



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

**BILL OF QUANTITIES**

REPAIR AND IMPROVEMENT OF GYMNASIUM			Bill of Quantities		
ABC: ₱ 5,052,734.82					
COLLEGE/UNIT/CAMPUS: MAIN CAMPUS					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	EARTHWORKS (Pesos _____ _____ and _____ centavos)				
II	CONCRETE, MASONRY, AND TILE WORKS (Pesos _____ _____ and _____ centavos)				
III	MISCELLANEOUS WORKS (Pesos _____ _____ and _____ centavos)				
IV	CARPENTRY WORKS (Pesos _____ _____ and _____ centavos)				
V	PLUMBING 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 GYMNASIUM

##### GENERAL NOTES:

1. The project should be finished in 90 calendar days.
2. There is an existing structure. Site inspection is a must to verify site condition.
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 (Chipping and Excavation Works)

- A. Excavation/ chipping/ backfilling/ clearing
  1. This work includes excavation of septic tank and sewer lines.
  2. Chipping of all doors and windows.
  3. Chipping and excavation of construction of PWD ramp.
  4. Chipping of all existing tiles at comfort rooms.
  5. Excavation/clearing/declogging of existing open canal.

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

1. Construction of PWD ramp.
2. Construction of one unit septic tank (1.50m x 2.50m x 1.8m)
3. Provide concrete topping for the preparation of tiles.
4. Remove and replace all existing tiles at two comfort rooms at lower ground level.
5. Replacement of all damaged tiles at shower rooms.
6. Supply and installation of tiles with groove for all stairs and ramp.
7. Supply and installation of locally made ceramic tiles to lower and upper floor (all hallways, lobby, stage, balcony & cross aisle) Grid 5 to 7/A to F and Grid 1 to 2/A to F.

##### III. Miscellaneous Works

Supply and installation of the following:

###### A. Doors

- |           |  |
|-----------|--|
| 6.0 sets  | D-2 (2.60m x 2.0m) Aluminum swing door with 10mm. thick brown glass on powder coated aluminum frame with 10mm. fixed glass complete with all accessories |
| 8.0 sets  | D-3 (2.10m x 1.80m) Aluminum swing door with 10mm. thick brown glass powder coated aluminum frame; complete with all accessories                         |
| 16.0 sets | D-4 (2.10m x 0.90m) Steel door with jamb on powder coated finish; complete with all accessories  |
| 6.0 sets  | D-4a (2.10m x 0.90m) Steel door with jamb on powder coated finish; complete with all accessories   |
| 6.0 sets  | D-5 (2.10m x 0.90m) Steel door with jamb on powder coated finish; complete with all accessories  |
| 17.0 sets | D-5a (1.20m x 0.70m) Aluminum door (YP/Buss Body); complete with all accessories   |
| 10.0 sets | Shower curtain; complete with all accessories  |

###### B. Windows

- |          |   |
|----------|---|
| 2.0 sets | W-4 (0.60m x 1.20m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories |
| 5.0 sets | W-5 (0.80m x 3.20m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories |

- 2.0 sets W-6 (1.50m x 1.80m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories
- 9.0 sets W-10 (1.60m x 4.0m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories
- 2.0 sets W-12 (1.80m x 1.80m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories
- 1.0 set W-12a (1.80m x 1.80m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories
- 1.0 set W-13 (1.80m x 4.50m) 1.80m x 1.80m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories
- 3.0 sets W-14 (1.80m x 6.30m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories
- 7.0 sets W-15 (1.80m x 5.40m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories
- 4.0 sets W-16 (1.80m x 3.60m) 1.80m x 1.80m) Aluminum casement window with 6mm. thick brown glass on powder coated aluminum frame and 2" x 4" aluminum jamb; complete with all accessories

C. Repair of existing aluminum casement window (W-1)

D. Roofing works and stainless railing for PWD ramp

- Supply and installation of 6,000 pcs J-bolt for roofing.
- Provide 1.5mm thick (304) stainless tubing for railings. Use 2" & 1" tubing.

#### **IV. Carpentry Works**

1. Provide ceiling works for all office space, comfort rooms at upper floor, dressing rooms, storage, electrical and control room.
  - a. Use metal furring as ceiling runner and ceiling joist at 0.40m. on center both ways.
  - b. Provide 3/16" cement board as ceiling board.
  - c. Provide decorative wooden molding to all ceiling perimeter and corners.
  - d. Provide 3/16" x 1" flat bar coated with primer and paint for ceiling hanger every 1.20m. both ways.

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

A. Water Supply Line (remove and replace all water lines)

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

B. Sewer Line (Remove and replace all sewer lines)

1. Adopt PVC heavy duty orange pipes and fittings (Sanimold type with O-ring or its equivalent) for ventilation and the whole sewer line system including the septic vault fittings.
  - a. Use 4" Ø for main line and water closet.
  - b. Use 2" Ø for lavatory and ventilation.

2. Provide 4" PVC pipe for downspout.
  3. Provide one unit septic tank with pipes extending to the nearest disposal area (Size: 3.0m x 2.0m x 1.50m)
- C. Fixtures (Remove and replace the following fixtures. **Note: All fixtures must be HCG, American Std. or approved equivalent complete with all accessories.**)
1. Provide the following for the comfort rooms:
    - a. Brass floor drain (20 pcs)
    - b. Colored tank type water closet (13 sets)
    - c. Rehabilitation of existing lavatory, including faucet.
    - d. Colored urinal with phenolic partition and ledge with stainless bracket (4 sets)
    - e. American standard made faucets (plain bibb) for every cubicle and counter (34 pcs)
    - f. Shower head and valve (10 sets)
    - g. Water meter (1 set)
  2. Provide four units of concrete counter with tiles (see plan).
- 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.