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BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: REPAIR/ REHABILITATION/ RETROFITTING/RENOVATION/REPLACEMENT AND EXPANSION OF EXTENSION BUILDING SERVICES
LOCATION: CatSU Main Campus, Virac, Catanduanes
ITEM No. XXVII.B
DESCRIPTION: WIRES AND WIRING DEVICES
TOTAL QUANTITY: 1
UNIT: lumpsum

Table A: LABOR. Columns: No. of Person, No. of Days, Daily Rate, Amount. Rows: Electrical Foreman, Skilled Electrician, Laborer. Sub-Total for A (Cost of Labor) -

Table B: EQUIPMENT. Columns: No. of Units, No. of Hours, Hourly Rate, Amount. Row: Minor tools (10% of Labor). Sub-Total for B (Cost of Equipment Rental) -

Table C: Total (A+B)
Table D: Output per hour
Table E: Direct Unit Cost (C + D)

Table F: Materials. Columns: Unit, Quantity, Unit Cost, Amount. Lists various electrical materials like electric wire, switches, outlets, and tape with their respective units and costs. Sub-Total for C (Material Cost) -

Summary table with columns G-L: Direct Unit Cost, Overhead, Contingencies & Misc. (OCM), Contractor's Profit, VAT, ITEM TOTAL, TOTAL UNIT COST. Includes formulas like (E + F), 4% of G, 8% of G, 5% (G + H + I), (G + H + I + J), (K / Total Qty).

Signature

in the capacity of

Duly authorized to sign the Bid and on behalf of

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 LOCATION: CatSU Main Campus, Virac, Catanduanes  
 ITEM No. XXVII.C  
 DESCRIPTION: PANEL BOARDS AND CIRCUIT BREAKERS  
 TOTAL QUANTITY: 1  
 UNIT: lumpsum

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Registered Master Electrician				
	Skilled Electrician				
	Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Minor tools (10% of Labor)				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Total (A+B)				
D.	Output per hour				
E.	Direct Unit Cost (C + D)				

F.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Materials</b>				
	MDP	lump sum	1.00		
	Main: 2 - 500AT, 600AF, 3P, 240V 65KAIC MCCB				
	w/ Mechanical Interlock				
	Branches:				
	3 - 70AT / 100AF, 3P, 240V, 22KAIC, Bolt-on MCCB				
	3 - 100AT / 100AF, 3P, 240V, 22KAIC, Bolt-on MCCB				
	2 - 150AT / 250AF, 3P, 240V, 42KAIC, Bolt-on MCCB				
	1 - 200AT / 250AF, 3P, 240V, 42KAIC, Bolt-on MCCB				
	1 - 250AT / 250AF, 3P, 240V, 42KAIC, Bolt-on MCCB				
	Dead front: Swing type				
	Main cover: Hinged type c/w Push lock				
	Directory Holder & Nameplate				
	Auxiliary: Digital display metering c/w accessories				
	Current, Voltage, Frequency				
	LP1	lump sum	1.00		
	Main:				
	70AT / 100AF, 3P, 240V, 22KAIC Bolt-on MCCB				
	Branches:				
	18 - 15AT / 60AF, 2P, 240V, 10KAIC, Bolt-on MCCB				
	Enclosure: NEMA 3R GA#16 Powder coated				
	Dead front: Swing type				
	Main cover: Hinged type c/w Push lock				
	Directory Holder & Nameplate				
	LP2	lump sum	1.00		
	Main:				

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**DESCRIPTION:** PANEL BOARDS AND CIRCUIT BREAKERS  
**TOTAL QUANTITY:** 1  
**UNIT:** lumpsum

70AT / 100AF, 3P, 240V, 22KAIC Bolt-on MCCB			
Branches:			
18 – 15AT / 60AF, 2P, 240V, 10KAIC, Bolt-on MCCB			
Enclosure: NEMA 3R GA#16 Powder coated			
Dead front: Swing type			
Main cover: Hinged type c/w Push lock			
Directory Holder & Nameplate			
PP2B	lump sum	1.00	
Main:			
200AT / 250AF, 3P, 240V, 42KAIC Bolt-on MCCB			
Branches:			
9 – 30AT / 60AF, 2P, 240V, 10KAIC, Bolt-on MCCB			
4 – 40AT / 60AF, 2P, 240V, 10KAIC, Bolt-on MCCB			
3 – 50AT / 60AF, 2P, 240V, 10KAIC, Bolt-on MCCB			
2 – 60AT / 60AF, 2P, 240V, 10KAIC, Bolt-on MCCB			
Enclosure: NEMA 3R GA#16 Powder coated			
Dead front: Swing type			
Main cover: Hinged type c/w Push lock			
Directory Holder & Nameplate			
LPPA, LPP2, LPPC, LPPD (Typical)	lump sum	4.00	
Main:			
40AT / 63AF, 2P, 240V, 10KAIC, DIN Rail Schneider MCB			
Branches:			
1 – 15AT / 63AF, 2P, 240V, 10KAIC, DIN Rail MCB			
3 – 20AT / 63AF, 2P, 240V, 10KAIC, DIN Rail MCB			
1 – 32AT / 63AF, 2P, 240V, 10KAIC, DIN Rail MCB			
Enclosure: Plastic panel box w/ metal base, flush mounted			
LPPE, LPPF (Typical)	lump sum	2.00	
Main:			
63AT / 63AF, 2P, 240V, 10KAIC, DIN Rail Schneider MCB			
Branches:			
1 – 15AT / 63AF, 2P, 240V, 10KAIC, DIN Rail MCB			
5 – 20AT / 63AF, 2P, 240V, 10KAIC, DIN Rail MCB			
1 – 32AT / 63AF, 2P, 240V, 10KAIC, DIN Rail MCB			
Enclosure: Plastic panel box w/ metal base, flush mounted			
Circuit Breaker 30AT, 2P, 240V in NEMA 3R enclosure	set	1.00	
Circuit Breaker 20AT, 2P, 240V in plastic enclosure	set	8.00	
Circuit Breaker 30AT, 2P, 240V in plastic enclosure	set	7.00	
Circuit Breaker 50AT, 2P, 240V in plastic enclosure	set	10.00	
<b>Sub-Total for C (Material Cost)</b>			-

<b>G.</b>	Direct Unit Cost	(E + F) _____
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H.	Overhead, Contingencies & Misc. (OCM)	4% of G -----	-
I.	Contractor's Profit	8% of G -----	-
J.	VAT	5% (G + H + I) -----	-
K.	<b>ITEM TOTAL</b>	(G + H + I + J) -----	-
L.	<b>TOTAL UNIT COST</b>	(K / Total Qty) -----	-

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Signature

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