



Republic of the Philippines
 Department of Interior and Local Government
 PHILIPPINE PUBLIC SAFETY COLLEGE
NATIONAL FIRE TRAINING INSTITUTE
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PROJECT : **PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT NFTI**
OWNER : PPSC, NATIONAL FIRE TRAINING INSTITUTE
LOCATION : CALAMABA CITY, LAGUNA
PROJECT COST :

**DETAILED COST ESTIMATE
 BILL OF MATERIALS**

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIAL COST		LABOR COST		TOTAL
				UNIT	TOTAL	UNIT	TOTAL	
1.0	Preliminaries							
	1.1 Mobilization/Demobilization	1	lot					
	1.2 Engineering and Technical Superviision	1	lot					
	1.3 Tools and Heavy Equipement	1	lot					
	1.4 Testing and Commisioning	1	lot					
						Sub-Total		
ELECTRICAL WORKS								
2.0	Supply of Mini-EE Room, Concrete Pedestal, Panelboards, Wires and Accessories							
	Mini-EE Room							
	2.1 Construction of EE Room	2	lot					
	2.2 Metering Device	9	sets					

		Concrete Pole						
	2.3	Concrete Pole, 13.5m	7	pcs				
	2.4	Concrete Pole, Stud Pole	2	pcs				
	2.5	Consumables/Accessories	1	lot				
		Panelboard						
	2.6	NFTI-A Panel						
		Main: 400T, 3P, 230V, MCCB	1	set				
		Brch: 4-100AT, 2P, 230V						
		Nema 1 Enclosure complete with accessories						
	2.7	NFTI-B Panel						
		Main: 300T, 3P, 230V, MCCB	1	set				
		Brch: 2-200AT, 2P, 230V						
		1-100AT, 2P, 230V						
		Nema 1 Enclosure complete with accessories						
		Wires (Feeder to Panelboards and Overhead Lines)						
	2.8	Tree Wire, 3/0	1667	m				
	2.9	175mm2 THHN Copper Wire (F)	135	m				
	2.10	100mm2 THHN Copper Wire (F)	500	m				
	2.11	100mm2 THHN Copper Wire (G) (NFTI)	380	m				
	2.12	38mm2 THHN Copper Wire (G) (NFTI)	789	m				
	2.13	38mm2 THHN Copper Wire (G) (OSA)	660	m				
	2.14	30mm2 THHN Copper Wire	182	m				
	2.15	22mm2 THHN Copper Wire	50	m				
		Miscellaneous						
	2.16	Electrical Accessories and Layout Materials	1	lot				
3.0	First Private Pole and Transformation							
	First Private Pool							

	3.1	concrete Pole 15mtrs-H	1	pcs				
	3.2	Load Break Switch (Korean Brand)	1	set				
	3.3	Power Fuse, 34.5kv (Korean Brand)	1	set				
	3.4	Power Fuse Refill	1	set				
	3.5	Load Braker Switch Mechanism Pipe and Accessories	2	lgt				
	3.6	Lightning Arrester	3	pcs				
	3.7	Steel Cross Arm, 10ft.	7	pcs				
	3.8	Suspension Insulator	18	pcs				
	3.9	Pin Post	6	pcs				
	3.10	Miscellaneous and Accessories	1	lot				
	Transformer							
	3.11	50kVA, 34.5kv-139/277V	6	pcs				
4.0	Dismantling Works							
	4.1	Dismantling Woks	1	lot				
	4.2	Trimming of Tree Branches	1	lot				

TOTAL INDIRECT COST		Php
VAT (12%)		Php
PROJECT COST		PHP