



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

BILL OF QUANTITIES

CONSTRUCTION OF FOUR STOREY DORMITORY PHASE 1					
ABC: ₱ 10,000,000.00					
COLLEGE/UNIT/CAMPUS: MAIN CAMPUS					
Bill of Quantities					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	EARTHWORKS (Pesos _____ _____ and _____ centavos)				
II	CONCRETE WORKS (Pesos _____ _____ and _____ centavos)				
III	MASONRY/TILE WORKS (Pesos _____ _____ and _____ centavos)				
IV	MISCELLANEOUS WORKS (Pesos _____ _____ and _____ centavos)				
V	CARPENTRY WORKS (Pesos _____ _____ and _____ centavos)				
VI	PLUMBING WORKS (Pesos _____ _____ and _____ centavos)				
VII	ELECTRICAL WORKS (Pesos _____ _____ and _____ centavos)				

VIII	PAINTING 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 WORK:

A. CONSTRUCTION OF FOUR-STOREY DORMITORY PHASE 1

GENERAL NOTES:

1. The project should be finished in 240 calendar days.
2. Actual site inspection is a must.
3. **The works will be from Grid 1 to 5 and grid A to D' (from foundation to second floor level)**

B. Technical Description

I. Earthworks

A. Site Preparation/Temporary enclosure/ Mobilization/ Demobilization/ Office/ Bunkhouse/ Billboard/etc.

B. Clearing, Excavation and Backfilling

1. This work includes excavation for all columns/wall footings, tie beam and septic tank.
2. 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.

II. Concrete Works

A. Cast-in-place concrete

1. Concrete works include footings, columns, slabs, beams, stairs, and all other concrete components needed to complete the structure.
 - Provide lintel beams for the opening of doors and windows.
2. Provide one meter extension of concrete columns, beams and slab.
3. Strength of concrete to be adopted shall be **3,500 psi**.
4. Concrete works should be plain cement finished.
5. Provide necessary tools and equipment needed for concrete works.

B. Steel Reinforcement

1. Use deformed bar grade 40.
2. Provide necessary tools and equipment needed for steel works.

III. Masonry and Tile Works

A. CHB Laying

1. Installation of CHB reinforced with 10mmØ deformed bar spaced at 0.60m on center every three layers.
 - a. CHB 6" for the perimeter/exterior walls and septic tank.
 - b. CHB 4" for interior/partition walls.
 - c. Provide counter lavatory with ceramic tiles in the comfort rooms.
2. Masonry works should be plastered plain cement.

B. Tile Works

Supply and installation of the following:

1. Ceramic tiles (locally made) 0.40m. x 0.40m. for the whole area of ground floor and counter lavatory. Tiles must be accented with dark colors.
2. Ceramic colored tiles 0.40m. x 0.40m. for comfort/shower rooms (floors and walls). Tiles must be installed for the entire floors and walls. Accent using decorative tiles should be provided.
3. Tiles must be installed by using adhesive and finished with appropriate tile grout.
4. Consult the end user for color preference of tiles.

IV. Miscellaneous Works

Supply and installation of the following:

1. Doors

- | | |
|------|---|
| 7.0 | (1.0m. x 2.10m.) powder coated steel flush door complete with all accessories |
| 6.0 | (0.70m. x 1.80m.) Aluminum composite swing type door complete with all accessories (see existing at SUB building) - For Comfort Rooms |
| 11.0 | Shower curtain with stainless rod - For Shower Room |

2. Windows

- | | |
|-----|---|
| 5.0 | W-1 Aluminum casement window with ¼" thick colored glass, complete with all accessories |
| 2.0 | W-3 Aluminum casement window with ¼" thick colored glass, |

complete with all accessories

V. Carpentry Works

1. Provide formworks and scaffolding for the completion of the project.

VI. Plumbing Works

A. Water Supply Line

1. Adopt PPR pipes and fittings for water line.
 - a. 1" and ½" Ø for water line.
 - b. Provide gate valve for every comfort room.
2. Tapping to source is included.
3. No pipe should be embedded without testing it to leak.

B. Sewer Line

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

Note: Maintain a 2% slope on all CR floorings towards the drain.

2. Provide open canal for shower room.

C. Fixtures (All fixtures must be TOTO/HCG/American STD or any approved equal with complete heavy duty fittings and accessories)

1. Provide BRASS floor drains.
2. Adopt colored tank type water closet. (5 sets)
3. Heavy duty hand held spray set for every cubicle and heavy duty faucet for lavatory.
4. Heavy duty shower and valve for every cubicle at shower room (12 sets)
5. Heavy duty faucets (23 pcs)

D. Septic tank

1. Construction of new septic tank (See plan).

VII. Electrical Works

1. Supply and installation of panel board and circuit breakers (Bolt-on type, Nema standard should be used)
 - 1 unit panel board MPD, 18 branches, 3P
 - Main 150AT, 150AF, 3P, 240V
 - 4-15AT; 7-20AT; 7-30AT
2. Supply and installation of conductors and PVC conduit/ junction box/ utility box from main panel to convenience outlet/ lighting outlet
 - a. PVC conduit orange pipe.
 - b. Utility and junction boxes should be PVC and deep type.
3. Supply and installation of electrical fixtures/ switches/ outlets/ and other electrical devices:
 - a. Switches (Bticino, National or its equivalent)
 - b. Convenience and weather proof outlets (Bticino, National or its equivalent)
 - c. A/C outlets (Bticino, National or its equivalent)
 - d. LED bulb 11W (17 sets)
 - e. LED bulb 7W (5 sets)
 - f. Emergency light (3 sets)
4. Construction of service entrance post.
5. Tap to the source and testing.
6. Consult plan for details and extent of works.

VIII. Painting Works (INTERIOR ONLY)

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

- 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.