



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

BILL OF QUANTITIES

IMPROVEMENT OF BACoor CAMPUS (REPAIR OF FIVE-STOREY MAIN BUILDING) 2nd POSTING ABC: ₱ 8,000,000.00 COLLEGE/UNIT/CAMPUS: CvsU BACoor CAMPUS					
				Bill of Quantities	
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	DISMANTLING AND CHIPPING WORKS (Pesos _____ _____ and _____ centavos)				
II	TILE WORKS (Pesos _____ _____ and _____ centavos)				
III	FIRE PROTECTION WORKS (Pesos _____ _____ and _____ centavos)				
IV.	ELECTRICAL 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. IMPROVEMENT OF BACCOOR CAMPUS (REPAIR OF FIVE-STOREY MAIN BUILDING)

GENERAL NOTES:

1. The project should be finished in 180 calendar days.
2. Actual site inspection is a must.

B. Technical Description

I. Dismantling and Chipping Works

A. Mobilization/Demobilization

Provide the following:

- Billboard
- Bunkhouse with office
- Temporary comfort rooms
- Site temporary enclosure may be blue sack or any suitable materials that may enclose the workplace.

II. Tile Works (Fourth Floor only)

1. Supply and installation of homogenous 16" X 16" floor tiles for the whole fourth floor. Tiles must be accepted with dark color.
2. Replacement of all floor/wall tiles of all comfort rooms on the fourth floor.
 - Provide 24" x 24" non skid ceramic tiles for flooring and 12" x 24" for walls.
 - Provide 24" x 24" ceramic tiles for concrete counters.
3. Consult the end user for color preference of tiles.

III. Fire Protection Work (Ground Floor to 5th Floor)

1. Supply and installation of the following:
 - a. 1 unit cistern tank (2m x 4m x 2m)
 - b. 1 unit Fire Pump (30.0 HP)
 - c. 1 unit Jockey Pump (5.0 HP)
 - d. 1 unit Stainless water tank, Capsule type with partition
Thickness: 1.20m; Length: 2.54m; Diameter: 2.20m
 - e. Sprinkler system and its accessories
 - 1057 pcs pendant type sprinkler
 - f. Adopt PPR pipes (PN 20) and fittings for cistern tank and stainless water tank.
 - Supply and installation of 50mm PPR pipes with 2 pcs stop valve from source to cistern tank
 - Use 50mm Ø from cistern tank to stainless water tank

IV. Electrical Works (4th floor to 5th floor)

- Dismantling of electrical devices/equipment needed to be replaced.
- Chipping works for electrical wiring/conduit raceways.
- Supply and installation of the following:
 1. Panel boards and circuit breakers (Refer to plan for ratings and specifications).
Note: Bolt-on type, Nema standard should be used.
 2. Feeder Line including all its accessories (from source to MDP)
 3. Electrical cable tray complete with all accessories.
 4. Wiring conductors, PVC conduit, junction box, utility box from main panel to convenience outlet/ light outlet.
 - a. THHN stranded copper wire. Phelps Dodge or approved equal. Refer to the schedule of loads for proper color coding of conductor wires.
 - b. PVC conduit orange pipe
 - c. Utility and junction boxes should be PVC and deep type.
 - d. Support brackets, hangers, rods and clamps.
 5. Electrical fixtures/ switches/ outlets and other electrical devices. Refer to plan for the exact location and count of electrical fixtures/switches/outlets/devices/equipment.
 - a. Switches (Bticino, National or its equivalent)
 - b. ACU and Convenience outlets (Bticino, National or its equivalent)
 - c. 2-18W (4") LED Fluorescent lamp with diffuser
 - d. 100W LED high bay lamp
- Repair/restoration and re-painting of concrete walls.

- Consult plans and inspectors for details and extent of work.
- C. Contractor of the said project must provide an as-built plan of the project at the end of the contract as a requirement for the release of their final billing.
- D. Contractor's PCAB license should have specialization in electrical works.
- E. Contractor of the project must provide at least 1 boom/basket truck during the execution of electrical works.
- F. For color/types of any fixtures or materials to be used on site, consult the end-user and the inspector for approval. Consult the plan and the scope of work for the extent of tasks of the contract. If possible, let the end-user sign your sample as proof of approval. **Note: In the event that discrepancies on plans and scope of work occur, generally, the scope of work prevails.**
- G. Resident site engineer is a must for the projects to be undertaken by the contractor of the university. In cases where there are electrical works, it is required that an electrical engineer or a master electrician be a part of the contractor's team to supervise all electrical works. Likewise, master plumbers must supervise plumbing works. It can be considered when only one person is the master plumber and master electrician at the same time as long as his major duty is supervision of both fields. Safety engineer is a must as per DOLE requirement. **Note: All key personnel should be included in the list of personnel for submission.**
- H. In cases of participation in two or more projects, the set of workers and foreman shall be different per project, however, the set of engineers and equipment may be reused.
- I. Construction safety and health program as well as construction schedule (PERT/CPM/S-Curve) shall be provided by the winning bidder.
- J. 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.