



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

**BILL OF QUANTITIES**

**UPGRADING OF NCRDEC COFFEE PRODUCT DEVELOPMENT FACILITY**  
**ABC: ₱ 4,492,065.70**  
**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 & MASONRY WORKS (Pesos _____ _____ and _____ centavos)				
III	TILE WORKS (Pesos _____ _____ and _____ centavos)				
IV	CARPENTRY WORKS (Pesos _____ _____ and _____ centavos)				
V	MISCELLANEOUS WORKS (Pesos _____ _____ and _____ centavos)				
VI	PLUMBING WORKS (Pesos _____ _____ and _____ centavos)				
VII	ELECTRICAL WORKS (Pesos _____ _____ and _____ centavos)				

VIII	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. UPGRADING OF NCRDEC COFFEE PRODUCT DEVELOPMENT FACILITY

##### GENERAL NOTES:

1. The project should be finished for 60 calendar days.
2. Actual 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

###### A. Mobilization

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

###### B. Excavation/backfilling/chipping

1. This work includes excavation for all footings.
2. Chipping of existing windows, slab and comfort rooms.

##### II. Concrete and Masonry Works

###### A. Cast-in-place concrete

1. Concrete works include columns, footings, stiffener columns, slab, and all other concrete components needed to complete the structure.
  - Provide lintel beams for the opening of windows and doors.
2. Concrete mixture should be 1:2:4 / class A.
3. Provide CHB #4 for the proposed partition walls.
4. Concrete and masonry work should be plain cement finished.

##### III. Tile Works

1. Supply and installation of locally made ceramic tiles for the whole flooring.
  - a. 16" x 16" for the whole flooring
  - b. 12" x 12" for all comfort rooms.
2. Use tile adhesive for all tiles.
3. Provide necessary tools and equipment needed for concrete and masonry works.

##### IV. Carpentry Works

1. Provide necessary form lumber and scaffolding needed for the completion of the project.
2. Provide ceiling works for the whole roofing.
  - a. Use marine plywood 1/4" thick for ceiling board and metal furring for ceiling joist for interior.
  - b. Use cement board 3/16" thick for ceiling board with metal furring for ceiling joist of eaves.
3. Provide dry wall partitions.
  - a. Use cement board 1/4" thick for walls with metal studs and trucks.

##### V. Miscellaneous Works

###### A. Supply and installation of the following:

###### 1. Doors

- |      |      |  |
|------|------|--|
| 1.0  | set  | D-1 Steel door complete with all accessories; with powder coated finish. |
| 10.0 | sets | D-2 Steel door complete with all accessories; with powder coated finish. |
| 1.0  | set  | D-3 Aluminum door (YP/Buss. body)  |

###### 2. Windows

- |      |      |  |
|------|------|--|
| 15.0 | sets | W-1 Aluminum casement window complete with all accessories with 1/4" thick clear glass on colored powder coated finish aluminum framing; with 10mm square bar grills |
| 2.0  | sets | W-2 Aluminum casement window complete with all accessories with 1/4" thick clear glass on colored powder coated finish aluminum framing; with 10mm square bar grills |
| 1.0  | set  | W-3 Aluminum casement window complete with all accessories with 1/4"   |

thick clear glass on colored powder coated finish aluminum framing; with 10mm square bar grills

3. Plastic screen
  - a. Provide plastic screen ½" x ½" with 12mm deformed bar framing for the whole roof ventilation.

## VI. Plumbing Works

### A. Water Supply Line

1. Adopt PPR pipes and fittings for water line
  - a. ½" Ø for water line.
2. Tapping to the source is included.
3. No pipe should be embedded without testing it to leak.

### B. Sewer Line and Down spout

1. Adopt PVC heavy duty orange pipes and fittings (sanimold type with O-ring or its equivalent)
  - a. Use 4" Ø for main line and water closet.
  - b. Use 2" Ø for lavatory and ventilation.

### c. Fixtures

1. Provide the following for the comfort rooms:
  - a. Brass floor drain (1 pc)
  - b. Colored tank type water closet and lavatory  
Note: All fixtures must be **HCG, American STD, Toto** or approved equivalent.
  - c. Provide concrete counter lavatory with tiles and heavy duty faucet.
  - d. Provide heavy duty faucet near water closet.
  - e. 1 - pc Mirror (1m. x 0.60m.)

## VII. Electrical Works (remove and replace all electrical system)

1. Supply and installation of panel board and circuit breakers. (Note: Bolt-on type, Nema standard should be used)
2. Supply and installation of conductors and PVC conduit/junction box/utility box from main panel to convenience outlet/light 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 outlets (Bticino, National or its equivalent)
  - c. 2-T5 LED fluorescent lamp with diffuser (46 sets)
  - d. LED Pinlight 9W (22 sets)
  - e. Emergency light (twin head) 6 units
4. Supply and installation of the following:
  - a. Three units transformer 100 kva (brand new) including all its accessories
  - b. Three units (45 ft) electrical post and its accessories
  - c. Two units (40 ft) electrical post and its accessories
  - d. Three-lines high tension wire (ACSR 1/0 with insulator) with messenger wire from existing lines to the new transformer (3-80 meters)
  - e. Three-lines secondary lines (100 sq.mm. stranded) with messenger wire (3-60 meters)
  - f. Include testing and commissioning.
  - g. Consult inspectors for details and extent of work.

## VIII. Painting works (Painting of the whole building)

**Note:** Color paint will depend upon the preference of the end-user. Paints and its accessories should be **BOYSEN** or 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.