



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

**BILL OF QUANTITIES**

REPAIR AND IMPROVEMENT OF FOUR STOREY DORMITORY ABC: ₱4,987,529.79 COLLEGE/UNIT/CAMPUS: MAIN CAMPUS			Bill of Quantities		
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	MOBILIZATION (Pesos _____ _____ and _____ centavos)				
II	MASONRY WORKS (Pesos _____ _____ and _____ centavos)				
III	MISCELLANEOUS WORKS (Pesos _____ _____ and _____ centavos)				
IV	ROOFING WORKS (Pesos _____ _____ and _____ centavos)				
V	PLUMBING WORKS (Pesos _____ _____ and _____ centavos)				
VI	PAINTING WORKS (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: \_\_\_\_\_

# **CAVITE STATE UNIVERSITY**

## **SCOPE OF WORK:**

### **A. REPAIR AND IMPROVEMENT OF FOUR-STOREY DORMITORY**

#### **GENERAL NOTES:**

1. The project should be finished in 75 calendar days.
2. There is an existing structure and verification of the actual site is a must.
3. The area should be cleared/cleaned before and after the construction work at least ten meters away from the building line. Unusable used formworks, excessive soil fill and all other unwanted debris of construction works should be disposed properly.

### **B. Technical Description**

#### **I. Earthworks**

##### **A. Site Preparation/ Temporary Enclosure/ Mobilization/ Demobilization/ Office/ Bunkhouses/ Comfort Rooms/etc.**

Provide the following:

- Billboard
- Bankhouse with office
- Temporary comfort rooms
- Site temporary enclosure may be blue sack or any suitable materials that may enclose the workplace

#### **II. Masonry Works**

##### **A. Chipping Works**

1. All existing floor tile materials on the ground and second floor should be dismantled. All dismantled items will be subjected to inventory and inspection by the project inspector/end-user and will be hauled by PPS Personnel.
2. Area should be cleaned after chipping.

##### **B. Tile Works**

1. Supply and installation of ceramic tiles (locally made) 0.40m. x 0.40m. for ground floor and second floor. (Bedroom, hallways and comfort rooms)
2. Supply and installation of ceramic colored tiles 0.30m. X 0.30m. for ground floor and second floor comfort/shower rooms walls. Tiles must be installed for the entire walls. Accent using decorative tiles shall be provided.
3. Tiles must be installed by using tile adhesive and finished with appropriate tile grout.
4. Consult the end user for color preference of tiles.

#### **III. Miscellaneous Works**

##### **A. Dismantling Works**

1. Existing door and door components should be dismantled and disposed properly.
2. Consult the project inspector for the specific door to be dismantled.

##### **B. Doors**

1. Supply and installation of 18 sets (0.90m. x 2.10m.) Steel panel door complete with accessories.
2. Consult the end user for the location of the installation of the doors.
3. Consult the end user for the color preference of doors.

#### **IV. Roofing Works**

1. Supply and installation of canopy on both fixed windows. (See plan for details and specifications)
2. Supply and installation of Ga. 26 (0.5mm thick) Pre-painted rib type roofing sheets.
3. Supply and installation of necessary trusses and lateral framings to support the canopy. Use 2" x 3" tubular steel for framing and 2" x 2" tubular steel for purlins.
4. Use 16 mm Ø expansion bolts for the connection of the roof framing to the concrete.
5. Provide necessary scaffolding for the completion of the project.

#### **V. Plumbing Works**

##### **A. Dismantling Works**

1. All existing water and sewer lines and components should be dismantled and disposed properly.

##### **B. Sewer Lines**

1. Adopt PVC heavy duty orange pipes and fittings.
2. Provide open canal for shower rooms.

C. Water Supply Lines

1. Adopt PPR pipes and fittings for water lines.
  - a. 2" and 1 1/2" Ø for water lines.
  - b. Provide gate valve for every comfort room.
2. Tapping to the source is included.
3. No pipe should be embedded without testing it to leak.

**VI. Painting Works**

ALL SLAB CEILING COMPONENTS OF COMFORT ROOMS SHOULD BE PAINTED.

1. Repair minor surface imperfections with a suitable putty. Let dry, sand then, spot coat with top coat color.
2. Apply two coats of colored factory mixed dirt resisting semi-gloss latex.
3. Apply cementitious waterproofing paint to the water tank room.

**Note: Color of paint will depend upon the preference of the END-USER. Paints and its accessories should be BOYSEN or approved equal.**

- 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. **Note: In the event that discrepancies on plans and scope of work occur, generally, the scope of work prevails.**
- D. 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.**
- E. 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.
- F. Construction safety and health program as well as construction schedule (PERT/CPM/S-Curve) shall be provided by the winning bidder.
- G. 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.