

School	: LOAKAN ELEMENTARY SCHOOL		Date:			October 8, 2019
School I.D	: 136413		Budget A	llocation:		PHP 0.00
Region	: CAR		Engineeri	ing and Admir	nistrative Overhead:	PHP 0.00
Division	: BAGUIO CITY		Approved	Budget for t	he Contract:	PHP 0.00
Project Title	):		Completi	on Period:	120 calendar days	
			Minimum	<b>Required Ma</b>	npower:	
	: UPGRADING OF ELECTRICAL SYSTEM		Electrical	Engineer	Carpenter	Construction Foreman
			Master Ele	ectrician	Mason	
Location	: BAGUIO CITY		Minimum	Required Eq	uipment:	
			Hand Tool		Jackhammer	Dump Truck/Cargo Truck
			Electrical	Tools	Concrete Cutter	Knockout Puncher
			Crimping -	Tools	Heat Gun/Torch	Various Power Tools
ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST GENERAL REQUIREMENTS					
	ELECTRICAL WORK		lot	1.00		
	CIVILWORKS		lot	1.00		
	TRANSFORMER		lot	1.00		
	METERING REQUIREMENT		lot	1.00		
	POWERHOUSE		lot	1.00		
	GENERATOR		lot	1.00		
	Sub-total		101	1.00		
	II. INDIRECT COST % of (I)					
	Overhead Expenses ( %)					
	Contingencies (%)					
	Miscellaneous (%)					
	Contractor's Profit (%)					
	Sub-Total					
	III. TAX 5% of (I+II)			1		
	Sub-Total			1		
			1			

PROJECT : **UPGRADING OF ELECTRICAL SYSTEM** SCHOOL : LOAKAN ELEMENTARY SCHOOL LOCATION : BAGUIO CITY

OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT	соѕт	TOTAL	COST	GRAND TOTAL
TENINO.	DESCRIPTION	UNIT		MATERIAL	LABOR	MATERIAL	LABOR	GRANDIUTAL
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and	lot	1.00					
	Services/Demobilization	IOL	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Fees for processing of electrical connections, CFEI, transformer testing & energization, preparation of Electrical Plans and all necessary documents required by BENECO	lot	1.00					
	Hauling cost	lot	1.00					
	Sub-total							
	ELECTRICAL WORK							
	Steel Pullbox, 6"x 6"x 4", with complete accs.	sets	14.00					
	80.0mm <sup>2</sup> THWN/THHN Copper Wire	m	110.00					
	22.0mm <sup>2</sup> THWN/THHN Copper Wire	m	300.00					
	14.0mm <sup>2</sup> THWN/THHN Copper Wire	m	1,900.00					
	UPVC Pipe 2", S-1000	pcs	305.00					
	RSC, 75 mmØ	рс	30.00					
	RSC, 100mmØ w/ Entrance Cap	рс	2.00					
	Adhesive Marker(color coded & properly labeled)	set	40.00					
	4"wide Underground Warning Tape	m	400.00					
	Heavy Duty Main Distribution Panel Box Center	рс	1.00					
	250A, 2P, Bolt On Circuit Breaker	рс	1.00					
	100A, 2P, Bolt On Circuit Breaker	рс	1.00					
	60A, 2P, Bolt On Circuit Breaker	pc	13.00					
	Manual Transfer Switch Misc. (Clamps, PVC Elbow, PVC Cement, etc)	lot	1.00					
		lot	1.00					
	Weather proof 75 Watts LED perimeter lightings with complete wires, mounting bracket, and switching accessories. With motion sensor and Photo switch. (To be mounted on building structures) Sub-total	set	5.00					
	CIVILWORKS							
	Removal of Concrete Structures/Obstructions	cu.m.	15.09					
	Excavation	cu.m.	135.82					
	Backfilling & Compaction	cu.m.	24.96					
	Portland Cement	bags	542.00					
	Crushed Gravel, 3/4	cu.m.	86.00					
	Crushed Sand	cu.m.	51.00					
	12mm Diam. RSB	pcs	1,100.00					
	#16 G.I. Tie Wire	kg	24.00					
	Rough Lumber	bd.f.t	800.00					
	Plywood, Ordinary 1/4"x 4'x 8	pcs	200.00					
	ÇWN	kg	38.00					
	Sub-total							
	TRANSFORMER							
	Transformer, Pole Type, 25 KVA, 22.86/13.2kV	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-	assy	1.00					

