



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

BILL OF QUANTITIES

NAME OF PROJECT: REPAIR AND IMPROVEMENT OF OLD COLLEGE LIBRARY BUILDING (FOR GAD OFFICE) ABC: PhP 1,768,483.06 COLLEGE/UNIT/CAMPUS: CvSU- Indang Campus					
Bill of Quantities					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I.	EARTHWORKS (Pesos _____ and _____ centavos)				
II.	CONCRETE/MASONRY/TILE WORKS (Pesos _____ and _____ centavos)				
III.	CARPENTRY WORKS (Pesos _____ and _____ centavos)				
IV.	MISCELLANEOUS WORK (Pesos _____ and _____ centavos)				
V.	ELECTRICAL WORKS (Pesos _____ and _____ centavos)				
VI.	PLUMBING WORKS (Pesos _____ and _____ centavos)				
VII.	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: _____

V01-2018-06-14

Scope of Work:

A. REPAIR AND IMPROVEMENT OF OLD COLLEGE LIBRARY BUILDING (FOR GAD OFFICE)

1. The project should be finished for 90 calendar days.
2. Actual site inspection is a must.

B. Technical Description

I. Earthworks

A. Site Preparation/Temporary Enclosure/Mobilization/Demobilization/Office/Bankhouses/etc.

1. Installation of temporary enclosure around the site.
2. Construction/Installation of temporary offices, bunk houses, CR , warehouse & other amenities.

B. Demolition, Restoration and Excavation / backfilling /clearing

1. This work includes excavation for installing water and sewer lines and one unit septic tank.
2. Removal/Dismantling of existing tiles, ceiling, partition, water and sewer lines and all fixtures of comfort rooms. Removed/unwanted materials shall be filed and hauled to the designated place.
3. The area should be cleared/cleaned before and after the construction work. Unusable used formworks, excessive soil fill and all other unwanted debris of construction works should be disposed properly.

II. Concrete, Masonry and Tile Works

A. Concrete works

1. Concrete works include footings, pedestal columns of electrical post.

B. CHB laying

1. CHB 4" for interior partition walls of all comfort rooms, wall @ grid B and the support of concrete counter ; also use CHB 6" for septic tank.
 - a. Installation of CHB reinforced with 10 mm 0 deformed bar spaced at 0.60 m. on center every three layers.
2. Masonry works should be plastered plain cement .
3. Retouching works for all concrete and masonry works affected by the repair works.

C. Tile Works

Supply and installation of the following for the comfort room: (There are 3 units Comfort Room @ Lower Ground)

1. Ceramic colored floor tiles 0.30 m x 0.30 m. for all comfort rooms at lower ground floor.
2. Granite colored tiles for the whole wall area (from flooring to ceiling with accent colors). Please see / take note of the existing CR @ Administration Building.
3. Tiles must be installed by using tile adhesive and finished with appropriate tile grout.
4. Consult the end user for color preference of tiles.

III. Carpentry Works

1. Provide necessary form lumber and scaffolding needed for the completion of the project.
2. Provide ceiling works for all comfort rooms.
 - a. Use cement board 1/4" thk. for ceiling board.
 - b. Use metal furring as ceiling runner/joist.
 - c. Provide decorative wooden molding to all ceiling corner.
 - d. Provide 3/16" x 1" flat bar coated with primer and paint for ceiling hanger every 1.20 m. both ways.
3. Provide restoration works for all partitions. Used/removed partition walls shall be re-installed for grids F-J / 1-3 of the lower ground.

IV. Miscellaneous Works

Supply and Installation of the following:

1. Doors

- 1.0 set D-1 Glass swing door with 10 mm. thick brown glass on powder coated aluminum frame, with 10 mm.thk. fixed glass, complete with all accessories
- 5.0 sets D-2 Steel door with powder coated finished, complete with all accessories.
- 6.0 sets D-3 Flush wooden door complete with all accessories

2. Windows

1. Repair of all existing windows and replacement of all broken window glasses.

V. Electrical Works

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-T8 LED flourescent lamp w/ diffuser (17 sets)
 - d. 7W LED bilb (4 sets)
 - e. Emergency light (4 sets)
4. Supply and Installation of airconditioning units
 - a. 1 unit of Window type aircondition (0.50 HP)
 - b. 5 units of Window type aircondition (1.0 HP)
 - c. 6 units of Window type aircondition (1.50 HP)
 - d. 1 unit of Window type aircondition (2.0 HP)
5. Supply and Installation of 3" G.I.pipe (sch.40) for post with porcelain spool insulator with rack (3 pcs.)
- THWN stranded wire, phelp dodge or approved equal.
6. Supply and Installation of 2 - 30 mm. sq. THHN stranded wire with 5.5 mm. THHN stranded wire ground
7. Consult plan for details and extent of works.
8. Tap to the source. (From GAD building to Kamagong St. cor. Molave St.)

VI. Plumbing Works

A. Water Supply Line

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

B. Sewer Line

1. Remove and replace all existing sewer lines, including the sewer line of the upper ground floor.
2. Adopt PVC heavy duty orange pipes and fittings (Sanimold type with O-ring or its equivalent)
 - a. Use 4"0 for main line and water closet.
 - b. Use 2"0 for lavatory and ventilation.

C. Fixture

1. Provide the following for the comfort rooms:
 - a. Brass floor drain
 - b. Colored tank type water closet, urinal and wall hung lavatory.
Note: All fixtures must be HCG, American Std, Toto or approved equivalent
 - c. American standard made faucets (plain bibb) for every cubicle and lavatory.
 - d. Twin tub stainless kitchen sink with two faucet, complete with all accessories.

VII. Painting Works

The whole lower ground floor should be painted (both exterior & interior) including door and windows.

WOOD

1. Apply one coat of flatwall enamel white. Allow to dry overnight.
2. Repair minor surface imperfection with glazing putty. Let dry then sand.
3. Apply at least two coats of Quick Dry Enamel in the desired color. Allow an overnight intercoating interval.

METAL

1. Apply epoxy primer by brush or spray. Allow to dry for 24 hours. Apply suitable putty on imperfections, then, sand.
2. Apply at least two coats of Quick Dry Enamel in the desired color.

CONCRETE

1. Treat the surface with concrete neutralizer. Mix one part with 16 parts water by volume.
2. Apply Latex flat as primer. Repair minor surface imperfections with a suitable putty. Let dry, then sand.
3. Apply at least two coats of colored dirt resisting semi gloss latex paint (factory mixed).

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

VIII. See plans/consult the end-user and project inspector for details and extent of work. The silence of specification, 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.