



PROJECT REQUIREMENTS FOR THE PROJECT –

REPAIR/REHABILITATION OF ACADEMIC BUILDINGS I AND II

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

1. BACKGROUND

The Philippine Science High School-Central Mindanao Campus is an attached agency of the Department of Science and Technology where its vision is to become the leading science high in Asia Pacific Region preparing its scholars to be globally-competitive Filipino scientist.

To attain this vision, the need to provide scholars with high class facility and infrastructure is critical in order to be at par with leading Asia countries like Japan and Singapore, to name a few.

The Academic Building I and II have been used for academic instructions including some laboratories of five hundred forty (540) scholars coming from different cities and municipalities in Region X and offices of fifty-two (52) teaching/non-teaching personnel. These buildings have been built 10-15 years ago and as time goes by the comfort rooms were clogged, windows and other fixtures have become non-functional due to wear and tear. Classrooms were artificially lit, noisy, hot, and poorly well-ventilated thus leading to poor test results and not conducive to learning.

Thus, the need to repair/rehabilitate the Academic Buildings to provide our scholars and faculty a comfortable and conducive to learning facilities. Through these, it will have a powerful impact on the over-all learning and performance of the scholars.

2. PROJECT DESCRIPTION AND LOCATION

This proposed project works shall include but limited to; Repair of classrooms, hallways, stairways, handrails, utility rooms, painting, electrical rewiring works, replacement of doors and windows, cabinets, roof/gutter repair, ceiling, façade upgrading, replace toilet fixtures, repair/ replace leaking plumbing system, provide perimeter walkways , etc.

The project approved budget for construction is Nine Million Eight Hundred Forty Four Thousand (Php 9,844,000.00) inclusive of taxes.

The proposed project is located in 1 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 Pre-Construction Phase

4.1.1 Preparation of the PERT-CPM/ Gantt chart of the construction phase.

4.1.2 Provide all other necessary documents that shall be required by PSHS-CMC

4.2 Construction Phase

The contractor shall furnish all the construction materials needed for the execution and completion of the works to include manpower, equipment, tools and other incidentals necessary to complete the works in accordance with the construction drawings, technical specifications, bill of materials and as stated herein;

4.2.1	ACADEMIC BUILDING I
A	CLASSROOMS
A.1	Re-paint Walls, etc.
A.2	Change damaged Ceiling / repair and Paint
A.3	Change Doors (From Steel to Wooden with Glass Window)
A.4	Repair and re-paint Windows , replace broken glass
A.5	Replace all Electrical lighting fixtures (replace wire where necessary)
A.6	Provide Convenience outlets (at least 4-sets)
A.7	Provide Panel Board/ Circuit breakers
A.8	Repair / repaint wooden cabinets
A.9	Provide Room Name (Signage)
A.10	Construct wooden cabinet for cleaning gears

B	HALLWAYS
B.1	Re-paint Walls, Columns, Beams, etc.
B.2	Replace Railings (refer to drawings)
B.3	Change damaged Ceiling / repair and Paint, etc
B.4	Replace all Electrical lighting fixtures (replace wire where necessary)
B.5	Provide Convenience waterproof outlets (refer to drawings)
B.6	Provide Panel Board/ Circuit breakers
B.7	Provide Directional Sign (refer to drawings)
B.8	Repair Fire Alarm System, piping, smoke detectors, etc
B.9	Tiling Works
B.10	Provide Emergency Lights (Refer to drawings)
C	LIBRARY
C.1	Re-paint Walls, etc.
C.2	Change damaged Ceiling / repair and Paint
C.3	Change Doors / Jambs (From Steel to Wooden with Glass Window), Door to swing-out
C.4	Repair and re-paint Windows , replace broken glass
C.5	Replace all Electrical lighting fixtures (replace wire where necessary)
C.6	Provide Convenience outlets (at least 4-sets)
C.7	Provide Panel Board/ Circuit breakers
C.8	Repair / repaint wooden cabinets
C.9	Provide Room Name (Signage)
D	OFFICES
D.1	Re-paint Walls, etc.
D.2	Change damaged Ceiling / repair and Paint
D.3	Repair / repaint doors
D.4	Repair and re-paint Windows , replace broken glass
D.5	Replace all Electrical lighting fixtures (replace wire where necessary)
D.6	Provide Convenience outlets (refer to drawings)
D.7	Provide Panel Board/ Circuit breakers
D.8	Repair / repaint wooden cabinets
D.9	Provide Room Name (Signage)
D.10	Provide Exhaust Fans
D.11	Provide Emergency Light
E	CLINIC
E.1	Re-paint Walls, etc.
E.2	Change damaged Ceiling / repair and Paint
E.3	Repair / repaint doors
E.4	Repair and re-paint Windows , replace broken glass
E.5	Replace all Electrical lighting fixtures (replace wire where necessary)
E.6	Provide Convenience outlets (refer to drawings)
E.7	Provide Panel Board/ Circuit breakers
E.8	Repair / repaint wooden cabinets
E.9	Provide Room Name (Signage)
E.10	Provide 2-Exhaust Fans
E.11	Provide 1-Emergency Light