	DECODIDITION	LINUT	OTV	UNIT	соѕт	ΤΟΤΑΙ	COST	
ITEM NO.	. DESCRIPTION	UNIT	QTY	MATERIAL	LABOR	MATERIAL	LABOR	GRAND TOTAL
	Lightning Arrester, 24Kv, Ohio Brass	рс	1.00					
	Fuse Cut-Out, 23-27Kv, 100 Amps	pc	1.00					
	Fuse Link, 1A	pc	1.00					
	Bracket Mounting For Fco & La (27Kv)	рс	1.00					
	Conductor Bare Wire, # 4/7 CU	m	6.00					
	Pole, Concrete, 40' (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"	pee	1.00					
	Clamp Guy, 3-Bolt Hd	pc	2.00					
	Clamp Hot Line #2/0	pcs	1.00					
	Ground Rod, 5/8" X 10' Galvanized w/Clamp	pc	1.00					
	Ground Wire, # 5/16 Steel, 3 Strand	m	22.43					
	Guy Wire, 3/8" X 7 Strand	m	20.00					
	Nut, Lock 5/8"	рс	12.00					
	Washer Square, 4" X 4"	pc	12.00					
	Washer, 2 1/4" X 2 1/4"		15.00					
	Connector Compression, YHO 150	pc	2.00					
		pcs	2.00					
	Sub-total	+						
	METERING REQUIREMENT		4.00					
	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							
	BAWEBUAUAE							
	POWERHOUSE							
	EARTHWORKS							
	STRUCTURE EXCAVATION	cu.m	4					
	CONCRETING WORKS	cu.m.	12.872					
	Portland Cement	bag	116					
	Crushed Gravel 3/4"	cu.m	13					
	Washed Sand	cu.m	7					
	REBAR WORKS							
	Deformed Round Bars, Grade 40	kg	176.93					
	G.I. Tie Wire	kg	4					
	FORM WORKS							
	Coco Lumber	bd.ft	128					
	Plywood Ordinary, 1/2"x4'x8'	рс	5					
	CWN, Assorted	kg	4					
	MASONRY WORKS	sq.m	44.2					
	CHB 4" thk	pcs	553					
	Portland Cement	cu.m	23					
	Washed Sand	cu.m	2					
	10mm x 6m RSB	kg	59					
	G.I. Tie Wire	kg	2					
	PLASTERING	cu.m.	88.4					
	Portland Cement	bag	30					
	Washed Sand	cu.m	3			1		
	DOORS AND WINDOWS							
		set	1					
	DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m)	set set						
	DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m)	+ +	1					
	DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m)	set	1					
	DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m)	set	1					
	DOORS AND WINDOWSAluminum Roll Up Door (2.5mx2.7m)W-1 Aluminum Louver Type (1m x 0.5m)W-2 Awning Window with grilles (1m x 0.3m)ELECTRICAL WORKS2 x 18 Watts LED lamp with luminaire surface type	set set set	1 1 1 3					
	DOORS AND WINDOWSAluminum Roll Up Door (2.5mx2.7m)W-1 Aluminum Louver Type (1m x 0.5m)W-2 Awning Window with grilles (1m x 0.3m)ELECTRICAL WORKS2 x 18 Watts LED lamp with luminaire surface type2 - Gang Convenience Outlet wide series	set set set set	1 1 1 3 2					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire	set set set set mtrs	1 1 3 2 100					
	DOORS AND WINDOWSAluminum Roll Up Door (2.5mx2.7m)W-1 Aluminum Louver Type (1m x 0.5m)W-2 Awning Window with grilles (1m x 0.3m)ELECTRICAL WORKS2 x 18 Watts LED lamp with luminaire surface type2 - Gang Convenience Outlet wide series3.5mm2 THHN Copper WireBreaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB	set set set set mtrs assembly	1 1 3 2 100 1					
	DOORS AND WINDOWSAluminum Roll Up Door (2.5mx2.7m)W-1 Aluminum Louver Type (1m x 0.5m)W-2 Awning Window with grilles (1m x 0.3m)ELECTRICAL WORKS2 x 18 Watts LED lamp with luminaire surface type2 - Gang Convenience Outlet wide series3.5mm2 THHN Copper WireBreaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB1/2" PVC Pipe	set set set mtrs assembly pcs.	1 1 1 3 2 100 1 7					
	DOORS AND WINDOWSAluminum Roll Up Door (2.5mx2.7m)W-1 Aluminum Louver Type (1m x 0.5m)W-2 Awning Window with grilles (1m x 0.3m)ELECTRICAL WORKS2 x 18 Watts LED lamp with luminaire surface type2 - Gang Convenience Outlet wide series3.5mm2 THHN Copper WireBreaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB1/2" PVC PipeOctagonal Junction Box	set set set mtrs assembly pcs. pcs.	1 1 1 3 2 100 1 7 5					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box	set set set mtrs assembly pcs. pcs. pcs.	1 1 1 3 2 100 100 1 1 7 5 3					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator	set set set mtrs assembly pcs. pcs. pcs. pcs.	1 1 1 3 3 2 100 100 1 1 7 5 3 3 2					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous	set set set mtrs assembly pcs. pcs. pcs. pcs. lot	1 1 1 3 3 2 100 1 7 5 3 3 2 1					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS	set set set mtrs assembly pcs. pcs. pcs. pcs. lot sq.m.	1 1 1 3 3 2 100 1 7 5 3 3 2 1 1 104					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat	set set set mtrs assembly pcs. pcs. pcs. pcs. lot sq.m. gal	1 1 1 3 3 2 100 1 7 7 5 3 3 2 1 104 6.00					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat         Masonry Putty	set set set mtrs assembly pcs. pcs. pcs. pcs. lot sq.m. gal gal	1 1 1 3 3 2 100 1 7 7 5 3 3 2 1 104 6.00 2.00					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat         Masonry Putty         Latex, Semi Gloss	set set set mtrs assembly pcs. pcs. pcs. pcs. lot sq.m. gal gal gal	1 1 1 3 2 100 1 7 5 3 3 2 1 1 04 6.00 2.00 11.00					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat         Masonry Putty         Latex, Semi Gloss         Acri Color	set set set mtrs assembly pcs. pcs. pcs. pcs. lot sq.m. gal gal	1 1 1 3 3 2 100 1 7 7 5 3 3 2 1 104 6.00 2.00					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat         Masonry Putty         Latex, Semi Gloss         Acri Color         OTHERS	set set set mtrs assembly pcs. pcs. pcs. pcs. lot sq.m. gal gal gal	1 1 1 3 2 100 1 7 5 3 2 2 1 1 04 6.00 2.00 11.00 5.00					
	DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat         Masonry Putty         Latex, Semi Gloss         Acri Color	set set set mtrs assembly pcs. pcs. pcs. pcs. lot sq.m. gal gal gal	1 1 1 3 2 100 1 7 5 3 3 2 1 1 04 6.00 2.00 11.00					

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT	COST	TOTAL	COST	GRAND TOTAL
		UNIT	<b>Q</b>	MATERIAL	LABOR	MATERIAL	LABOR	ORARD TOTAL
	GENERATOR							
	45 KVA Single Phase Silent Type Diesel Generator							
	Set with complete accessories, Weather proof,	set	1.00					
	outdoor type, 60Hz, 230V							
	Sub-total							
	DIRECT COST							
	INDIRECT COST% of (I)							
	TAX 5% of (I + II)							
	TOTAL CONSTRUCTION COST (I + II + III)							



School	: PINES CITY NATIONAL HIGHSCHOOL		Date:			October 8, 2019
School I.D	: 305281		Budget A	llocation:		
Region	: CAR		Engineeri	ng and Admi		
Division	: BAGUIO CITY				the Contract:	
<b>Project Title</b>	):		Completi	on Period:	120 calendar days	
			Minimum	<b>Required Ma</b>		
	: UPGRADING OF ELECTRICAL SYSTEM		Electrical	Engineer	Carpenter	Construction Foreman
			Master Ele	ectrician		
Location	: BAGUIO CITY		Minimum	Required Ec	uipment:	
			Hand Too		Jackhammer	Dump Truck/Cargo Truck
			Electrical	Tools	Concrete Cutter	Knockout Puncher
			Crimping		Heat Gun/Torch	Various Power Tools
				-		
ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
	GENERAL REQUIREMENTS		lot	1.00		
	ELECTRICAL WORK		lot	1.00		
	CIVILWORKS		lot	1.00		
	TRANSFORMER		lot	1.00		
	METERING REQUIREMENT		lot	1.00		
	POWERHOUSE		lot	1.00		
	GENERATOR Sub-total		lot	1.00		
	Sub-total					
	II. INDIRECT COST% of (I)					
	Overhead Expenses (%)					
	Contingencies (%)					
	Miscellaneous (%)					
	Contractor's Profit (%)					
	Sub-Total					
		1				
	III. TAX 5% of (I+II)		-			
	III. TAX 5% of (I+II) Sub-Total					

