



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

BILL OF QUANTITIES

NAME OF PROJECT: CONCRETING OF PARKING SPACE NEAR INANG KALIKASAN ABC: ₱ 2,698,028.75 COLLEGE/UNIT/CAMPUS: MAIN CAMPUS					
Bill of Quantities					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	Mobilization (Pesos _____ _____ and _____ centavos)				
II	Earthworks (Pesos _____ _____ and _____ centavos)				
III	Sub Grade Preparation (Pesos _____ _____ and _____ centavos)				
IV	Concrete Pavement (Pesos _____ _____ and _____ centavos)				
V	Grass Pavement (Pesos _____ _____ and _____ centavos)				
VI	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: _____

SCOPE OF WORKS:

A. CONCRETING OF PARKING SPACE NEAR INANG KALIKASAN

1. The project should be finished in 60 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. Provide necessary form lumber for the completion of the project.
2. Use ready mix concrete.
3. Adopt 3500 psi at 28 days strength of concrete.
4. Driveway and parking area should be 150mm thick.
5. Provide 10mm Ø deformed bars spaced at 0.40m on center for the driveway.
6. Use deformed bars grade 40.
7. 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.
8. 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.
9. 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.
10. 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. Grass Pavement

1. Provide 3" thick sand bedding above the gravel bedding.
2. Use 0.40m x 0.20m grass pavement for the car and bus parking area
3. Use two (2) coats of elastomeric paint for marking the parking divisions and labels.

VI. Miscellaneous Work

1. Provide zocalo on the perimeter of the greens. See plans for details.
2. Provide 10mm Ø vertical bars spaced at 0.60m for zocalo.
3. Remove one (1) existing sidewalk pedestal for entrance of the parking.
4. Remove two (2) spans of steel framing and roofing on the existing sidewalk for

entrance.

5. Use existing pedestal for the new covered entrance.
- 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. 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.
- E. 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.**
- F. 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.**
- G. 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.
- H. Construction safety and health program as well as construction schedule (PERT/CPM/S-Curve) shall be provided by the winning bidder.
- I. 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.
- J. 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.