E.12	Re-paint Cubicle partitions
E.13	Construct Sink / Lavatory
F	TOILETS
F.1	Replace cubicle partitions
F.2	Repair all toilet fixtures
F.3	Repair /reinstall sewage line
F.4	Repair /reinstall water line
F.5	Install new tiles
F.6	Re-paint Walls, etc.
F.7	Change damaged Ceiling / repair and Paint
F.8	Repair and re-paint Windows , replace broken glass
F.9	Replace all Electrical lighting fixtures (replace wire where necessary)
F.10	Provide Panel Board/ Circuit breakers
F.11	Provide Room Name (Signage)
F.12	Provide Exhaust Fans
F.13	Install Hand Dryer
G	STAIRWAY
G.1	Re-paint Walls, Columns, Beams, etc.
G.2	Replace Railings (refer to drawings)
G.3	Change damaged Ceiling / repair and Paint
G.4	Repair and re-paint Windows , replace broken glass
G.5	Replace all Electrical lighting fixtures (replace wire where necessary)
G.6	Provide Convenience waterproof outlets (refer to drawings)
G.7	Provide Panel Board/ Circuit breakers
G.8	Provide Directional Sign (refer to drawings)
G.9	Repair Fire Alarm System, piping, smoke detectors, etc
G.10	Tiling Works
G.11	Provide Emergency Lights (Refer to drawings)
H	BUILDING EXTERIOR
H.1	Re-paint all Walls, Columns, beams, etc.
H.2	Add missing parts / Change damaged Ceiling / repair and Paint
H.3	Change damaged roof gutters
H.4	Change damaged roof down spouts
H.5	Replace all Electrical lighting fixtures (replace wire where necessary)
H.6	Provide Panel Board/ Circuit breakers
H.7	Provide Cover to End Gable (Hardiflex), paint
I	ELECTRICAL ROOM
I.1	Repair, Fix, Add Panel Board, circuit breakers
I.2	Re-paint Walls, etc.
I.3	Change damaged Ceiling / repair and Paint
J	OTHERS
J.1	Construct 3-New Rooms (refer to drawings)
J.2	Repartitioning Rooms (Refer to Drawings)
J.3	Construct concrete pathway (1-meter wide) around the building (refer to

	drawings)
J.4	Provide 6-water faucet outlet (with hose Bibb) around the building (refer to drawings)
J.5	Repair all water tanks in the building, including its piping system
J.6	Clean and repair all water catch basins. Replace, fix non-functioning drain pipes
J.7	Replace all defective aluminum door, window frames, etc.
J.8	Repair Fire Alarm System / Sprinkler
J.9	Upgrade Building Façade
J.10	Construct Septic Tank
4.2.2	ACADEMIC BUILDING II
A	CLASSROOMS
A.1	Re-paint Walls, etc.
A.2	Change damaged Ceiling / repair and Paint
A.3	Change Doors (From Steel to Wooden with Glass Window)
A.4	Repair and re-paint Windows , replace broken glass
A.5	Replace all Electrical lighting fixtures (replace wire where necessary)
A.6	Provide Convenience outlets (at least 4-sets)
A.7	Provide Panel Board/ Circuit breakers
A.8	Repair / repaint wooden cabinets
A.9	Provide Room Name (Signage)
A.10	Construct wooden cabinet for cleaning gears
B	HALLWAYS
B.1	Re-paint Walls, Columns, Beams, etc.
B.2	Replace Railings (refer to drawings)
B.3	Change damaged Ceiling / repair and Paint
B.4	Replace all Electrical lighting fixtures (replace wire where necessary)
B.5	Provide Convenience waterproof outlets (refer to drawings)
B.6	Provide Panel Board/ Circuit breakers
B.7	Provide Directional Sign (refer to drawings)
B.8	Repair Fire Alarm System, piping, smoke detectors, etc
B.9	Tiling Works
B.10	Provide Emergency Lights (Refer to drawings)
C	TOILETS
C.1	Replace cubicle partitions
C.2	Repair all toilet fixtures
C.3	Repair /reinstall sewage line
C.4	Repair /reinstall water line
C.5	Install new tiles
C.6	Re-paint Walls, etc.
C.7	Change damaged Ceiling / repair and Paint
C.8	Repair and re-paint Windows , replace broken glass
C.9	Replace all Electrical lighting fixtures (replace wire where necessary)
C.10	Provide Panel Board/ Circuit breakers
C.11	Provide Room Name (Signage)