PROJECT : **UPGRADING OF ELECTRICAL SYSTEM** SCHOOL : PINES NATIONAL HIGHSCHOOL' LOCATION : BAGUIO CITY

OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT	COST	TOTAL	COST	GRAND TOTAL
ITEW NO.	DESCRIPTION	UNIT	QIT	MATERIAL	LABOR	MATERIAL	LABOR	- GRAND IUTAL
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and	lot	1.00					
	Services/Demobilization							
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Fees for processing of electrical connections, CFEI, transformer testing & energization, preparation of Electrical Plans and all necessary documents required by BENECO	lot	1.00					
	Hauling cost	lot	1.00					
	Sub-total							
	SERVICE LINE							
	ELECTRICAL WORK							
	Steel Pullbox, 6"x 6"x 4", with complete accs.	sets	14.00					
	80.0mm <sup>2</sup> THWN/THHN Copper Wire	m	100.00					
	30.0mm <sup>2</sup> THWN/THHN Copper Wire	m	270.00					
	14.0mm <sup>2</sup> THWN/THHN Copper Wire	m	1,500.00					
	UPVC Pipe 2, S-1000	pcs	200.00					
	RSC, 75 mmØ	рс	30.00					
	RSC, 100mmØ w/ Entrance Cap	рс	1.00					
	Adhesive Marker(color coded & properly labeled)	set	40.00					
	4"wide Underground Warning Tape	m	750.00					
	Heavy Duty Main Distribution Panel Box Center	рс	1.00					
	250A, 2P, Bolt On Circuit Breaker	рс	1.00					
	100A, 2P, Bolt On Circuit Breaker	рс	1.00					
	60A, 2P, Bolt On Circuit Breaker	рс	12.00					
	Manual Transfer Switch	lot	1.00					
	Misc. (Clamps, PVC Elbow, PVC Cement, etc)	lot	1.00					
	Weather proof 75 Watts LED perimeter lightings with complete wires, mounting bracket, and switching accessories. With motion sensor and Photo switch. (To be mounted on building structures) Sub-total	set	7.00					
	CIVILWORKS							
	Removal of Concrete Structures/Obstructions	cu.m.	8.42					
	Excavation	cu.m.	75.70					
	Backfilling & Compaction	cu.m.	14.60					
	Portland Cement	bags	282.00					
	Crushed Gravel, 3/4	cu.m.	47.00					
	Crushed Sand	cu.m.	28.00					
	10mm Diam. RSB	pcs	600.00					
	#16 G.I. Tie Wire	kg	21.00					
	Rough Lumber	bd.f.t	1,300.00					1
	Plywood, Ordinary 1/4"x 4'x 8	pcs	35.00					
	ÇWN	kg	38.00					
	Sub-total	-3						
	TRANSFORMER							
	Transformer, Pole Type, 25 KVA, 22.86/13.2kV	set	1.00					
	Anchoring Assembly, F2-1	assy	1.00					1
	Guying Assembly, E1-2	assy	1.00					1
	Grounding Assembly, M2-1A	assy	1.00					1

