



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

BILL OF QUANTITIES

CONSTRUCTION OF ADMINISTRATION BUILDING PHASE 1 AT CARMONA CAMPUS ABC: ₱ 9,059,099.42 COLLEGE/UNIT/CAMPUS: CARMONA 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 WORKS (Pesos _____ _____ and _____ centavos)				
IV	CARPENTRY WORKS (Pesos _____ _____ and _____ centavos)				
V	TRUSSES AND ROOFING WORKS (Pesos _____ _____ and _____ centavos)				
VI	ELECTRICAL AND PLUMBING WORKS (Pesos _____ _____ and _____ centavos)				
GRAND TOTAL					_____
Write grand total in words					_____ _____ _____

Submitted by: _____ Date: _____
 Name of Bidder/Bidder's Representative: _____
 Position: _____
 Construction Company/Contractor: _____

CAVITE STATE UNIVERSITY

SCOPE OF WORK:

A. CONSTRUCTION OF ADMINISTRATION BUILDING PHASE 1 AT CARMONA CAMPUS

GENERAL NOTES:

1. The project should be finished for 240 calendar days.
2. Actual site inspection 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 work should be disposed properly.
4. Mobilization
 - a. Billboard
 - b. Bank house, temporary office and temporary comfort rooms
 - c. Site enclosure

B. Technical Description

I. Dismantling, Chipping and Clearing and Excavation Works

A. Excavation / backfilling / clearing

1. This work includes excavation for all column/ wall footings and tie beams.

C. Additional fill and soil poisoning

1. Provide additional fill
2. The area within the specified grid of the proposed building should be termite proofing.
3. Gravel fill = 0.05 m. thick

II. Concrete Works

Concrete works include columns, footings, stiffener columns, slab, beams, stairs, roof beams, gutter, lavatory counters, ledge/canopy and all other concrete components needed to complete the structure. Provide lintel beams for the opening of doors and windows.

A. Cast-in-place concrete

1. Strength of concrete to be adopted shall be **3,500 psi**.
2. Concrete works should be plain cement finished.
3. 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.
3. See plan for details and extent of work.

III. Masonry Works

A. CHB Laying

1. Installation of CHB reinforced with 10 mm. Ø deformed bar spaced at 0.60 m on center every 3 layers.
 - a. CHB 6" for the perimeter/ exterior walls
 - b. CHB 4" for interior/partition walls
2. Masonry works should be plastered plain cement.

IV. Carpentry Works Works

1. Provide necessary form lumber and scaffolding for the completion of the project.

V. Trusses and Roofing Works

A. Trusses:

1. See plans for sizes of bar and other details for the installation of steel trusses.
2. This work also includes painting of two (2) coats of epoxy primer and two (2) coats of Quick Dry Enamel black.
3. Provide necessary tools and equipment.
4. All joint connections should be fully welded.
5. Use CEE purlins ga. 16, 2" x 5" at 0.70 m. on center.
6. Provide 12 mm. Ø plain bar with standard turnbuckle for horizontal cross bracing
7. Provide 4-16 mm. Ø anchor bolts with nut and washer for each support.
8. Provide 12 mm. Ø with nut and washer for sag rod.

B. Roofing:

1. Adopt gauge 26 (0.50 mm.) rib type pre-painted roof sheet.
2. Adopt gauge 26 x 18 pre-fabricated and pre-painted ridge roll.
Note: roofing sheets and ridge roll should be extended to a length of 1.0 m.
3. All attachment for roofing sheet and ridge roll shall be 2 ½" teckscrew for metal.
4. Provide water sealant for all attachment

VI. Electrical and Plumbing Works

A. Rough - in only

1. Installation of conduit pipes with guide wire / junction box/ utility box from main panel to convenience outlet/ light outlet (see electrical plan)
 - a. PVC conduit orange pipe with guide wire
 - b. Utility and junction boxes should be PVC and deep type
2. Consult plan for details and extent of works.
3. Adopt PVC heavy duty orange pipes and fittings for downspout and sewer line system.
 - a. Use 4" Ø for main line, water closet
 - b. Use 2" Ø for lavatory, floor drain and ventilation

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.