be PCAB accredited and shall have a construction safety and health program approved by DOLE and designed specifically for this projects.
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.

IX. **SUBMITTALS AND OTHERS**

1. Project Detailed Schedule in PERT – CPM and or Gantt chart format.
2. Materials / Manpower Schedule
3. Equipment Schedule
4. Test Results
5. As Built Plan with Digital Copy
 - 3 – sets A3 size
 - 1 - set Tracing Paper
 - 1 - set Blueprint
6. Fire Safety Compliance and Maintenance Report
7. Fire Safety Commissioning Report
8. Annual Fire Safety Maintenance Report – Validity period for 3 years.
9. All other necessary documents to require by PSHS – CMC.

X. **MANNER OF PAYMENT**

1. PSHS – CMC shall pay the CONTRACTOR based on the following payment schedule:

Payment Schedule	Gross Amount (PHP)	Cumulative gross amount of payment (PHP)
ADVANCE PAYMENT 15% of the construction amount. The advance payment shall be in one time deduction from the First Progress Billing	1,389,503.40	1,389,503.40
FIRST PROGRESS BILLING 20% accomplishment One time deduction of Advance Payment (15%)	463,167.80	1,852,671.20
SECOND PROGRESS BILLING 40% accomplishment	1,852,671.20	3,705,342.40
THIRD PROGRESS BILLING 60% accomplishment, Third progress billing (net of recoupment of mobilization fee)	1,852,671.20	5,558,013.60
FOURTH BILLING 80% accomplishment	1,852,671.20	7,410,684.80
FINAL BILLING 100% accomplishment	1,852,671.20	9,263,356.00
Total Payment		9,263,356.00

2. Materials or Equipment delivered on the site but not completely installed in place or used in the project shall not be included for payment.

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

4. The CONTRACTOR may request in writing which must be submitted to form part of the contract documents, for an advanced payment equivalent to fifteen (15%) of the total contract price. The advance payment shall be made once the CONTRACTOR issues its irrevocable standby letter of credit from 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.

5. The following documents must be submitted to PSHS – CMC before processing of payments to the CONTRACTOR can be made.

- 5.1 Statement of Work Accomplished (SWA)
- 5.2 Request for Payment by the Contractor
- 5.3 Pictures/photographs of original site conditions (for first billing only)
- 5.4 Pictures/photographs of work accomplished
- 5.5 Inspection work request and work permits
- 5.6 Contractors affidavit on payments of labor and materials
- 5.7 Photocopy of paid disbursement vouchers

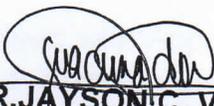
XI. **LIQUIDATED DAMAGES**

Where the CONTRACTOR refuses or fails to satisfactorily complete the work within the specified contract time, plus any time extension duly granted and is hereby in default under the contract, the CONTRACTOR shall pay to PSHS – CMC for liquidated damages, and not by way of penalty, an amount, as provided in the conditions of contract, equal to at least one tenth (1/10) of one percent (1%) of the cost of the unperformed portion of the works for every day of delay. Should the amount of liquidated damages reach ten percent (10%) of the contract amount, PSHS – CMC shall, at its own discretion, terminate the contract without prejudice to any further action it may take to recover whatever losses incurred due to non – performance of the CONTRACTOR.

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