



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

BILL OF QUANTITIES

IMPROVEMENT OF IMUS CAMPUS ABC: 1,336,118.36 COLLEGE/UNIT/CAMPUS: IMUS CAMPUS			Bill of Quantities		
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I. CONSTRUCTION OF COVERED WALK					
	A. EARTHWORKS (Pesos _____ _____ and _____ centavos)				
	B. CONCRETE AND MASONRY WORKS (Pesos _____ _____ and _____ centavos)				
	C. TRUSSES AND ROOFING WORKS (Pesos _____ _____ and _____ centavos)				
	D. ELECTRICAL WORKS (Pesos _____ _____ and _____ centavos)				
	E. PAINTING WORKS (Pesos _____ _____ and _____ centavos)				
II. IMPROVEMENT OF COVERED COURT					
	A. EARTHWORKS (Pesos _____ _____ and _____ centavos)				
	B. CONCRETE AND MASONRY WORKS (Pesos _____ _____)				

	_____ and _____ centavos)				
	C. ROOFING WORKS (Pesos _____ _____ and _____ centavos)				
	D. PAINTING WORKS (Pesos _____ _____ and _____ centavos)				
III. SUPPLY AND INSTALLATION OF TWO UNITS STAINLESS ARCH					
	A. INSTALLATION OF TWO UNITS STAINLESS ARCH WITH SIGNAGE (Pesos _____ _____ and _____ centavos)				
	B. ROOFING AT GUARDHOUSE (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. IMPROVEMENT OF IMUS CAMPUS

GENERAL NOTES:

1. The project should be finished for 45 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.
4. Mobilization
 - a. Provide the following:
 1. Billboard
 2. Bank house, temporary site enclosure and temporary comfort rooms
 3. Site enclosure

B. Technical Description

I. Construction of Covered Walk

A. Earthworks

1. Excavation/ Chipping/ Backfilling/ Clearing
 - a. This work includes excavation for column/ wall footings.
 - b. This work also includes excavation, levelling, filling, and compaction of the base of the sidewalk.
 - Provide base coarse for correction and filling of soft base.
 - c. Gravel fill = 0.05m thick

B. Concrete and Masonry Works

1. Concrete and Masonry

- a. This work includes concreting of columns/ wall footings and columns.
- b. Concreting of sidewalk (L = 63.0 meters, W = 2.5 meters, T = 0.10 meters)
 - Sidewalk should be finished with red cement and paver-like markings.
 - Use 10mm Ø reinforcement for sidewalk spaced at 0.40m. both ways.
 - Sidewalk should be installed with CHB #5 thick on south sides along with its width.
- c. Strength of concrete to be adopted should be 3,000 psi at 28 days.
- d. Concrete moulding for every column.
- e. Concrete and masonry works should be plain cement finish. Concrete pedestal should be finished brick pattern.
- f. Provide necessary tools and equipment.

2. Steel Reinforcement

- a. Use deformed bar grade 33.
- b. Provide necessary tools and equipment needed for steel works.
- c. See plans for the details and extent of work.

C. Trusses/ Rafters and Roofing Works (for the covered walk)

1. Supply, fabrication and installation of the following:

- a. 4" and 3" G.I. pipe S-40 for post
- b. 2 & ½" G.I. pipe S-40 for rafters
- c. 2" G.I. pipe S-40 for bracing
- d. 1 & ¾" G.I. pipe S-40 for lateral frame
- e. 2" x 2" (2.0) galvanized tubular bar for purlins
- f. Provide ¼" x 2" angle bar for cleats.
- g. All joint connections should be fully welded.
- h. Curved rib type roofing sheet (0.5mm)
- i. All attachments for roofing sheets must be 2 & ½" teck screw

D. Electrical Works

Supply and installation of the following:

1. Installation of wiring/ conductors and PVC conduits/ junction and utility boxes
 - 3.50 mm THHN stranded wire (phelp dodge or approved equal)
 - PVC conduit orange pipe (20 mm min.)
 - Utility and junction boxes should be PVC and deep type
2. 16 sets of waterproof outdoor lighting LED, 11W (every other post)

3. 1 set of breaker, 15AT, 2P, 240V, CB (single)
 4. Testing and commissioning of electrical system. Tapping to the source is included.
- E. Painting Works (painting for the whole structure)
1. Metal
 - a. Apply epoxy primer with catalyst zinc chromate primer by brush or by spray. Allow to dry for 24 hours.
 - b. Apply a suitable putty on imperfections. Sand to a smooth finish.
 - c. Apply at least two coats of QDE in the desired color.
 2. Concrete
 - a. Treat the surface with concrete neutralizer.
 - b. Apply latex flat as primer. Repair minor imperfections with a suitable putty.
 - c. Apply at least two coats of dirt resistant semi gloss latex paint (factory mixed).
- Note: Color of paint will depend upon the preference of the end-user. Paints and its accessories shall be Boysen or its approved equal.**
- F. See plans for the details and extent of work.

II. Improvement of Covered Court

- A. Earthworks
1. Excavation/ Chipping/ Backfilling/ Clearing
 - a. This work includes excavation for column/ wall footings.
 - b. Provide base coarse for correction and filling of soft base.
 - c. Gravel fill = 0.05m thick
- B. Concrete and Masonry Works
1. Concrete and Masonry
 - a. This work includes concreting of column footings, columns and pathwalk.
 - b. Strength of concrete to be adopted shall be 3,000 psi at 28 days.
 - c. Concrete pathwalk (25.0m x 1.0m x 0.10m)
 - d. Concrete and masonry works should be plain cement finish.
 - e. Provide necessary tools and equipment needed for concrete and masonry works.
 2. Steel Reinforcement
 - a. Use deformed bar grade 33
 - b. Provide necessary tools and equipment needed for steel works
 - c. See plans for the details and extent of work.
- C. Trusses/ Rafters and Roofing Works
1. Supply, fabrication and installation of the following:
 - a. 4" G.I. pipe S-40 for post
 - b. Provide 1/4" x 2" and 1/4" x 1 & 1/2" angle bar for framing
 - c. 2" x 2" (2.0) galvanized tubular bar for purlins
 - d. All joint connections should be fully welded.
 - e. Rib type roofing sheet (0.5mm)
 - f. Pre-painted fascia cover (0.5mm)
 - g. Stainless gutter (0.5mm)
 - h. All attachments for roofings sheets shall be 2 & 1/2" teck screw
- D. Painting Works (painting for the whole structure)
1. Apply epoxy primer with catalyst zinc chromate primer by brush or by spray. Allow to dry for 24 hours.
 2. Apply a suitable putty on imperfections. Sand to a smooth finish.
 3. Apply at least two coats of QDE in the desired color.
- Note: Color of paint will depend upon the preference of the end-user. Paints and its accessories shall be Boysen or its approved equal.**
- E. See plans and specifications for details and extent of work.

III. Supply and Installation of Stainless Arch

- A. Miscellaneous Works
1. Supply and installation of two units stainless arch with signage
 - Signage must be made of stainless steel mirror finish 1/16" thickness, 12" height x 6" width, in proportion on 2 & 1/2" stainless pipe (304) frame with **CAVITE STATE UNIVERSITY - IMUS CAMPUS** with university logo

2. Supply and installation of roofing at guard house

- Use 2" x 2" galvanized tubular with pre-painted roofing sheet.

- 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.