ITEM NO.	DESCRIPTION	UNIT	QTY		соѕт		COST	GRAND TOTAL
-				MATERIAL	LABOR	MATERIAL	LABOR	
	Miscellaneous Assembly, M5-1(#2/0), M5- Lightning Arrester, 24Ky, Ohio Brass	assy	1.00 1.00					
	Fuse Cut-Out, 23-27Kv, 100 Amps	pc pc	1.00					
	Fuse Link, 1A	pc	1.00					
	Bracket Mounting For Fco & La (27Kv)	pc	1.00					
	Conductor Bare Wire, # 4/7 CU	m	6.00					
	Pole, Concrete, 40' (Round)	pc	1.00					
	Pole, Plates	рс	1.00					
	Anchor Log, 5' Std.	pc	1.00					
	Anchor Rod, 5/8" X 7', Single Eye	рс	1.00					
	Bolt Machine, 5/8" X 12"	pcs	4.00					
	Bolt Thimble Eye, 5/8 X 12"	рс	1.00					
	Clamp Guy, 3-Bolt Hd	pcs	2.00					
	Clamp Hot Line #2/0	рс	1.00					
	Ground Rod, 5/8" X 10' Galvanized w/Clamp	рс	1.00					
	Ground Wire, # 5/16 Steel, 3 Strand	m	23.34					
	Guy Wire, 3/8" X 7 Strand	m	20.00					
	Nut, Lock 5/8"	рс	10.00					
	Washer Square, 4" X 4"	pc	5.00					
	Washer, 2 1/4" X 2 1/4" Connector Compression, YHO 150	рс	10.00 2.00					
	Sub-total	pcs	2.00					
	Sub-total							
	METERING REQUIREMENT							
	KWHM, 1P, 2W, CL200, 240V, Form1S	set	1.00					
	Meter seal, plastic	pc	2.00					
	Sub-total	pu	2.00					
	POWERHOUSE							
	EARTHWORKS							
	STRUCTURE EXCAVATION	cu.m	4					
	CONCRETING WORKS	cu.m.	12.872					
	Portland Cement	bag	116					
	Crushed Gravel 3/4"	cu.m	13					
	Washed Sand	cu.m	7					
	REBAR WORKS							
	Deformed Round Bars, Grade 40	kg	176.93					
	G.I. Tie Wire	kg	4					
	FORMWORKS							
	Coco Lumber	bd.ft	128					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8'	рс	5					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted	pc kg	5 4					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS	pc kg sq.m	5 4 44.2					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk	pc kg sq.m pcs	5 4 44.2 553					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement	pc kg sq.m pcs cu.m	5 4 44.2 553 23					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand	pc kg pcs cu.m cu.m	5 4 44.2 553 23 2					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB	pc kg pcs cu.m cu.m kg	5 4 44.2 553 23 2 2 59					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire	pc kg pcs cu.m cu.m kg kg	5 4 44.2 553 23 2 2 59 2					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING	pc kg sq.m pcs cu.m cu.m kg kg kg cu.m.	5 4 44.2 553 23 2 59 2 88.4					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement	pc kg pcs cu.m cu.m kg kg cu.m. bag	5 4 44.2 553 23 23 29 59 2 88.4 30					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand	pc kg sq.m pcs cu.m cu.m kg kg kg cu.m.	5 4 44.2 553 23 2 59 2 88.4					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS	pc kg pcs cu.m cu.m kg kg cu.m. bag cu.m	5 4 44.2 553 23 2 59 2 88.4 30 30 3					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m)	pc kg pcs cu.m cu.m kg kg cu.m bag cu.m	5 4 44.2 553 23 23 29 59 2 2 88.4 30 30 3					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING PORTLand Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m)	pc kg pcs cu.m cu.m kg kg cu.m. bag cu.m	5 4 44.2 553 23 2 59 2 88.4 30 30 3					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m)	pc kg pcs cu.m cu.m kg kg cu.m bag cu.m cu.m set set	5 4 44.2 553 23 23 259 2 88.4 30 30 3 3 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING PORTLand Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m)	pc kg pcs cu.m cu.m kg kg cu.m bag cu.m cu.m set set	5 4 44.2 553 23 23 259 2 88.4 30 30 3 3 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS	pc kg sq.m pcs cu.m cu.m kg kg cu.m bag cu.m set set set	5 4 44.2 553 23 23 259 2 88.4 30 30 3 3 1 1 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire	pc kg sq.m pcs cu.m kg kg cu.m bag cu.m bag cu.m set set set set	5 4 44.2 553 23 23 259 2 88.4 30 30 3 3 1 1 1 1 1 3					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series	pc kg sq.m pcs cu.m cu.m kg kg cu.m bag cu.m bag cu.m set set set set set	5 4 44.2 553 23 2 59 2 88.4 30 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe	pc kg sq.m pcs cu.m cu.m kg kg cu.m bag cu.m bag cu.m set set set set set set set	5 4 44.2 553 23 29 59 2 2 88.4 30 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 7					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box	pc kg sq.m pcs cu.m cu.m kg kg cu.m bag cu.m bag cu.m set set set set set set set set set set	5 4 44.2 553 23 2 59 2 2 88.4 30 3 3 1 1 1 1 1 1 1 1 1 1 1 7 7 5					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box	pc kg sq.m pcs cu.m cu.m kg kg bag cu.m bag cu.m set set set set set set set set set set	5 4 44.2 553 23 29 59 2 2 88.4 30 3 3 1 1 1 1 1 1 1 1 1 1 1 1 7 7 5 3					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box Utility Box 1 - Gang Switch with LED indicator	pc kg sq.m pcs cu.m cu.m kg bag cu.m cu.m set set set set set set set set set set	5 4 44.2 553 23 259 29 88.4 30 33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING PLASTERING POrtland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box Utility Box 1 - Gang Switch with LED indicator Miscellaneous	pc kg sq.m pCS CU.m CU.m kg kg cu.m bag CU.m Set set set set set set set set set set s	5 4 44.2 553 23 2 59 2 88.4 30 30 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING POrtland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box Utility Box 1 - Gang Switch with LED indicator Miscellaneous PAINTING WORKS	pc kg sq.m pcs cu.m cu.m kg kg cu.m bag cu.m bag cu.m set set set set set set set set set set	5 4 44.2 553 23 2 59 2 88.4 30 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box Utility Box 1 - Gang Switch with LED indicator Miscellaneous PAINTING WORKS Latex, Flat	pc kg sq.m pcs cu.m cu.m kg kg cu.m bag cu.m set set set set set set set set set set	5 4 44.2 553 23 2 59 2 88.4 30 30 3 3 3 3 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box Utility Box 1 - Gang Switch with LED indicator Miscellaneous PAINTING WORKS Latex, Flat Masonry Putty	pc kg sq.m pCS CU.m CU.m kg kg cu.m bag cu.m Set set set set set set set set set set s	5 4 44.2 553 23 2 59 2 88.4 30 30 30 3 3 3 2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box Utility Box 1 - Gang Switch with LED indicator Miscellaneous PAINTING WORKS Latex, Flat Masonry Putty Latex, Semi Gloss	pc kg sq.m pCS CU.m CU.m kg kg cu.m bag cu.m bag cu.m set set set set set set set set set set	5 4 44.2 553 23 2 59 2 88.4 30 30 30 30 30 3 3 3 2 100 11 7 5 3 3 2 100 11 7 5 3 3 2 100 11.00					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box Utility Box 1 - Gang Switch with LED indicator Miscellaneous PAINTING WORKS Latex, Flat Masonry Putty Latex, Semi Gloss Acri Color	pc kg sq.m pCS CU.m CU.m kg kg cu.m bag cu.m Set set set set set set set set set set s	5 4 44.2 553 23 2 59 2 88.4 30 30 30 3 3 3 2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	Coco Lumber Plywood Ordinary, 1/2"x4'x8' CWN, Assorted MASONRY WORKS CHB 4" thk Portland Cement Washed Sand 10mm x 6m RSB G.I. Tie Wire PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m) W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m) ELECTRICAL WORKS 2 x 18 Watts LED lamp with luminaire surface type 2 - Gang Convenience Outlet wide series 3.5mm2 THHN Copper Wire Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB 1/2" PVC Pipe Octagonal Junction Box Utility Box 1 - Gang Switch with LED indicator Miscellaneous PAINTING WORKS Latex, Flat Masonry Putty Latex, Semi Gloss	pc kg sq.m pCS CU.m CU.m kg kg cu.m bag cu.m bag cu.m set set set set set set set set set set	5 4 44.2 553 23 2 59 2 88.4 30 30 30 30 30 3 3 3 2 100 11 7 5 3 3 2 100 11 7 5 3 3 2 100 11.00					

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT	соѕт	TOTAL	COST	GRAND TOTAL
ITEM NO.		UNIT	<b>Q</b>	MATERIAL	LABOR	MATERIAL	LABOR	CITALE TOTAL
	GENERATOR							
	35 KVA Single Phase Silent Type Diesel Generator							
	Set with complete accessories, Weather proof,	set	1.00					
	outdoor type, 60Hz, 230V							
	Sub-total							
	DIRECT COST							
	INDIRECT COST% of (I)							
	TAX 5% of (I + II)							
	TOTAL CONSTRUCTION COST (I + II + III)							



School	: RIZAL ELEMENTARY SCHOOL		Date:			October 8, 2019
School I.D	: 136404		Budget A	llocation:		
Region	: CAR		Engineeri	inistrative Overhead:		
Division	: BAGUIO CITY		Approved	Budget for	the Contract:	
Project Title	):			on Period:	120 calendar days	
				Required M		
	: UPGRADING OF ELECTRICAL SYSTEM		Electrical		Carpenter Mason	Construction Foreman
			Master Ele	ectrician		
Location	: BAGUIO CITY			Required E		
			Hand Tool	-	Jackhammer	Dump Truck/Cargo Truck
			Electrical Crimping		Concrete Cutter	Knockout Puncher
				I OOIS	Heat Gun/Torch	Various Power Tools
	% of					
ITEM NO.	TEM NO. Item Description		Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
	GENERAL REQUIREMENTS		LOT	1.00		
	ELECTRICAL WORK		LOT	1.00		
	CIVILWORKS		LOT	1.00		
	TRANSFORMER		LOT	1.00		
	METERING REQUIREMENT		LOT	1.00		
	POWERHOUSE		LOT	1.00		
	GENERATOR		LOT	1.00		
	Sub-total					
	II. INDIRECT COST % of (I)					
	Overhead Expenses (%)					
	Contingencies (%)					
	Miscellaneous ( %)					
	Contractor's Profit ( %)					
	Sub-Total					
	III. TAX 5% of (I+II)					
	Sub-Total					
	IV. TOTAL CONSTRUCTION COST (I + II + III)					
	IV. TOTAL CONSTRUCTION COST (I'+ II + III)					