C.12	Provide Exhaust Fans
C.13	Provide 1-Emergency Light
C.14	Install Hand Dryers
D	STAIRWAY
D.1	Re-paint Walls, Columns, Beams, etc.
D.2	Replace Railings (refer to drawings)
D.3	Change damaged Ceiling / repair and Paint
D.4	Repair and re-paint Windows , replace broken glass
D.5	Replace all Electrical lighting fixtures (replace wire where necessary)
D.6	Provide Convenience waterproof outlets (refer to drawings)
D.7	Provide Panel Board/ Circuit breakers
D.8	Provide Directional Sign (refer to drawings)
D.9	Repair Fire Alarm System, piping, smoke detectors, etc
D.10	Tiling Works
D.11	Provide Emergency Lights (Refer to drawings)
E	BUILDING EXTERIOR
E.1	Re-paint all Walls, Columns, beams, etc.
E.2	Add missing parts / Change damaged Ceiling / repair and Paint
E.3	Change damaged roof gutters
E.4	Change damaged roof down spouts
E.5	Replace all Electrical lighting fixtures (replace wire where necessary)
E.6	Provide Panel Board/ Circuit breakers
F	OTHERS
F.1	Construct concrete pathway (1-meter wide) around the building (refer to drawings)
F.2	Provide 6-water faucet outlet (with hose Bibb) around the building (refer to drawings)
F.3	Repair all water tanks in the building, including its piping system
F.4	Clean and repair all water catch basins. Replace, fix non-functioning drain pipes
F.5	Replace all defective aluminum door, window frames, etc.
F.6	Replace Water Tank Room Doors
F.7	Upgrading of building Facade (Refer to Drawings and Specifications)
F.8	Construction of Septic Tank and Piping works
G	ELECTRICAL ROOM
G.1	Repair, Fix, Add Panel Board, circuit breakers
G.2	Re-paint Walls, etc.
G.3	Change damaged Ceiling / repair and Paint

- 4.2.1 Preparation of the area where works shall be performed. Provide the necessary scaffoldings, safety signs, barriers, as the work area is within the student's study areas / work place.

- 4.2.2 Implement all works as indicated in the construction drawings and specifications and as enumerated in the Bill of Quantities. To include but not limited to; demolition, laying of concrete hollow, painting, finishing, ceiling works, carpentry works, electrical works, plumbing, steel works, roofing / gutter works and other necessary works.
- 4.2.3 Dispose all demolished materials, debris to a designated area within the campus.
- 4.2.4 Rectification of punch-listing works to be inspected and issued by PSHS-CMC.
- 4.2.5 Provide all other necessary documents that shall be required by PSHS-CMC.

4.3 Post-Construction Phase

- 4.3.1 Preparation of as-built plans.

5. MINIMUM REQUIREMENTS

5.1 Personnel

- 5.1.1 Civil Engineer or Architect—Licensed with at least five (5) year experience in building construction works.
- 5.1.2 Safety Officer – Should be a Construction Occupational Safety and Health (COSH) or BOSH Certified.

5.2 Equipment

- 5.2.1 1- Concrete Mixer (1-bagger), 1-Concrete Vibrator, Steel Scaffoldings (Assorted)

6. PROJECT TIME SCHEDULE

The CONTRACTOR shall complete the project within one-hundred fifty (150) 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 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.

8.4 Contractor to secure Business Permit and or other permits as required by the Local Government Unit where the project is located.

9. SUBMITTALS DURING THE PROJECT

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

9.2 Test Results.

9.3 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 stand by 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.

Prepared by:

ELEAZAR A. ESLAO

Resident Engr.

Recommending Approval:

f. *Marisa L. Dahan* 7/9/18
MARISA L. DAHAN

FAD Chief

Approved by:

Lorvi B. Pagorogon
LORVI B. PAGOROGON

Campus Director

/ REV. July 9, 2018