



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

BILL OF QUANTITIES

IMPROVEMENT OF ELECTRICAL SYSTEM OF GYMNASIUM (Negotiated Procurement – Two Failed Biddings)				Bill of Quantities	
ABC: ₱ 6,679,467.31					
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. IMPROVEMENT OF ELECTRICAL SYSTEM OF GYMNASIUM (Negotiated Procurement – Two Failed Biddings)**
(REWIRING OF THE WHOLE BUILDING AND SUPPLY AND INSTALLATION OF THREE UNITS TRANSFORMER)

GENERAL NOTES:

1. The project should be finished in 60 calendar days.
2. There is an existing structure. Site inspection is a must to verify site condition. Site temporary enclosure may be sack or any suitable materials that may enclose the workplace.
3. This work includes rewiring of the whole building and supply and installation of transformers.
4. Consult inspectors for details and extent of work.

B. Technical Description

I. Electrical Works

1. Remove and replace all electrical wirings and its accessories.
 - a. All dismantled materials should be piled and hauled to the designated place.
 - b. All areas affected by the repair works shall be restored/ retouched.
 2. Supply and installation of the following:
 - a. Three units transformers 167 kVA (brand new) including all its accessories (shall be certified by the supplier that the transformers to be installed are brand new.).
 - b. One unit electrical concrete post and its accessories (length: 45').
 - c. Supply and installation of all panel boards with circuit breakers needed to complete the electrical system of the Gymnasium including feeder lines. Bolt-on type Nema Std. must be installed. Connect/Use the existing secondary post.
 - d. Include testing and commissioning (Present certification).
 - e. Panel boards enclosure shall be powder coated and can be locally made as long as it is of international standard and best quality
 - f. Color coding on wires shall be used for 3-Phase.
 3. Supply and installation of conductors and PVC/RSC conduit/ junction box/ utility box from main panel to convenience outlet/ light outlet and AC outlet.
 - a. PVC conduit orange pipe for lower ground and RSC for upper.
 - b. Utility and junction boxes should be PVC and deep type.
 - c. THHN stranded wires with sizes indicated on the plan (Phelp dodge or its approved equal).
 - d. Provide cable tray for the installation of PVC/RSC.
 4. Supply and installation of electrical fixtures/ switches/ outlets and other electrical devices.
(Note: Use Bticino, National or its equivalent)
 - a. Switches
 - b. A/C and Convenience outlets (with ground)
 - c. UFO high bay 200W 6,000K 220V, 22,000 lm beam angle 90 degrees (9 units)
 - d. UFO high bay 150W 6,000K 220V, 16,500 lm beam angle 90 degrees (16 units)
 - e. UFO high bay 100W 6,000K 220V, 10,500 lm beam angle 90 degrees (46 units)
 - f. High bay IP 65 alum. gear box with metal halide lamps alum. dome 16" with LED 15W bulb (68 units)
 - g. 4" round recessed vertical, center frosted glass with LED bulb 7W (132 pcs)
 - h. 4" Round surface vertical, open type with LED bulb 7W (127 sets)
 - i. Electric meter and its accessories (1 unit)
 - j. Emergency light; twin head (7 units)
- 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. 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.