 PROJECT
 : UPGRADING OF ELECTRICAL SYSTEM

 SCHOOL
 : RIZAL ELEMENTARY SCHOOL

 LOCATION
 : BAGUIO CITY

 OWNER
 : DEPARTMENT OF EDUCATION

	DESCRIPTION	LINUT	OTY	UNIT	соѕт	TOTAL	COST	
ITEM NO.	DESCRIPTION	UNIT	QTY	MATERIAL	LABOR	MATERIAL	LABOR	GRAND TOTAL
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and		1.00					
	Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Fees for processing of electrical connections, CFEI, transformer testing & energization, preparation of Electrical Plans and all necessary documents required by BENECO	lot	1.00					
	Hauling cost	lot	1.00					
	Sub-total							
	SERVICE LINE							
	ELECTRICAL WORK							
	Steel Pullbox, 6"x 6"x 4", with complete accs.	sets	14.00					
	80.0mm <sup>2</sup> THWN/THHN Copper Wire	m	110.00					
	30.0mm <sup>2</sup> THWN/THHN Copper Wire	m	250.00					
	14.0mm <sup>2</sup> THWN/THHN Copper Wire	m	2,000.00					
	UPVC Pipe 2", S-1000	pcs	400.00					
	RSC, 75 mmØ	рс	30.00					
	RSC, 100mmØ w/ Entrance Cap	рс	1.00					
	Adhesive Marker(color coded & properly labeled)	set	40.00					
	4"wide Underground Warning Tape	m	500.00					
	Heavy Duty Main Distribution Panel Box Center	рс	1.00					
	250A, 2P, Bolt On Circuit Breaker 100A, 2P, Bolt On Circuit Breaker	рс	1.00					
	60A, 2P, Bolt On Circuit Breaker	рс	1.00					
	Manual Transfer Switch	pc	12.00					
	Misc. (Clamps, PVC Elbow, PVC Cement, etc)	lot						
	Sub-total	lot	1.00					
	CIVILWORKS							
	Removal of Concrete Structures/Obstructions		40.00					
	Excavation	cu.m.	19.28 173.58					
	Backfilling & Compaction	cu.m.	32.00					
	Portland Cement	cu.m.	700.00					
	Crushed Gravel, 3/4	bags	110.00					
	Crushed Sand	cu.m. cu.m.	68.00					
	10mm Diam. RSB	pcs	1,500.00					
	#16 G.I. Tie Wire	kg	54.00					
	Rough Lumber	bd.f.t	900.00					
	Plywood, Ordinary 1/4"x 4'x 8	pcs	52.00					
	CWN	kg	38.00					
	Sub-total	Ng	00.00					
	TRANSFORMER							
	Transformer, Pole Type, 25 KVA, 22.86/13.2kV	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-	assy	1.00					
	Lightning Arrester, 24Kv, Ohio Brass	pc	1.00					

TEM NO.	DESCRIPTION	UNIT	QTY		COST	-	COST	GRAND TOTAL
	Fuse Cut-Out, 23-27Kv, 100 Amps	DC	1.00	MATERIAL	LABOR	MATERIAL	LABOR	
	Fuse Link, 1A	pc pc	1.00					
	Bracket Mounting For Fco & La (27Kv)	pc pc	1.00					
	Conductor Bare Wire, # 4/7 CU	m	6.00					
	Pole, Concrete, 40' (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	m	20.19					
	Guy Wire, 3/8" X 7 Strand	m	14.00					
	Nut, Lock 5/8"	pc	10.00					
	Washer Square, 4" X 4"	pc	3.00					
	Washer, 2 1/4" X 2 1/4"	pc	1.00					
	Connector Compression, YHO 150	pcs	2.00					
	Sub-total	poo	2.00					
	METERING REQUIREMENT							
	KWHM, 1P, 2W, CL200, 240V, Form1S	set	1.00					
	Meter seal, plastic	pc	2.00					+
	Sub-total	pc	2.00					
								+
	POWERHOUSE							
	EARTHWORKS							
	STRUCTURE EXCAVATION	cu.m	4					
	CONCRETING WORKS	cu.m.	4 12.872					
	Portland Cement	bag	12.072					
	Crushed Gravel 3/4"	-						
	Washed Sand	cu.m	13 7					
		cu.m	/					
	REBAR WORKS		470.00					
	Deformed Round Bars, Grade 40	kg	176.93					
	G.I. Tie Wire	kg	4					
	FORM WORKS	1.1.6						
	Coco Lumber	bd.ft	128					
	Plywood Ordinary, 1/2"x4'x8'	рс	5					
	CWN, Assorted	kg	4					
	MASONRY WORKS	sq.m	44.2					
	CHB 4" thk	pcs	553					
	Portland Cement	cu.m	23					
	Washed Sand	cu.m	2					
	10mm x 6m RSB	kg	59					
	G.I. Tie Wire	kg	2					
	PLASTERING	cu.m.	88.4					
	Portland Cement	bag	30					
	Washed Sand	cu.m	3					
	DOORS AND WINDOWS							
	Aluminum Roll Up Door (2.5mx2.7m)	set	1					
	W-1 Aluminum Louver Type (1m x 0.5m)	set	1					
	W-2 Awning Window with grilles (1m x 0.3m)	set	1					
	ELECTRICAL WORKS							
	2 x 18 Watts LED lamp with luminaire surface type	set	3					
	2 - Gang Convenience Outlet wide series	set	2					
	3.5mm2 THHN Copper Wire	mtrs	100					
	Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB	assembly	1					
	1/2" PVC Pipe	pcs.	7					
	Octagonal Junction Box	pcs.	5					
	Utility Box	pcs.	3					
	1 - Gang Switch with LED indicator	pcs.	2					
	Miscellaneous	lot	1					
	PAINTING WORKS	sq.m.	104					
	Latex, Flat	gal	6.00					
	Masonry Putty	gal	2.00			1		
	Latex, Semi Gloss	gal	11.00					+
	Acri Color	gai gal	5.00					+
	OTHERS	yai	5.00					
	Water Proofing (Cement) 5kgs/bag	har-	20					
		bags	30					
	Sub-total							

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT	COST	ΤΟΤΑΙ	COST	GRAND TOTAL
mem no.		UNIT	<b></b>	MATERIAL	LABOR	MATERIAL	LABOR	ORAND TOTAL
	GENERATOR							
	35 KVA Single Phase Silent Type Diesel Generator Set with complete accessories, Weather proof, outdoor type, 60Hz, 230V	set	1.00					
	Sub-total							
	DIRECT COST							
	INDIRECT COST% of (I)							
	TAX 5% of (I + II)							
	TOTAL CONSTRUCTION COST (I + II + III)							



