



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

### BILL OF QUANTITIES

REPAIR & IMPROVEMENT OF PHYSICS LABORATORY, INSTRUMENTATION AND CHEMICAL LABORATORY ROOM ABC: ₱ 3,230,747.81 COLLEGE/UNIT/CAMPUS: CAS						Bill of Quantities
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)	
I	EARTHWORKS (Pesos _____ _____ and _____ centavos)					
II	CONCRETE, MASONRY & TILE WORKS (Pesos _____ _____ and _____ centavos)					
III	CARPENTRY & MISCELLANEOUS WORKS (Pesos _____ _____ and _____ centavos)					
IV	ELECTRICAL & PLUMBING WORKS (Pesos _____ _____ and _____ centavos)					
V	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 PHYSICS LABORATORY, INSTRUMENTATION AND CHEMISTRY LABORATORY ROOM**

##### GENERAL NOTES:

1. The project should be finished for 120 calendar days.
2. Actual site inspection is a must.
3. The area should be cleared/cleaned before and after the construction work at least six 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. Mobilization**

1. Provide the following:
  - Billboard
  - Bank house, temporary office and temporary comfort rooms
  - Site enclosure

###### **B. Dismantling and Excavation Works**

1. Dismantling of existing partition, tiles at all comfort rooms, dilapidated ceiling including all ceiling eaves.
2. Excavation for wall footings of plant boxes and zocalo wall of driveway.

##### **II. Concrete, Masonry and Tile Works**

###### **A. Concrete Counter, Partition Wall, Ramp, Driveway and Plant Box**

1. Construction of concrete partition/counter with stainless sink (deep type) at Grid G/4 to 6 at second floor.
2. Construction of concrete partition with stiffener at grid D/4 to 6 at second floor.
3. Construction of concrete partition with stiffener at grid D/4 to 6 at ground floor.
4. Construction of plant boxes, concrete counter for comfort room, ramp and driveway with zocalo wall.
5. Conversion of stock room into comfort room.
6. Provide pebbles #5 for the ramp.

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

1. Supply and installation of ceramic tiles (16" x 16") for the whole flooring of the building
  - 1st and 2nd floor floor (Bio-Tech) except hallway and stairs.
2. Remove and replace all times of comfort room (1st & 2nd floor)
3. Supply and installation of tiles for all counters and for the new comfort room at ground floor.
4. Supply and installation of red bricks for the plant box.

##### **III. Carpentry and Miscellaneous Works**

###### **A. Ceiling Works**

1. Provide ceiling works for 2nd floor (Grid J to A1 and Grid 4 to 7) including eaves.
  - a. Use ¼" thick marine plywood for all other interior ceilings.
  - b. Use 2" x 3" good lumber spaced at 1.20m. for ceiling runner and 2" x 2" good lumber at every 0.40m. for ceiling joist.
  - c. Provide ⅛" x 1" flat bar for ceiling hanger.
2. Provide 3" corneza to all ceiling corners.
3. Provide wood preservative to all wood works.

###### **B. Provide formworks and scaffolding.**

###### **C. Replacement of all dilapidated ceiling board and joist.**

###### **D. Supply and installation of pre-painted spandrel ceiling for the whole eaves.**

###### **E. Supply and installation of the following:**

1. 20 sets of steel door, complete with all accessories
2. 4 sets of aluminum window, complete with all heavy duty accessories on 2" x 4" aluminum jamb; all should be colored powder coated finish; with ¼" thick colored glass.
3. 2" (304) Stainless pipes for the ramp

F. Repair of existing concrete gutter and roofing

#### IV. Electrical and Plumbing Works

##### A. Electrical Works

Supply and installation of the following:

1. 8 units Window type ACU, 2HP Carrier
2. Panel board 8 branches, 2 pole  
1-150AT; 100AF; 240 V; 2P  
8-30AT; 100AF; 240V; 2P
3. Provide feeder line hanger.

Note: Tap to source. **Use THHN stranded 38.2 sq.mm. 3 wires as feeder line (from panel board to secondary line at Molave St. cor. Kamagong S.)**

##### B. Plumbing Works

1. Provide PPR pipes and fittings for all water lines.
2. Supply and installation of gate valve for every comfort room.
3. Supply and installation of stainless faucet for every cubicle of comfort room.
4. 8 sets of stainless laboratory sink (deep type) complete with heavy duty faucet
5. 24 pcs stainless faucets
6. Provide new sewer/water line to all comfort rooms and laboratory sink
7. Remove and replace all water closet, lavatory and faucet.
8. Supply and installation of the following:
  - a. Water closet (13 sets)
  - b. Lavatory (9 sets)

#### V. Painting Works (Repainting of the whole building)

- Exterior and interior walls, ceiling, doors and window jambs, grills and doors
- For painting works:

##### WOOD

1. Apply one coat of flatwall enamel white. Allow to dry overnight.
2. Repair minor surface imperfections using glazing putty. Let dry for 3-4 hours then sand.
3. Apply two coats of Quick Dry Enamel in the desired color. Allow an overnight coating interval.

##### METAL

1. Apply two coats of Quick Dry Enamel in the desired color.

##### CONCRETE

1. Repair minor surface imperfections with suitable putty. Let dry, sand then, spot coat with top coat color.
2. Apply two coats of plant mixed Elastomeric paint as top coat.

**Note: Color of paint will depend upon the preference of end-user. Paint and its accessories to be used shall be Boysen or its approved equivalent.**

C. 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.