



Republic of the Philippines  
**CAVITE STATE UNIVERSITY**  
 Don Severino delas Alas Campus  
 Indang, Cavite

ADMN-QF-09

## BILL OF QUANTITIES

**CONCRETING OF ROAD AND PARKING AREA AT CENTER FOR POPULATION AND PUBLIC HEALTH UNDER THE COLLEGE OF MEDICINE**

**ABC: ₱ 2,210,793.38**

**COLLEGE/UNIT/CAMPUS: MAIN CAMPUS**

**Bill of Quantities**

Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	PRELIMINARY WORKS (Pesos _____ and _____ centavos)				
II	EARTHWORKS (Pesos _____ and _____ centavos)				
III	SUB GRADE PREPARATION (Pesos _____ and _____ centavos)				
IV	CONCRETE WORKS (Pesos _____ and _____ centavos)				
V	FORMWORKS (Pesos _____ and _____ centavos)				
VI	MISCELLANEOUS WORKS (Pesos _____ and _____ centavos)				
VII	REMOVAL OF TREES (WITH UPROOTING) (Pesos _____ and _____ centavos)				
<b>GRAND TOTAL</b>					_____
<b>Write grand total in words</b>			_____ _____ _____		

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Name of Bidder/Bidder's Representative: \_\_\_\_\_  
 (Signature over Printed Name)

Position: \_\_\_\_\_

Construction Company/Contractor: \_\_\_\_\_

V01-2018-06-14

## **CAVITE STATE UNIVERSITY**

### **SCOPE OF WORK:**

#### **A. CONCRETING OF ROAD AND PARKING AREA AT CENTER FOR POPULATION AND PUBLIC HEALTH UNDER THE COLLEGE OF MEDICINE**

#### **GENERAL NOTES:**

1. The project should be finished in 80 calendar days.
2. Actual site inspection is a must. Verify the actual condition of the site, since there is an existing structure.
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. Preliminary Works**

###### **A. Mobilization**

Provide the following:

1. Billboard with project information
2. Bunkhouse with temporary office
3. Temporary comfort rooms
4. Site temporary enclosure may be blue sack or any suitable materials that may enclose the workplace.
5. It includes cleaning up of site, clearing, hauling and disposal of waste and construction debris before and after the construction work at least six meters away from the building line. Notify the end-user regarding the properties that need to be hauled away from the site prior to construction. All waste materials shall be disposed of by the contractor at his expense.

###### **B. Demobilization**

1. 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.
2. Any excess materials resulting from all earthwork operations not required or unsuitable for backfill as directed by the project inspector, shall be disposed of by the contractor at his expense.

##### **II. Earthworks**

1. This includes grabbing of grass and other hindrances in the area.
2. It also includes digging and levelling of unleveled dirt on the project site.

##### **III. Sub grade Preparation**

1. This work includes excavation and backfilling.
2. Use grader and compactor for correction and compaction of grade before laying gravel fill.
3. Gravel fill must be at least 3" thick.

##### **IV. Concrete Works**

1. Use ready mix concrete. Adopt 3500 psi at 28 days strength of concrete.
2. Construction of retaining wall. Length of retaining wall: 24.0 linear meter. See plan for details.
3. Driveway and parking area should be 150mm thick.
4. Provide 10 mm Ø deformed bars spaced at 0.40m on the center for the driveway.
5. Use deformed bars grade 40.
6. The contractor shall furnish 2 copies of the manufacturer's certificate of mill tests of all reinforcing steel. The contractor shall at his own expense employ an approved testing laboratory which shall conduct testing of all reinforcement sizes of each bulk under the supervision of the project inspector.
7. Reasonable number of tests on the concrete is required by the implementing agency during the progress of the work. Not less than two (2) cylindrical specimens shall be reserved for the 28th day test. The Contractor shall pay for the cost of material testing.
8. Compression and slump tests shall be made for every batch of concrete. 1 set of tests shall be made from any one batch of concrete and all 3 tests shall be made from the

same batch.

**V. Formworks**

1. Provide necessary form lumber for the completion of the project.
2. This work includes painting of two coats of epoxy primer and two coats of QDE black for the perimeter of the parking spaces.

**VI. Miscellaneous Works**

1. Provide 4" x 8" decorative paving blocks. See plan for location.
2. Provide curbs and gutters along the edge of the parking area. See plans for details.
3. Provide 10mm Ø reinforcement bars for curbs and gutters. See attached plans for details.

**Note:** Verify the difference in elevation from the Natural Grade Line in some portions of the curbs and gutters. See plans for details.

**VII. Removal of trees (with uprooting)**

1. This work includes uprooting and removal of trees which serves as obstruction for the project. See plan for the location of trees.

**Note:** It includes one avocado and two betel palm trees.

- C.** 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.
- D.** 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.**
- E.** Resident site engineer is a must for the projects to be undertaken by the contractor of the university. Safety engineer is a must as per DOLE requirement. **Note: All key personnel should be included in the list of personnel for submission.**
- F.** 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.
- G.** Construction safety and health program as well as construction schedule (PERT/CPM/S-Curve) shall be provided by the winning bidder.
- H.** 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.
- I.** 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.