School	: APOLINARIO MABINI ES			Date:			October 8, 201			
School I.D	: 136403			Budget A	location:					
Region	: CAR			Engineeri	ng and Admi	nistrative Overhead:				
Division	: BAGUIO CITY			Approved Budget for the Contract:						
Project Title	• :			Completio	on Period:	150 calendar days				
				Minimum	Required Ma	inpower:				
	: UPGRADING OF ELECT	RICAL SYSTEM		Electrical I	Engineer	Carpenter	Construction Foreman			
				Master Ele	ectrician	Mason				
Location	ocation : BAGUIO CITY			Minimum	Required Eq	uipment:				
				Hand Tool	S	Jackhammer	Dump Truck/Cargo Truck			
			Electrical <sup>-</sup>	lools	Concrete Cutter	Knockout Puncher				
				Crimping <sup>-</sup>	Tools	Heat Gun/Torch	Various Power Tools			
			% of							
ITEM NO.	Item Descr	Total	Unit	Quantity	Total Cost	Remarks				
	I. DIRECT COST									
	GENERAL REQUIREMENTS			lot	1.00					
	ELECTRICAL WORK			lot	1.00					
	CIVILWORKS			lot	1.00					
	TRANSFORMER			lot	1.00					
	METERING REQUIREM	ENT		lot	1.00					
	POWERHOUSE			lot	1.00					
	GENERATOR			lot	1.00					
	Sub-total									
	II. INDIRECT COST %	of (I)								
	Overhead Expenses (	%)								
	Contingencies (%)	_,,,,								
	Miscellaneous ( %)									
	Contractor's Profit ( %	)								
	Sub-Total	'								
	III. TAX 5% of (I+II)									
	Sub-Total									
	IV. TOTAL CONSTRUCTION	COST (I + II + III)								

PROJECT : UPGRADING OF ELECTRICAL SYSTEM SCHOOL : APOLINARIO MABINI ES LOCATION : BAGUIO CITY

OWNER : DEPARTMENT OF EDUCATION

				UNIT	COST	ΤΟΤΑΙ	COST	
ITEM NO.	DESCRIPTION	UNIT	QTY	MATERIAL	LABOR	MATERIAL	LABOR	GRAND TOTAL
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and	lat	1.00					
	Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Fees for processing of electrical connections, CFEI, transformer testing & energization, preparation of Electrical Plans and all necessary documents required by BENECO	lot	1.00					
	Hauling cost	lot	1.00					
	Sub-total							
	ELECTRICAL WORK							
	Steel Pullbox, 6"x 6"x 4", with complete accs.	sets	21.00					
	80mm <sup>2</sup> THWN/THHN Copper Wire	m	100.00					
	22.0mm <sup>2</sup> THWN/THHN Copper Wire	m	1,620.00					
	14.0mm <sup>2</sup> THWN/THHN Copper Wire	m	2,000.00					
	UPVC Pipe 2" dia., S-1000	pcs	700.00					
	RSC, 75 mmØ	рс	21.00					
	RSC, 100mmØ w/ Entrance Cap	рс	2.00					
	Adhesive Marker(color coded & properly labeled)	set	40.00					
	4"wide Underground Warning Tape	m	510.00					
	Heavy Duty Main Distribution Panel Box Center Main, 12 Branches with Grounding and Neutral Busbar	рс	1.00					
	250A, 2P, Bolt On Circuit Breaker	рс	1.00					
	100A, 2P, Bolt On Circuit Breaker	рс	1.00					
	60A, 2P, Bolt On Circuit Breaker	рс	20.00					
	Manual Transfer Switch	lot	1.00					
	Misc. (Clamps, PVC Elbow, PVC Cement, etc)	lot	1.00					
	Sub-total							
	CIVILWORKS Removal of Concrete Structures/Obstructions		05.00					
		cu.m.	35.89					
	Excavation Backfilling & Compaction	cu.m.	323.05 62.75					
	Portland Cement	cu.m. bags	830.00					
	Crushed Gravel, 3/4	<u> </u>	160.00					
	Crushed Sand	cu.m. cu.m.	85.00					
	10mm Diam. RSB	pcs	1,800.00					
	#16 G.I. Tie Wire	kg	86.15					
	Rough Lumber	bd.f.t	200.00					
	Plywood, Ordinary 1/4"x 4'x 8	pcs	25.00					
	CWN	kg	10.00					
	Sub-total							
	TRANSFORMER							
	Transformer, Pole Type, 25 KVA, 22.86/13.2kV	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-	assy	1.00					
	Lightning Arrester, 24Kv, Ohio Brass	pc	1.00					
	Fuse Cut-Out, 23-27Kv, 100 Amps	pc	1.00					
	Fuse Link, 1A	pc	1.00					

ITEM NO.	DESCRIPTION	UNIT	QTY				COST	GRAND TOTAL
		0		MATERIAL	LABOR	MATERIAL	LABOR	
	Bracket Mounting For Fco & La (27Kv)	рс	1.00					
	Conductor Bare Wire, # 4/7 CU Pole, Concrete, 40' (Round)	m	6.00 1.00					
	Pole, Plates	pc	1.00					
	Anchor Log, 5' Std.	pc	1.00					
	Anchor Rod, 5/8" X 7', Single Eye	pc pc	1.00					
	Bolt Machine, 5/8" X 12"	pc	5.00					
	Bolt Thimble Eye, 5/8 X 12"	pc3 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	m	24.61					
	Guy Wire, 3/8" X 7 Strand	m	26.00					
	Nut, Lock 5/8"	рс	1.00					
	Washer Square, 4" X 4"	рс	1.00					
	Washer, 2 1/4" X 2 1/4"	рс	1.00					
	Connector Compression, YHO 150	pcs	5.00					
	Sub-total							
	KWHM, 1P, 2W, CL200, 240V, Form1S	set	1.00					
	Meter seal, plastic	рс	2.00					
	Sub-total							
	DOWEDHOUSE							
	POWERHOUSE EARTHWORKS							
	STRUCTURE EXCAVATION	cu.m	4					
	CONCRETING WORKS	cu.m.	4 12.872					
	Portland Cement	bag	116					
	Crushed Gravel 3/4"	cu.m	13					
	Washed Sand	cu.m	7					
	REBAR WORKS	ouim	•					
	Deformed Round Bars, Grade 40	kg	176.93					
	G.I. Tie Wire	kg	4					
	FORMWORKS							
	Coco Lumber	bd.ft	128					
	Plywood Ordinary, 1/2"x4'x8'	рс	5					
	CWN, Assorted	kg	4					
	MASONRY WORKS	sq.m	44.2					
	CHB 4" thk	pcs	553					
	Portland Cement	cu.m	23					
	Washed Sand	cu.m	2					
	10mm x 6m RSB	kg	59					
	G.I. Tie Wire	kg	2					
	PLASTERING	cu.m.	88.4					
	Portland Cement	bag	30					
	Washed Sand	cu.m	3					
	DOORS AND WINDOWS							
	Aluminum Roll Up Door (2.5mx2.7m)	set	1					
	W-1 Aluminum Louver Type (1m x 0.5m) W-2 Awning Window with grilles (1m x 0.3m)	set	1					
	ELECTRICAL WORKS	set	1					
	ELECTRICAL WORKS							
	2 x 18 Watts LED lamp with luminaire surface type	set	3					
	2 - Gang Convenience Outlet wide series	set	2					
	3.5mm2 THHN Copper Wire	mtrs	100					
	4 Branches Panel Board with 1 - 40AT, 2P Main							
	Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB	assembly	1					
	1/2" PVC Pipe	pcs.	7					
	Octagonal Junction Box	pcs.	5					
	Utility Box	pcs.	3					
	1 - Gang Switch with LED indicator	pcs.	2					
	Miscellaneous	lot	1					
	PAINTING WORKS	sq.m.	104					
	Latex, Flat	gal	6.00					
	Masonry Putty	gal	2.00					
	Latex, Semi Gloss	gal	11.00					
	Acri Color	gal	5.00					
	OTHERS							
	Water Proofing (Cement) 5kgs/bag	bags	30					
	Sub-total							
	GENERATOR							

