



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

BILL OF QUANTITIES

UPGRADING OF NCRDEC COFFEE PRODUCT DEVELOPMENT FACILITY (Supply and Installation of Power Supply) ABC: ₱2,488,251.56 Bill of Quantities COLLEGE/UNIT/CAMPUS: MAIN CAMPUS					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	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. UPGRADING OF NCRDEC COFFEE PRODUCT DEVELOPMENT FACILITY (Supply and Installation of Power Supply)

GENERAL NOTES:

1. The project should be finished in 30 calendar days.
2. Site inspection is a must to verify its existing condition.
3. Provide the following:
 - Billboard
 - Bankhouse with office
 - Temporary comfort rooms
 - Site temporary enclosure may be blue sack or any suitable materials that may enclose the workplace.
4. 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. Electrical Works

A. Supply and installation of the following:

1. Three units pole mounted distribution transformers 13.8kV, 100 kVA (brand new) including all its accessories.
2. Five sets of 45 ft. electrical concrete pole and its pole dressing, insulators, guy supports, grounding system and accessories .
3. Three-line 13.8kV primary wires (**ACSR 1/0 covered/insulated conductor**) from existing lines to the new transformer.
4. Three-line 230V secondary wires (**100 mm² THHN 99.9% pure copper conductor wire**) with messenger wire and accessories. (From NCRDEC to wet coffee processing).
5. Include energization, testing and commissioning.
6. Tap to the NCRDEC Facility Building and Wet Coffee Processing Building.
7. Consult inspectors for details and extent of work.

Note: Electrical testing and guarantee, electrical supervision and final electrical inspection report should be signed and sealed by Professional Electrical Engineer with notary public.

- C. Building permits, necessary clearances and other government taxes should be shouldered and settled by the contractor.
- D. Contractor should have a PCAB license with a specialty in electrical works.
- E. 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.
- F. 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.
- G. 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.**
- H. 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.**
- I. 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.
- J. Construction safety and health program as well as construction schedule (PERT/CPM/S-Curve) shall be provided by the winning bidder.
- K. 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.