

(CONSTRUCTION FIRM'S LETTERHEAD)

PROJECT: ELECTRIFICATION OF UN-ENERGIZED SCHOOLS AND MODERNIZATION OF ELECTRICAL SYSTEMS ON GRID SCHOOLS (BATCH 2)

DIVISION : BAGUIO CITY

SCHOOL : ELPIDIO QUIRINO ELEMENTARY SCHOOL

LOCATION : QUIRINO HIGHWAY, IRISAN, BAGUIO CITY

OWNER : DEPARTMENT OF EDUCATION

SUBJECT : **BILL OF QUANTITIES**

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
A.	GENERAL REQUIREMENTS	LOT	1.00					
	Mobilization/Utilities and Services/ Demobilization / Standard Billboard/Haul out of Excess Excavated Materials	lot	1.00					
	Safety and Health	lot	1.00					
	Fees for the Sign & Seal of Professionals, processing of electrical connections, transformer testing & energization, preparation of Electrical Plans and all necessary documents required by BENECO	lot	1.00					
	Equipment for Engineers (Netbook): Intel i-core I7-7500U, 2.7GHZ up to 3.5GHZ, 16GB DDR4 RAM, 512GB SSD, Intel HD 620 GPU, 13.3" QHD Touch screen, Windows 10, Wifi, Bluetooth & Webcam	lot	1.00					
	Sub-total							
B.	SERVICE LINE	LOT	1.00					
	ELECTRICAL WORKS							
	Steel Pullbox, 6"x 6"x 4", with complete accs.	sets	10.00					
	THHN # 10	m	40.00					
	THHN # 8	m	1,380.00					
	UPVC Pipe 4, S-1000	pcs	2.00					
	UPVC Pipe 1, S-1000	pcs	250.00					
	Adhesive Marker(color coded & properly labeled)	set	10.00					
	4"wide Underground Warning Tape	m	425.00					
	Heavy Duty Main Distribution Panel, including circuit breakers & accs.	lot	1.00					
	Misc. (Clamps, PVC Elbows, PVC Cement, etc)	lot	1.00					
	CIVIL WORKS	cu.m.	171.00					
	Excavation	cu.m.	440.80					
	Backfilling & Compaction	cu.m.	127.30					
	Portland Cement	bags	1,493.00					
	Crushed Gravel, G1	cu.m.	30.40					
	Crushed Gravel, 3/4	cu.m.	171.00					
	Crushed Sand	cu.m.	131.10					
	12mm Diam. RSB	pcs	2,151.00					
	16mm Square Bar	pcs	76.00					
	#16 G.I. Tie Wire	kg	43.02					
	Rough Lumber	bd.f.t	2,993.00					

	Plywood, Ordinary 1/4"x 4'x 8	pcs	68.00					
	ÇWN	kg	120.00					
	Equipments/Tools (10% of labor cost)	lot	1.00					
	Sub-total							
C.	TRANSFORMER	SET	1.00					
	Transformer, Pole Type, 50 KVA, 22.86/13.2kV 240/120V	set	1.00					
	Anchoring Assembly, F2-1	assy	1.00					
	Guying Assembly, E1-2	assy	1.00					
	Grounding Assembly, M2-1A	assy	1.00					
	Miscellaneous Assembly, M5-1(#2/0), M5-6(24KV), M5-9 (23-27 KV,100A), M3-4B(L-TYPE)	assy	1.00					
	PROTECTIVE DEVICES							
	Lightning Arrester, 24Kv, Ohio Brass	pc	1.00					
	Fuse Cut-Out, 23-27Kv, 100 Amps	pc	1.00					
	Fuse Link, 1A	pc	1.00					
	OTHER LINE HARDWARE							
	Bracket Mounting For Fco & La (27Kv)	pc	1.00					
	Conductor Bare Wire, # 4/7 CU	mtrs	6.00					
	Pole, Concrete, 35' (Round)	pc	1.00					
	Pole, Plates	pc	1.00					
	Anchor Log, 5' Std.	pc	1.00					
	Anchor Rod, 5/8" X 7', Single Eye	pc	1.00					
	Bolt Machine, 5/8" X 12"	pcs	4.00					
	Bolt Thimble Eye, 5/8 X 12"	pc	1.00					
	Clamp Guy, 3-Bolt Hd	pcs	2.00					
	Clamp Hot Line #2/0	pc	1.00					
	Ground Rod, 5/8" X 10' Galvanized w/Clamp	pc	1.00					
	Ground Wire, # 5/16 Steel, 3 Strand	mtrs	13.00					
	Guy Wire, 3/8" X 7 Strand	mtrs	13.00					
	Nut, Lock 5/8"	pc	1.00					
	Washer Square, 4" X 4"	pc	1.00					
	Washer, 2 1/4" X 2 1/4"	pc	1.00					
	Connector Compression, YHO 150	pcs	2.00					
	METERING REQUIREMENTS							
	KWHM, 1P, 2W, CL200, 240V, Form1S	set	1.00					
	Meter seal, plastic	pc	2.00					
	Equipments/Tools (10% of labor cost)	lot	1.00					
	Sub-total							
D.	POWERHOUSE	LOT	1.00					
	50 KVA Silent Type Generator Set with complete accs. (specs is for approval of agency engineer before installation)	set	1.00					
	CIVIL WORKS							
	Excavation	cu.m.	4.00					
	Portland Cement	bags	107.00					
	CHB 6"	pcs	525.00					
	G1, Gravel Bed	cu.m.	1.60					
	Crushed Gravel 3/4	cu.m.	8.00					
	Crushed Sand	cu.m.	6.00					
	River Sand (for plastering)	cu.m.	1.00					
	Waterproofing Cement (5kgs/bag)	bags	32.00					

	12mm Diam. RSB	pcs	77.00					
	16mm Square Bar	pcs	27.00					
	#16 G.I. Tie Wire	kg	13.00					
	Steel Door, 0.8 x 2.0m with complete accs.	set	1.00					
	Steel Window, 1.2m x 1.2m with grilles	set	2.00					
	Equipments/Tools (10% of labor cost)	lot	1.00					
	Sub-total							
I.	Direct Cost							
II.	Indirect Cost ____% of (I-Gen Req))							
III.	Tax (5% of I & II)							
IV.	Total Construction Cost (I + II + III)							

Prepared:

(SIGNATURE OVER PRINTED NAME)

Contractor