



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

**BILL OF QUANTITIES**

<b>NAME OF PROJECT: CONSTRUCTION OF PARKING SPACE NEAR CAS</b> <b>ABC: ₱ 1,010,278.50</b> <b>COLLEGE/UNIT/CAMPUS: CAS</b>					
<b>Bill of Quantities</b>					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	<b>Mobilization</b> (Pesos _____ _____ and _____ centavos)				
II	<b>Earthworks</b> (Pesos _____ _____ and _____ centavos)				
III	<b>Sub Grade Preparation</b> (Pesos _____ _____ and _____ centavos)				
IV	<b>Concrete Pavement</b> (Pesos _____ _____ and _____ centavos)				
V	<b>Form and Painting Works</b> (Pesos _____ _____ and _____ centavos)				
VI	<b>Miscellaneous Works</b> (Pesos _____ _____ and _____ centavos)				
<b>GRAND TOTAL</b>					_____
<b>Write grand total in words</b>		_____ _____ _____			

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

## **SCOPE OF WORKS:**

### **A. CONSTRUCTION OF PARKING SPACE NEAR CAS**

1. The project should be finished for 45 calendar days.
2. Actual site inspection is a must.
3. The area should be cleared/cleaned before and after the construction work. Unusable used formworks, excessive soil fill and all other unwanted debris of construction works should be disposed properly.

### **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.

#### **II. Earthworks**

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

#### **III. Sub Grade Preparation**

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

#### **IV. Concrete Pavement**

1. Use ready mix concrete.
2. Adopt 3500 psi at 28 days strength of concrete.
3. Driveway and parking area should be 150mm thick.
4. Provide 10mm Ø deformed bars spaced at 0.40m on center for the driveway and parking area.
5. Use deformed bars grade 40.
6. The existing concrete pavement shall have an additional layer of 3" thick concrete.
7. Texturize the surface of the existing concrete pavement to ensure adhesion with the new concrete layer.
8. 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.
9. 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.
10. 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.
11. 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.

#### **V. Formworks and Painting Works**

1. Provide necessary form lumber for the completion of the project.
2. Use two (2) coats of elastomeric paint for marking the parking divisions and labels.

#### **VI. Miscellaneous Work**

1. Provide CHB wall on the perimeter of the parking area. See plan for details and extent of work.

2. CHB should be should be plain cement finish.
  3. Provide plant box for the tree inside the parking area. Adopt the details of CHB wall.
  4. Provide 10mm Ø deformed bars spaced at 0.60m on center for the plant box and CHB wall.
- 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. 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.