

**PROJECT REQUIREMENTS
FOR THE PROJECT – REHABILITATION AND IMPROVEMENT
OF EXISTING WATER SYSTEM**

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

1. BACKGROUND

At present the School Campus has a deep well which serves as its source of water, the said deep well source is not sufficient to supply the needs of the Campus. Each building of the campus have steel storage tanks which supplies water to the building. The Campus existing water piping network were installed more than five years ago.

2. PROJECT DESCRIPTION AND LOCATION

This project shall include sourcing water from the National Power Corporation Agus 4 complex. This will include laying of pipes totaling around 2.5-km.. An elevated concrete water tank will constructed on top of an existing electrical room. The existing piping network will be repaired and improved. New piping will be installed for the newly constructed buildings.

The project approved budget for construction One Million Eight Hundred Twenty Thousand Pesos (**Php 1,820,000.00**) 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 o 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

- 4.2.1 Construct a reinforced concrete tank per drawings and specifications.
- 4.2.2 Repair of existing piping networks per drawings and actual conditions.
- 4.2.3 Install new piping networks per drawings and specifications.
- 4.2.4 Install water pipe line (HDPE, 1" dia.) and fittings from Agus 4 complex to PSHS-CMC Campus. To include but not limited to tapping from Agus 4 water tank, excavation / backfilling, laying, anchoring of HDPE pipe line passing thru the Agus 4 shaft and tunnel per actual site conditions.
- 4.2.5 Construct a steel Derrick for the Deep Well pump.
- 4.2.6 Install Fire Hydrants, refer to drawings
- 4.2.7 Repair of existing fire hydrants, repair to drawings.
- 4.2.8 Supply and deliver install the Items listed in the Bill of Quantities.

4.3 Post-Construction Phase

- 4.3.1 Preparation of as-built plans.

5. MINIMUM REQUIREMENTS

5.1 Personnel

- 5.1.1 Civil Engineer –Licensed with at least two (2) 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.

6. PROJECT TIME SCHEDULE

The CONTRACTOR shall complete the project within ninety (90) 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.

8.1 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.

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 or 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.
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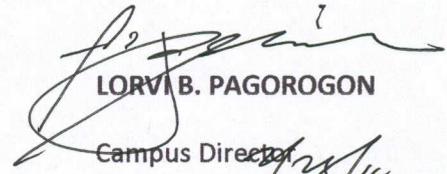
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