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

BILL OF QUANTITIES

IMPROVEMENT OF ELECTRICAL SYSTEM OF GYMNASIUM – 2nd POSTING
ABC: ₱ 6,679,467.31 **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. IMPROVEMENT OF ELECTRICAL SYSTEM OF GYMNASIUM (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.
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.
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).
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. 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. 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.