

Section VIII. Bill of Quantities

Contract Reference Number: IB No. 2023-24

Name of Contract: Electrical Works for College of Dentistry Building (Proposed Substation and Feeder)

Location of the Project: West Visayas State University

Calendar days: 60

Item No.	Item Description	Qty.	Unit	Unit Price	Total Price
A.	TRANSFER OF 3 - 167 KVA SUB STATION INCLUDING BANKING				
01	Wire, 250 mm ² copper ., THHN, strd.	80	meters		
02	Link, fuse, 8 A, good quality	3	sets		
03	Cut Out & Lightning Arrester , 15 kv	3	sets		
04	Wire, No. 2 AWG copper, 15 KV XLPE, power cable, grounded, copper ribbon shielded, 100% insulation	60	meters		
05	Termination Kit, suitable for terminating , good quality	2	sets		
06	No. 33 , High voltage splicing electrical tape, 18mm, good quality	6	rolls		
07	No. 23 , High voltage splicing electrical tape, 18mm, good quality	6	rolls		
08	No. 70 , Self fusing silicon rubber electrical tape, good quality	6	rolls		
09	Rubber electrical tape, No. 33, good quality	3	rolls		
10	Copper terminal lug for No. 2 cu wire. (Close end)	3	pcs		
11	Soldering paste, non corrosive, good quality	2	ft		
12	Nicolite 50/50	1	tube		
13	Wire, No. 8, cu., THHN, strd.	40	meters		
14	Tape, plastic, electrical, big	10	pcs		
15	Wire, No. 6, cu., THHN, strd.	50	meters		
16	KWHR Meter (approved by the Energy Regulatory Commission and considered most accurate) - KV2C , CT Rated - Form 48A	1	sets		
17	Primary line materials	1	lot		
18	Current Transformer (Compatible or comparable specification with the existing transformer subject to confirmation with the power distribution provider upon award of the contract)	1	pcs		
19	kw hr meter box	1	pcs		
20	Cable tie 12"	3	pack		
	Sub Total				
	Add : Labor Cost				
	Remove existing banking of 3 - 167 kva Dist. Transformer at Admin Building				
	Transfer 3 - 167 kva transformer from existing location to new location				
	Install Cut out & Lightning arrester				
	connect to the existing primary line				
	Termination of 6 terminal of Power Cable of 3 - 167 kva				
	Banking of Primary of 3-167 kva Dist. Transformer				
	Banking of Secondary of 3-167 kva Dist. Transformer				
	Feeder from Transformer to Main Circuit Breaker				
	Add : Equipment Rental				
	One Unit Crane				
	TOTAL DIRECT COST				
	INDIRECT COST				
	Mobilization / Demobilization (5% of Direct Cost)				
	Overhead, PEE, Contengencies & Profit (15% of Direct Cost) ----				
	T A X (10% of Direct Cost)				
	Total Indirect Cost				
	TOTAL DIRECT & INDIRECT COST				
B.	MAIN DISCONNECT SWITCH , AUTOMATIC TRANSFER SWITCH & FEEDER TO DENTISTRY BUILDING				
1	1600 A , 3PDT , 240 V 130 kaic @ 240 V Main Circuit Breaker	1	set		
	AUTOMATIC TRANSFER SWITCH (ATS)				
	* with Light Indicator				
	* with Digital Metering PM 3				
	* with ground terminal in NEMA 1 Enclosure				
2	Main Disconnect Switch - 1600 A/1600AF ,3P ,240V	1	assy		
	130kaic @ 230 V (Fuse Type)				

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3	125 mm ² THHN copper wire	375	meters		
4	Three Spool Sec Rack with spool	8	sets		
5	Solderless Connector 250 mm	6	pcs		
6	Concrete Pole 25 footer	3	pcs		
7	Pole line materials	1	lot		
8	Electrical tapes	1	lot		
9	Consumables & accessores	1	lot		
	Sub Total -----				
	Add: Labor Cost -----				
	Add: Equipment Rental -----				
	TOTAL DIRECT COST -----				
	INDIRECT COST -----				
	Mobilization / Demobilization (5% of Direct Cost) -----				
	Overhead, PEE, Contengencies & Profit (15% of Direct Cost) -----				
	T A X (10% of Direct Cost) -----				
	Total Indirect Cost -----				
	TOTAL DIRECT & INDIRECT COST -----				
	TOTAL BID PRICE				

Name of Bidder: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____