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
ITEM NO.		UNIT		MATERIAL	LABOR	MATERIAL	LABOR	ORAND TOTAL
	45 KVA Single Phase Silent Type Diesel Generator							
	Set with complete accessories, Weather proof,	set	1.00					
	outdoor type, 60Hz, 230V							
	Sub-total							
	DIRECT COST				•	•		
	INDIRECT COST% of (I)							
	TAX 5% of (I + II)							
	TOTAL CONSTRUCTION COST (I + II + III)							



School	: BAGUIO CITY NATIONAL HIGH SCHOOL		Date:			October 8, 2019			
School I.D	: 136413		Budget A	location:					
Region	: CAR		Engineeri	ng and Adm	inistrative Overhead:				
Division	: BAGUIO CITY		Approved Budget for the Contract:						
Project Title	):		Completio	on Period:	150 calendar days				
			Minimum	Required M	anpower:				
	: UPGRADING OF ELECTRICAL SYSTEM		Electrical E	Engineer	Construction Foreman				
	. OF GRADING OF ELECTRICAL STOTEM		Master Ele	ectrician	Mason				
Location	: BAGUIO CITY		Minimum	Required E	quipment:				
			Hand Tool	-	Jackhammer	Dump Truck/Cargo Truck			
			Electrical <sup>-</sup>	Fools	Concrete Cutter	Knockout Puncher			
			Crimping 7	Fools	Heat Gun/Torch	Various Power Tools			
ITEM NO.	Item Description	% of	Unit	Quantity	Total Cost	Remarks			
		Total	•••••						
	I. DIRECT COST								
	GENERAL REQUIREMENTS		lot	1.00					
	ELECTRICAL WORK		lot	1.00					
	CIVILWORKS		lot	1.00					
	METERING REQUIREMENT		lot	1.00					
	GENERATOR		lot	1.00					
	Sub-total								
	II. INDIRECT COST % of (I)	-							
	Overhead Expenses ( %)								
	Contingencies (%)	+							
	Miscellaneous ( %)	+							
	Contractor's Profit ( %)								
	Sub-Total								
	III. TAX 5% of (I+II)								
	Sub-Total								
	IV. TOTAL CONSTRUCTION COST (I + II + III)								

### **DETAILED COST ESTIMATE**

PROJECT: UPGRADING OF ELECTRICAL SYSTEMSCHOOL: BAGUIO CITY NATIONAL HIGH SCHOOLLOCATION: BAGUIO CITYOWNER: DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT	соѕт	TOTAL	COST	GRAND TOTAL
TEM NO.	DESCRIPTION	UNIT	QIT	MATERIAL	LABOR	MATERIAL	LABOR	- GRAND IUTAL
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and	lot	1.00					
	Services/Demobilization							
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Fees for processing of electrical connections, CFEI, transformer testing & energization, preparation of Electrical Plans and all necessary documents required by BENECO	lot	1.00					
	Hauling cost	lot	1.00					
	Sub-total							
	ELECTRICAL WORK							
	Steel Pullbox, 6"x 6"x 4", with complete accs.	sets	24.00					
	80.0mm <sup>2</sup> THWN/THHN Copper Wire	m	180.00					
	50.0mm <sup>2</sup> THWN/THHN Copper Wire	m	200.00					
	30.0mm <sup>2</sup> THWN/THHN Copper Wire	m	200.00					
	22.0mm <sup>2</sup> THWN/THHN Copper Wire	m	600.00					
	UPVC Pipe 2, S-1000	pcs	200.00					
	RSC, 75 mmØ	рс	30.00					
	RSC, 100mmØ w/ Entrance Cap	рс	1.00					
	Adhesive Marker(color coded & properly labeled)	set	40.00					
	4"wide Underground Warning Tape	m	750.00					
	Heavy Duty Main Distribution Panel Box Center Main, 24 Branches with Grounding and Neutral Busbar	рс	1.00					
	250A, 3P, Bolt On Circuit Breaker	рс	1.00					
	125A, 3P, Bolt On Circuit Breaker	рс	3.00					
	100A, 2P, Bolt On Circuit Breaker	рс	1.00					
	60A, 2P, Bolt On Circuit Breaker	рс	20.00					
	Manual Transfer Switch	lot	1.00					
	Misc. (Clamps, PVC Elbow, PVC Cement, etc)	lot	1.00					
	Sub-total							
	CIVILWORKS							
	Removal of Concrete Structures/Obstructions	cu.m.	16.40					
	Excavation	cu.m.	264.47					
	Backfilling & Compaction	cu.m.	44.05					
	Portland Cement	bags	280.00					
	Crushed Gravel, 3/4	cu.m.	56.00					
	Crushed Sand	cu.m.	36.00					
	10mm Diam. RSB #16 G.I. Tie Wire	pcs	320.00					
		kg	25.00					
	Rough Lumber	bd.f.t	600.00					
	Plywood, Ordinary 1/4"x 4'x 8 CWN	pcs	50.00					
	Sub-total	kg	38.00					
	Sub-lotal							
	METERING REQUIREMENT							
	KWHM, 1P, 2W, CL200, 240V, Form1S	set	21.00					
	Meter, KWH, 3 Phase, Class 20, 240V, 3W, Form	361	21.00			+		
		set	3.00					
	9S, Electronic, Demand & Energy	0.54	24.00					
	Meter Box	set						
	Meter seal, plastic	рс	48.00					
	Sub-total							

