



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

BILL OF QUANTITIES

| NAME OF PROJECT: CONSTRUCTION OF BIOSAFETY LEVEL II GREENHOUSE AT RESEARCH CENTER (PHASE I) ABC: ₱ 86,419.52 COLLEGE/UNIT/CAMPUS: RESEARCH CENTER | | | | | |
|--|--|------|----------|---------------------------|----------------|
| | | | | Bill of Quantities | |
| Item No. | Description | Unit | Quantity | Unit Price (Pesos) | Amount (Pesos) |
| I | EARTHWORKS (Pesos _____ _____ and _____ centavos) | | | | |
| II | FORMWORKS, CONCRETE AND MASONRY WORKS (Pesos _____ _____ and _____ centavos) | | | | |
| III | 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: _____

A. CONSTRUCTION OF BIOSAFETY LEVEL II GREENHOUSE (PHASE I)

1. The project must be finished in 25 working days.
2. Actual site inspection is a must.
3. The area should be cleared before and after the construction work at least twelve meters away from the job site. Unusable formworks, excessive soil fill and all other unwanted debris of installation works should be disposed properly.

B. TECHNICAL DESCRIPTION

I. Earthworks

1. Site Clearing and Grubbing
 - a. This work will include clearing and grubbing of the proposed area of the greenhouse.
 - b. Compacting and leveling of grounds.
2. Excavation of Footing and Wall Footing
 - a. This work will include all footing including wall footing and floor slab
 - b. Backfill

II. Formworks, Concrete and Masonry Works

1. Formworks
 - a. Use only specified materials for formworks
2. Concrete works
 - a. Cast-in-place concrete
 - a.1. See attached plan details and reference
 - a.2. Adapt Class B concrete mixture
 - a.3. Concrete works should be free from honeycomb upon turn-over
 - a.4. Provide necessary tools and equipment needed for concrete works.
 - a.5. All concrete works must be plain cement finished.
 - a.6. Concrete flooring dimension: 100mm (thk) x 1.0m (W) x 13.0m (L)
3. Masonry Works
 - a. CHB Laying
 - a.1. Adapt class B mortar and plaster mixture to all masonry works
 - a.2. All masonry works must be plain cement finished.
 - a.3. Masonry wall height is 2 feet.
4. Reinforcement
 - a. Provide 4-12mm Φ RSB as transverse bar for footing.
 - b. Provide 2-10mm Φ RSB as transverse bar for wall footing
 - c. Use 10mm Φ RSB for dowels and stirrups
 - d. Provide 10mm Φ RSB as vertical reinforcement spaced at every 800mm and horizontal reinforcement spaced at every 600mm.

III. Electrical Works

1. Roughing-in
 - a. Installation of power supply for lighting fixtures, convenience outlets and exhaust fan.
 - b. Installation of 4-hole panel board.
 - c. Tap to existing source.
2. Electrical Fixtures
 - a. Installation of lighting fixtures, convenience outlets and wiring devices.
 - b. Installation of wall-type exhaust fan.

III. Note

1. See / consult end-user for details / extent of work. The silence of specification, plans, special provision and supplementary specifications as to any detail, or the apparent omission therein of a 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.
2. All works will be facilitated by the contractor.
3. All tools and equipment necessary for executing the work will be provided by the

contractor / PPS Office.

4. Works that are necessary but are not cited in the above specifications will be facilitated by PPS Office.
5. Materials that are necessary but are not included in the above program of works will be provided by the end-user.
6. No modifications will be done without the approval of end-user, project inspector and implementor.
7. Verify actual measurement on-site.
8. See attached plan for details and reference.