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

BILL OF QUANTITIES

REPAIR AND IMPROVEMENT OF CvSU IMUS CAMPUS MAIN BUILDING
ABC: ₱ 2,214,384.21 **Bill of Quantities**
COLLEGE/UNIT/CAMPUS: IMUS CAMPUS

Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	MOBILIZATION (Pesos _____ _____ _____ and _____ centavos)				
II	TILE WORKS (Pesos _____ _____ _____ and _____ centavos)				
III	ROOFING WORKS (Pesos _____ _____ _____ and _____ centavos)				
IV	CARPENTRY WORKS (Pesos _____ _____ _____ and _____ centavos)				
V	MISCELLANEOUS WORKS (Pesos _____ _____ _____ and _____ centavos)				
VI	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: _____

SCOPE OF WORK:

A. REPAIR AND IMPROVEMENT OF CvSU IMUS CAMPUS MAIN BUILDING

GENERAL NOTES:

1. The project should be finished in 120 calendar days.
2. There is an existing structure. Site inspection is a must to verify site condition.

B. Technical Description

I. Earthworks

1. This work includes clearing of site before and after construction. The area should be cleared/cleaned before and after construction work at least ten meters away from the building line. Notify the end-user regarding the properties that need to be hauled away from the site prior to construction.
2. This work also includes the following:
    a. Site preparation
    b. Temporary enclosure
    c. Mobilization and Demobilization
    d. Office/Bunk house, etc.

II. Tile Works

1. This work includes the supply of **100 pcs.** of 40cm x 40cm ceramic tiles on the building.
2. Coordinate with the end user regarding the turnover of the materials.

III. Roofing Works

1. This work includes the installation of new roof eaves. See plan for the location of roof eaves. Use pre-painted roofing sheets. For the roof framing/trusses, use 2" x 3" galvanized tubular steel. For the purlins, use 1 ½" x 2" galvanized tubular steel. For the connection of the roofing sheets to purlins, use tek screws.
2. This work also includes the installation of pre-painted flashing on the specified part of the building. See plan for the location of flashing.
3. Apply epoxy primer by brush or spray. Allow to dry for 24 hours. Sand to a smooth finish.
4. Apply two coats of Quick Dry Enamel in the desired color.
5. Provide necessary tools and equipment for the completion of the scope of work.
6. Consult the project inspector regarding the technical details of the scope of work.

IV. Carpentry Works

1. This work includes the installation of new ceiling components for the whole area of the function hall and the side of the ground floor. See plan for the location of the installation of ceiling.
2. This work also includes the installation of a pre-painted spandrel ceiling on the ground floor of the building. Consult the project inspector/end user regarding the location of the installation of ceiling.
3. Use 6mm thk. fiber cement board for ceiling boards.
4. Use metal furring as ceiling runner and ceiling joist spaced at 0.40m. on center both ways.
5. Provide ceiling cornice or decorative wooden moulding to all ceiling perimeter and corners.
6. Provide rod suspension hanger for every 1.20m both ways.
7. Provide necessary tools and equipment for the completion of the scope of work.

V. Miscellaneous Works

1. Doors

a) Supply and installation of **2.0 sets** of D-1 Double swing glass doors complete with all accessories with 3/8" thick colored glass on powder coated aluminum frame finish.

2. Minor Repair and Restorations

a) This work includes the restoration of doors and windows on the function hall. Repair damaged hinges, door knobs, window handles, etc.
b) This work also includes the installation of new glass on broken windows and

glass doors.
c) Consult the project inspector regarding the technical details of the scope of work.

3. Window grills

a) This work includes the installation of window grills on the SMART classroom building.
b) Use 10mm. square bar welded on a 1/4" x 1" flat bar framing
c) Window grills must be painted with primer before applying quick dry enamel.
d) Provide necessary tools and equipment for the completion of the scope of work.
e) Consult the project inspector regarding the technical details of the scope of work.

VI. Painting Works

1. Concrete/Masonry

a) This work includes the repainting of the entire interior and exterior concrete/masonry component of the function hall.
b) Repair minor surface imperfections with skim coat. Let dry, sand then, spot coat with top coat color.
c) Apply two coats of colored factory mixed dirt resisting semi-gloss latex.

2. Ceiling/Carpentry

a) This work includes the painting of **ALL** newly installed ceiling components in the building.
b) Apply one coat of flatwall enamel white. Allow to dry overnight.
c) Repair minor surface imperfection with glazing putty. Let dry then sand.
d) Apply at least two coats of Quick Dry Enamel in the desired color. Allow an overnight intercoating interval.

3. Metal/Roofing

a) This work includes the repainting of **ALL** existing roofing sheets on the building.
b) Apply red oxide primer by brush or spray. Allow to dry for 24 hours. Apply suitable putty on imperfections.
c) Apply at least two coats of Quick Dry Enamel in the desired color.

4. Waterproofing

a) This work includes the application of cementitious waterproofing on the specified area of the building. See plan for the location of the waterproofing.
b) Surface should be clean, free from oil, grease, dirt, any loose grit or mortar. Wet masonry surfaces first with water before applying mix to avoid abrupt drying and cracking of the applied modified cement, especially under hot and sunny conditions.
c) Mix 6.5 to 7.5 kgs. of cement to 4 liters of cementitious waterproofing.
d) Mix only enough material to prevent waste.

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

C. 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.**

D. 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.**

E. 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**.**

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

G. 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.