



BILL OF QUANTITIES

REPAIR AND IMPROVEMENT OF ROLLE HALL (2nd POSTING)			Bill of Quantities		
ABC: ₱ 1,158,158.10					
COLLEGE/UNIT/CAMPUS: MAIN CAMPUS					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	MOBILIZATION (Pesos _____ _____ and _____ centavos)				
II	SCRAPING & DISMANTLING WORKS (Pesos _____ _____ and _____ centavos)				
III	CARPENTRY WORKS (Pesos _____ _____ and _____ centavos)				
IV	PAINTING WORKS (Pesos _____ _____ and _____ centavos)				
V	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. **REPAIR AND IMPROVEMENT OF ROLLE HALL (2nd POSTING)**

GENERAL NOTES:

1. The project should be finished in 45 calendar days.
2. Actual site inspection is a must.
3. This set of specifications shall govern the methods of construction and the kinds of materials

to be used for the proposed project shown in the plans and detailed drawings.

4. All parts of the construction shall be finished with first class workmanship, to the fullest talent and meaning of the plans and these specifications, and to the entire satisfaction of the project inspector and the end-user.

B. Technical Description

I. Mobilization

A. Mobilization/Demobilization

Provide the following:

1. Billboard with project information
 2. Bunkhouse with office
 3. Temporary comfort rooms
 4. Site temporary enclosure may be blue sack or any suitable materials that may enclose the workplace.
- B. Demobilization includes cleaning up of site, clearing, hauling and disposal of waste and construction debris. Restoration of any damages shall also be done before exiting the area.

II. Scraping & Dismantling Works

1. This work includes the dismantling of existing ceiling components inside the building and removal of existing boards inside the building.
2. Removal/retirement of existing electrical equipment needed to be replaced.
3. Removal of existing pin lights.
4. Scraping of old paints. Remove all chalky surface , loose paint, dirt and other contaminants by wire brushing or by using paint remover.
5. The area should be cleared/cleaned before and after the construction work at least ten meters away from the building line. Unusable used components and all other unwanted debris of construction works should be disposed of properly. Notify the end-user regarding the properties that need to be hauled away from the site prior to construction.

III. Carpentry Works

1. This work includes the supply and installation of ceiling components in replacement for the dismantled ceiling components.
2. This work also includes the supply and installation of ceiling components in comfort rooms and other rooms
3. Use metal furring as ceiling runner and ceiling joist at 0.40 m. on center both ways.
4. Use 1" concrete nail for fastening wall angle at concrete.
5. Use 0.60 mm x 19 mm x 50 mm x.60 mm thick J-furring as ceiling joist, parallel to the longer side of the room spaced at 40 mm on center.
6. Use 1 mm x 12 mm x 38 mm x1 mm thick C-channel as ceiling joist, parallel to the shorter side of the room spaced at 40 mm on center.
7. Use 0.55 mm x 12 mm x 38 mm x .55 mm thick C-channel as ceiling hanger every 800 mm middle on center
8. Use 3/16" thick X 1.20m x 2.4 m acoustic board for ceiling boards
9. Provide necessary scaffolding for the completion of the project.
10. This work includes the supply and installation of WPC Wall Cladding in replacement of dismantled board on the wall .
11. This work includes replacement of destroyed acoustic boards for ceiling inside the building
12. Consult the end user or project inspector for the other scope and technical details of the project.

IV. Painting Works.

1. This work includes total repainting of the whole structure except for the roofing.
2. Provide necessary form lumber and scaffolding needed for the completion of the project
3. For painting of Wood:
 - a. Apply one coat of flatwall enamel white. Allow dry overnight.
 - b. Repair minor surface imperfection with glazing putty. Let dry for 3-4 hours then sand.
 - c. Apply two coats of semi-gloss enamel in the desired color. Allow an overnight intercoating interval.

4. For painting of Metal:
 - a. Apply zinc chromate primer by brush or spray. Allow to dry for 24 hours. Apply suitable putty on imperfection. Sand to a smooth finish
 - b. Apply two coats of quick dry enamel in the desired color.
5. For painting of Concrete:
 - a. Apply skim coat as primer. Repair minor surface imperfections with a suitable putty. Let dry, then sand. Spot coat with top coat.
 - b. Apply two coats of colored elastomeric paint or factory mixed dirt resisting semi-gloss latex
 - c. This work includes repainting the flooring of the entrance and main hall with two coats of Aqua Epoxy Primer.

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

V. Electrical Works

1. Supply and Installation of circuit breaker to MDP including the tapping/connection to the source.
 - 2-20 AT/50 AF/ 2P/230V MCCB

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. uPVC electric wire moulding.
 - c. Utility and junction boxes should be PVC and deep type.
 - d. THHN stranded wire, Phelps dodge or approved equal.
 3. Supply and Installation of electrical fixtures/switches and other electrical devices in accordance with the plan.
 - a. Chandelier lighting with =>2000 mm. to 3000 mm. (H) x 800 mm. diameter (3 sets).
 - b. Remove and replace existing pin lights (4 sets) and install new pin lights (6 sets).
 4. Include testing and commissioning.
 5. Consult inspectors for details, approval of electrical equipment 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.** 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.
- E.** The plans, detailed drawings and these specifications shall be considered as complementing each other, so that what is mentioned or shown in one, although not mentioned or shown in the other, shall be considered as appearing on both. **In case of conflict between the two, generally, the scope of work prevails.**
- F.** 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.**
- G.** 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.
- H.** Construction safety and health program as well as construction schedule (PERT/CPM/S-Curve) shall be provided by the winning bidder.
- I.** All public utilities used by the winning contractor in the construction of the project, such as electricity, water, telephone, etc., shall be for the sole account of the contractor.
- 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.