



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

ADMN-QF-09

BILL OF QUANTITIES

REPAIR AND IMPROVEMENT OF GREEN HOUSE AT CENTRAL EXPERIMENTAL STATION - 2nd Posting					
ABC: ₱ 2,063,061.00			Bill of Quantities		
COLLEGE/UNIT/CAMPUS: MAIN CAMPUS					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	ROOFING WORKS (Pesos _____ _____ and _____ centavos)				
II	FORMWORKS AND SCAFFOLDING (Pesos _____ _____ and _____ centavos)				
III	PAINTING WORKS (Pesos _____ _____ and _____ centavos)				
GRAND TOTAL					_____
Write grand total in words		_____ _____ _____			

Submitted by: _____ Date: _____

Name of Bidder/Bidder's Representative: _____
 (Signature over Printed Name)

Position: _____

Construction Company/Contractor: _____

CAVITE STATE UNIVERSITY

SCOPE OF WORK:

A. REPAIR AND IMPROVEMENT OF GREEN HOUSE AT CENTRAL EXPERIMENT STATION - 2nd Posting

GENERAL NOTES:

1. The project should be finished in 30 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. Roofing Works

A. Mobilization/ Demobilization

Provide the following:

1. Billboard with project information
2. Bunkhouse with temporary office
3. Temporary comfort rooms
4. Site temporary enclosure may be blue sack or any suitable materials that may enclose the workplace.
5. It includes cleaning up of site, clearing, hauling and disposal of waste and construction debris.
6. Any excess materials resulting from all earthwork operations not required or unsuitable for backfill as directed by the project inspector, shall be disposed of by the contractor at his expense.

C. Dismantling Works

1. Removal of existing greenhouse net.

D. Clearing the Site

1. All such unsuitable materials shall be removed from the building site and spread uniformly over the areas adjacent to the proposed building, or otherwise disposed of as may be directed by the project inspector in charge of the construction.
2. 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.

E. Roofing Works

1. Adopt clear solid polycarbonate with 4' x 100' x 4.5mm thick.
2. Adopt 3" x 1.5" x 0.5mm thick C-purlins for framing, with 0.60m spacing in both directions.
3. The roofing or solid polycarbonate should be fixed to the framing using metal screws.
4. Provide purlin cleats. Use 1" x 1" x 1/4" thick.
5. Provide clear sealant for all attachments and connections. Water sealant should be provided for both inside and outside surfaces of the teckscrew head.
6. Provide aluminum flatbar 1/8" x 2" x 16' for the joint connections.
7. Use rubber tape for all joint connections.
8. All steel connections must be fully welded.
9. Consult the project inspector for the other scope and technical details of the project.

II. Formworks and Scaffolding

1. Provide necessary form lumber and scaffolding needed for the completion of the project.
2. Consult the project inspector for the other scope and technical details of the project.

III. Painting Works

A. The whole new structure should be painted both exterior & interior.

B. Wood

1. Apply one coat of polyurethane varnish sealer. Allow to dry overnight.
2. Repair minor surface imperfection with glazing putty. Let dry then sand.
3. Apply at least two coats of polyurethane varnish topcoat. Allow an overnight intercoating interval.

D. Metal

1. Apply epoxy primer by brush or spray. Allow to dry for 24 hours. Apply suitable

V01-2018-06-14

- putty on imperfections.
2. Apply at least two coats of Quick Dry Enamel in the desired color.
- E. Concrete
1. Treat the surface with concrete neutralizer. Mix one part with 16 parts water by volume.
 2. Apply skim coat as primer. Repair minor surface imperfections with a suitable putty. Let dry, then sand.
 3. Apply at least two coats of colored dirt resistant semi gloss latex paint (factory mixed).
- 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.
- D. 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.**
- E. Resident site engineer is a must for the projects to be undertaken by the contractor of the university. 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. 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.
- I. 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.