



BILL OF QUANTITIES

CONSTRUCTION OF PARKING SPACE AND ELECTRICAL FEEDER LINE FOR BAHAY ALUMNI ABC: ₱ 1,406,479.46 COLLEGE/UNIT/CAMPUS: MAIN CAMPUS					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	MOBILIZATION (Pesos _____ _____ and _____ centavos)				
II	EARTH WORKS (Pesos _____ _____ and _____ centavos)				
III	SUBGRADE PREPARATION (Pesos _____ _____ and _____ centavos)				
IV	CONCRETE PAVEMENT (Pesos _____ _____ and _____ centavos)				
V	MISCELLANEOUS WORKS (Pesos _____ _____ and _____ centavos)				
GRAND TOTAL					_____
Write grand total in words _____ _____ _____					

Submitted by: _____ Date: _____
 Name of Bidder/Bidder's Representative: _____
 Position: _____
 Construction Company/Contractor: _____

CAVITE STATE UNIVERSITY

SCOPE OF WORK:

A. CONSTRUCTION OF PARKING SPACE AND ELECTRICAL FEEDER LINE FOR BAHAY ALUMNI

GENERAL NOTES:

1. The project should be finished in 45 calendar days.
2. Actual site inspection is a must.
3. This set of specifications shall govern the methods of construction and the kinds of materials to be used for the proposed project shown in the plans and detailed drawings.
4. All parts of the construction shall be finished with first class workmanship, to the fullest talent and meaning of the plans and these specifications, and to the entire satisfaction of the project inspector and the end-user.

B. Technical Description

I. Mobilization

A. Mobilization/Demobilization

Provide the following:

1. Billboard with project information
 2. Bunkhouse with office
 3. Temporary comfort rooms
 4. Site temporary enclosure may be blue sack or any suitable materials that may enclose the workplace.
- B. Demobilization** includes cleaning up of site, clearing, hauling and disposal of waste and construction debris. Restoration of any damages shall also be done before exiting the area.
1. The area should be cleared/cleaned before and after the construction work at least ten meters away from the building line. Unusable used components and all other unwanted debris of construction works should be disposed of properly. Notify the end-user regarding the properties that need to be hauled away from the site prior to construction.

II. Earthworks

1. This work includes grabbing of grass and other hindrances in the area

III. Subgrade Preparation

1. This work includes cut and fill for the preparation of parking space.
2. Use grader and compactor for correction and compaction of grade before laying gravel fill.
3. Gravel fill must be at least 3" thick.

V. Electrical works

1. Supply and installation of circuit breaker with NEMA 3R metal enclosure.
 - 225 AT, 300 AF, MCCB, Circuit breaker, 3P, bolt-on type in NEMA 3R metal enclosure. Himel/GE or approved equal.

Note: To be installed at the service entrance pedestal of the Alumni building.
2. Wall chipping for conduit pipe raceway.
3. Supply and installation of conduit pipes, support brackets, pull box and conductor wires from service entrance pedestal of Bahay Alumni Building to existing 3-167 kVA distribution transformer of Gymnasium (approx. 100 linear meter distance).
 - a. Metal conduit, 65 mm. Ø and its fittings. It Includes painting of conduit pipe in accordance with building wall paint.
 - b. Galvanized support brackets.
 - c. 3 sets of 125 sq. mm. THHN copper conductor wires. Phelps dodge or approved equal.
 - d. 1 set 50 sq. mm. (Ground wire) THHN copper conductor wires. Phelps dodge or approved equal.
 - e. Solderless connectors and other miscellaneous accessories.
 - f. Metal pull box 8" x 16" x 16"
 - g. Oval eyebolt and messenger guy wire.
4. Repair and repainting of walls to be chipped.
5. Provide the necessary electrical equipment for the wiring installation.
6. Include tapping to the secondary wire of the distribution transformer, testing,

commissioning and energization of circuit breaker and conductor wires.

- C. Contractor of the said project must provide an as-built plan of the project at the end of the contract as a requirement for the release of their final billing.
- D. Contractor's PCAB license should have specialization in electrical works.
- E. For color/types of any fixtures or materials to be used on site, consult the end-user and the inspector for approval. Consult the plan and the scope of work for the extent of tasks of the contract. If possible, let the end-user sign your sample as proof of approval.
- F. The plans, detailed drawings and these specifications shall be considered as complementing each other, so that what is mentioned or shown in one, although not mentioned or shown in the other, shall be considered as appearing on both. **In case of conflict between the two, generally, the scope of work prevails.**
- G. Resident site engineer is a must for the projects to be undertaken by the contractor of the university. In cases where there are electrical works, it is required that an electrical engineer or a master electrician be a part of the contractor's team to supervise all electrical works. Likewise, master plumbers must supervise plumbing works. It can be considered when only one person is the master plumber and master electrician at the same time as long as his major duty is supervision of both fields. Safety engineer is a must as per DOLE requirement. **Note: All key personnel should be included in the list of personnel for submission.**
- H. In cases of participation in two or more projects, the set of workers and foreman shall be different per project, however, the set of engineers and equipment may be reused.
- I. Construction safety and health program as well as construction schedule (PERT/CPM/S-Curve) shall be provided by the winning bidder.
- J. All public utilities used by the winning contractor in the construction of the project, such as electricity, water, telephone, etc., shall be for the sole account of the contractor.
- K. See plans/consult the end-user and project inspector for details and extent of work. The silence of specifications, plans, special provisions and supplementary specifications as to any detail, or the apparent omission therein of detailed description or definition of the quality of materials and workmanship shall be regarded to mean that only materials and workmanship of first class quality are to be used or employed.