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

BILL OF QUANTITIES

REPAIR AND IMPROVEMENT OF ROLLE HALL
ABC: ₱1,158,158.10 **Bill of Quantities**
COLLEGE/UNIT/CAMPUS: MAIN CAMPUS

Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	MOBILIZATION (Pesos _____ _____ _____ and _____ centavos)				
II	SCRAPING AND 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

GENERAL NOTES:

1. The project should be finished in 45 calendar days.
2. There is an existing structure and verification of the actual site is a must.
3. The area should be cleared/cleaned 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 works should be disposed properly.

B. Technical Description

I. Mobilization

A. Site Preparation/ Temporary Enclosure/ Mobilization/ Demobilization/ Office/ Bunkhouses/ Comfort Rooms/etc.

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. 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. The area should be cleared before and after the construction work at least ten meters away from the building. Unusable ceiling components and ceramic tiles should be disposed properly.
3. Consult the end user or project inspector for the other scope and technical details of the project.

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 thk. 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 acusting 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.

A. Wood

1. Apply one coat of flatwall enamel white. Allow dry overnight.
2. Repair minor surface imperfection with glazing putty. Let dry for 3-4 hours then sand.
3. Apply two coats of semi-gloss enamel in the desired color. Allow an overnight intercoating interval.

B. METAL

1. Apply zinc chromate primer by brush or spray. Allow to dry for 24 hours. Apply suitable putty on imperfection. Sand to a smooth finish.
2. Apply two coats of quick dry enamel in the desired color.

C. CONCRETE

1. Repair minor surface imperfections with a suitable putty.Let dry. sand

then spot coat with top coat.
2. Apply two coats of colored elastomeric paint or factory mixed dirt resisting semi-gloss latex.
3. Apply two coats of Acqua Epoxy Primer on the flooring of the structure.
4. This work includes repainting of flooring of the social hall with Acqua Epoxy Primer specifically the entrance and the main hall

   Note: Color of paint will depend upon the preference of the end-user. Paints and its accessories to be used shall be Boysen brand or approved equal.

V. Electrical Works

1. Dismantling of existing electrical equipment and devices need to be replaced.
2. 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.
3. Supply and Installation of copper conductor wires and PVC conduit, junction box,utility box and AMCO box from main distribution panel to convenience outlet/light outlet.
   a. PVC conduit orange pipe.
   b. uPVC electric wire moulding.
   c. Utility, AMCO and junction boxes should be PVC.
   d. THHN stranded copper wire, Phelp dodge or approved equal. See schedule of load for the proper color coding of conductor wires.
   e. Support brackets, Hangers and clamps.
4. Supply and Installation of electrical fixtures/switches and other electrical devices in accordance with the plan.
   a. Chandelier lighting with specification indicated in the plan (3 sets).
   b. Remove and replace existing pin lights (4 sets) and install new Pin lights (6 sets).
5. Include testing and commissioning.
6. 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. **Note: In the event that discrepancies on plans and scope of work occur, generally, the scope of work prevails.**

E. 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.**

F. 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**.**

G. Construction safety and health program as well as construction schedule (PERT/CPM/S-Curve) shall be provided by the winning bidder.

H. 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.