



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

BILL OF QUANTITIES

NAME OF PROJECT: IMPROVEMENT OF STUDENT UNION BUILDING					
ABC: PhP 6,558,553.41					
COLLEGE/UNIT/CAMPUS: 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.	MISCELLANEOUS WORK (Pesos _____ and _____ centavos)				
IV.	CARPENTRY WORKS (Pesos _____ and _____ centavos)				
V.	TRUSSES & ROOFING 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: _____

V01-2018-06-14

Scope of Work:

A. IMPROVEMENT OF STUDENT UNION BUILDING

1. The project should be finished for 120 calendar days.
2. Site inspection is a must to verify site condition.

B. Technical Description

I. Earthworks

A. Excavation/Backfilling/Chipping

1. This work includes excavation for all footings and septic tank.
2. Chipping of existing gutter for intallation of downspout (40 pcs.)
3. The area should be cleared 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.

B. Additional fill

1. Provide additional fill for the covered waiting area.
2. Gravel fill = 0.05 m. thick

II. Concrete, Masonry and Tile Works

A. Concrete, masonry and tile works

1. Concrete works include columns, footings, stiffener columns, slab, plant boxes and all other concrete components needed to complete the structure.
2. Concrete mixture should be 1:2:4 / class A
3. Provide CHB #4 for the proposed partition walls.
4. Provide concrete pathwalk with 4" CHB zocalo at cavered waiting area.
5. Concrete and masonry works should be plain cement finished.
6. Supply and installation of locally made ceramic tiles for the following:
 - a. 16" x 16" for the whole flooring of Performing Arts Group Area, Registrars)Office & Staff Cubicle, Student Org. Offices, Choir Practice Area, Costume Storage and Office of student affairs.
 - b. 12" x 12" for all comfort room.
7. Supply and installation of granite slab for the counters.
8. Remove all vinyl tiles at practice studio and supply and installation of laminated wood flooring.
9. Provide necessary tools and equipment needed for concrete and masonry works.
10. See plan for details and extent of work.

III. Miscellaneous Works

A. Supply and Installation of the following:

1. Doors

- | | | |
|------|------|--|
| 4.0 | sets | D-1 Aluminum frame door complete with all accessories with 3/8" thk. clear glass on colored powder coated finish aluminum framing. |
| 4.0 | sets | D-2 Panel door complete with 1/4" thk. clear glass view window complete with all accessories. |
| 9.0 | sets | D-3 Steel door complete with all accessories; with powder coated finish. |
| 1.0 | set | D-4 Steel door complete with all accessories; with powder coated finish. |
| 13.0 | sets | D-5 Phenolic door complete with all accessories; with heavy duty barrel bolt. |

2. Windows

- | | | |
|-----|-----|--|
| 1.0 | set | W-1 Aluminum fixed counter window complete with all accessories with 3/8" thk. clear glass on colored powder coated finish aluminum framing. |
| 1.0 | set | W-2 Aluminum fixed counter window complete with all accessories with 3/8" thk. clear glass on colored powder coated finish aluminum framing. |
| 1.0 | set | W-3 Aluminum casement window compite with all accessories with 1/4" thk. clear glass on colored powder coated finish aluminum framing. |
| 1.0 | set | W-4 Aluminum fixed window complete with all accessories with 1/4" thk. clear glass on colored powder coated finish aluminum framing. |
| 1.0 | set | W-5 Aluminum fixed window complete with all accessories with 1/4" thk. clear glass on colored powder coated finish aluminum framing. |

Note: Provide grills for W1, W2 & W3 see plan

IV. Carpentry Works

1. Provide necessary form lumber and scaffolding needed for the completion of the project.
2. Provide ceiling works for the following:
 - a. Storage, Office of Student Affairs, Deans Office, Lounge, Hallways and All Comfort rooms.
-Use cement board 1/4" thk. for ceiling board with good lumber for ceiling joist.
3. Provide dry wall partition @ office of student affairs and deans office.
-Use cement board 1/4" thk. for walls with metal furrings.
4. Provide laminated wood flooring @ practice studio.
-Use laminated wood flooring.

V. Trusses & Roofing Works (for covered waiting area)

A. Trusses:

1. See plans for sizes of pipes 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 4" @ 0.60 m. on center.

B. Roofing:

1. Adopt gauge 26 (0.5 mm.) curved type pre-painted roof sheet.
2. All attachment for roofing sheet and ridge roll shall be 2 1/2" teckscrew for metal.
3. Provide water sealant for all attachment (water sealant should be provided for both inside and outside surface of teckscrew head).

VI. Plumbing Works

A. Water Supply Line

1. Adopt PPR pipes and fittings for water line.
 - a. 1/2" o for water line
 - b. Provide 2- gate valve for every comfort room and one main gate valve outside the building.
2. Tapping to the source is included. (Provide P.E. hose 1/2" from C.R. to S.M. Rolle Hall)
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) for ventilation, downspout and the whole sewer line system including the septic vault fittings.
 - a. Use 4" o for main line and water closet.
 - b. Use 2" o for lavatory and ventilation.
 - c. Use 4" o for down spout (42 units)

C. Fixture

1. Provide the following for the comfort rooms:
 - a. Brass floor drain (30 pcs.)
 - b. Colored tank type water closet
Note: All fixtures must be **HCG, American Std, Toto** or approved equivalent
 - c. Provide concrete lavatory counter with tiles and heavy duty faucet.
 - d. Heavy duty faucet for every cubicle and lavatory. (30 pcs.)
 - e. 6 - pcs. Mirror (1 m. x 2.0 m.)

VII. 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. 2-18W (4') LED flourescent lamp w/ diffuser (137 sets)
 - d. LED Pinlight 9W (46 sets)
 - e. Emergency light (twin head) 15 units
4. Supply and Installation of the following:
 - a. Three units transformer 100 kva (brand new) including all its accessories.
 - b. Four units (45 ft.) electrical concrete post and its accessories.
 - c. Three - lines high tension wire (**ACSR 1/0 with insulator**) with messenger wire from existing lines to the new transformer. (3 - 135 mtrs.)
 - d. Include testing and commissioning.
 - e. Consult inspectors for details and extent of work.

VIII. Painting Works (PAINTING OF THE WHOLE BUILDING)

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

IX. 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.