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL	COST	GRAND TOTAL
II Elli NO.		UNIT	<b>Q</b>	MATERIAL	LABOR	MATERIAL	LABOR	CITAL TOTAL
	GENERATOR							
	125 KVA 3 Phase Silent Type Diesel Generator Set with complete accessories, Weather proof, outdoor type, 60Hz, 230V	set	1.00					
	Sub-total							
	DIRECT COST							
	INDIRECT COST% of (I)							
	TAX 5% of (I + II)							
	TOTAL CONSTRUCTION COST (I + II + III)							



School	: JOAQUIN SMITH NATIONAL HIGHSCHOOL		Date:			October 8, 2019
School I.D	: 325284		Budget A	llocation:		PHP 0.00
Region	: CAR		Engineeri	ing and Adm	inistrative Overhead:	PHP 0.00
Division	: BAGUIO CITY				the Contract:	PHP 0.00
Project Title	:		Completi	on Period:	150 calendar days	
•				Required Ma		
	: UPGRADING OF ELECTRICAL SYSTEM		Electrical		Carpenter	Construction Foreman
	UPGRADING OF ELECTRICAL STSTEM		Master Ele	ectrician	Mason	
Location	: BAGUIO CITY		Minimum	Required Ed	uipment:	
			Hand T	ools	Come Along Cable Puller	Hole Digger
			Electric	al Tools	Lineman's Belt	~~
ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
	GENERAL REQUIREMENTS		lot	1.00		
	ELECTRICAL UPGRADING					•
	MAIN LINE / MAIN POST		lot	1.00		
	PROTECTION MEANS PER BUILDING					
	(MOUNTED OUTSIDE THE BUILDING		let	1.00		
	BEFORE ENTERING THE SERVICE		lot	1.00		
	ENTRANCE WIRE)					
	IMPROVEMENT COVERED COURT					
	LIGHTINGS		lot	1.00		
	SERVICE LINE FROM POST TO BUILDING		lot	1.00		
	Sub-total					
	II. INDIRECT COST% of (I)					
	Overhead Expenses (%)					
	Contingencies (%)					
	Miscellaneous (%)					
	Contractor's Profit (%)					
	Sub-Total					
	III. TAX 5% of (I+II)					
	Sub-Total					
	IV. TOTAL CONSTRUCTION COST (I + II + III)					

### PROJECT : UPGRADING OF ELECTRICAL SYSTEM

SCHOOL : JOAQUIN SMITH NATIONAL HIGHSCHOOL

LOCATION : BAGUIO CITY

OWNER : DEPARTMENT OF EDUCATION

	D. DESCRIPTION		ΟΤΥ	UNIT COST		TOTAL	COST	GRAND TOTAL	
ITEM NO.	DESCRIPTION	UNIT	QTY	MATERIAL	LABOR	MATERIAL	LABOR	GRANDIOTAL	
	GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and	lot	1.00						
	Services/Demobilization								
	Safety and Health	lot	1.00						
	Project Billboard	lot	1.00						
	Fire Safety Inspection Certificate (FSIC)	lot	1.00						
	Fees for processing of electrical connections,								
	CFEI, transformer testing & energization,	lot	1.00						
	preparation of Electrical Plans and all necessary								
	documents required by BENECO								
	Clearing ROW of Primary and Secondary Line	lot	1.00						
	Hauling cost	lot	1.00						
	Sub-total								
	MAIN LINE / MAIN POST		44.00						
	Pole, Steel, 30' (3.0mm)	pieces	14.00						
	Pole, Steel, 35' (3.0mm) Block, Anchor, Concrete	pieces	1.00 14.00						
	Bolt, Oval Eye, 5/8" X 9"	pieces	30.00						
	Bolt, Oval Eye, 5/8" X 10"	pieces pieces	30.00						
	Bolt, Machine, 5/8" X 10"	pieces	30.00						
	Bolt, Single Upset, 5/8" X 10"	pieces	15.00						
	Bracket, Clevis Deadend without Spool	pieces	15.00						
	Clamp, Hot Line, #2 - #2/0 ACSR Main to #2 -	piccos							
	#2/0	pieces	1.00						
	Clamp, Anchor Rod Bonding, Single Eye	pieces	13.00						
	Clamp, Loop Deadend, #1/0 ACSR	•	11.00						
	Clamp, Deadend Strain, #1/0 ACSR	pieces pieces	11.00						
	Clamp, Guy Straight, 3 Bolt, Heavy Duty Steel	pieces	26.00						
	Clevis, Secondary Swinging without Spool	pieces	9.00						
	Conductor, Bare, ACSR #2, AWG 6/1	meters	1.00						
	Conductor, Bare, ACSR #2/0, AWG 6/1	meters	1500.00						
	Conductor, Insulated, ACSR #2, AWG 6/1 (600 V)	meters	4.00						
	Conductor, Insulated, ACSR #2/0, AWG 6/1 (600 V)	meters	1400.00						
	Connector, Compression, YHO 150, #3 - #1/0 ACSR Run To #6 - #2	pieces	30.00						
	Connector, Compression, YHD 300, #1/0 - #2/0 ACSR Run To #1/0 - #2/0	pieces	9.00						
	Connector, Ground Rod (Clamp) for 5/8" Steel Rod	pieces	9.00						
	Cutout, Fuse, Single-Shot, Polymer	piece	1.00						
	Cutout and Arrester Combination, Polymer	set	1.00						
	Hook, Guy	pieces	27.00						
	Insulator, Spool, 1-3/4", ANSI, Class 53 - 2	pieces	11.00						
	Insulator, Spool, 3", ANSI, Class 53 - 4	pieces	13.00						
	Insulator, Suspension, 6", Porcelain, Clevis Type	pieces	6.00						
	Link, Fuse, Universal, Bottom Head, Type K, 2 Amperes	piece	1.00						
	Meter, KWH, 1 Phase, Class 200, 2 W, 240 V, Socket Type, Electronic, Form 1S	piece	1.00						
	Nut, Lock, Mf Type, 5/8"	pieces	33.00			1			
	Rod, Anchor, Threaded, Single Eye, 5/8" X 7'	pieces	15.00			1			
	Rod, Armor, Preformed, #1/0 ACSR, Single Support	sets	15.00						
	Rod, Tapping, Preformed, #1/0 ACSR	sets	1.00			+			
	Rod, Ground Steel, Galvanized, 5/8" X 10'	pieces	4.00			1			

	DESCRIPTION	LINUT	OTV	UNIT	соѕт	TOTAL	COST	GRAND TOTAL
ITEM NO.	DESCRIPTION	UNIT	QTY	MATERIAL	LABOR	MATERIAL	LABOR	GRANDIOTAL
	Lug, Terminal for #2 ACSR	pieces	6.00					
	Socket, Ringless, 200 Amperes, 4 Jaws	set	1.00					
	Transformer, Pole Type, Conventional,		4.00					
	Amorphous, 37.5 KVA	unit	1.00					
	Washer, Square, Flat, 2-1/4" X 2-1/4" X 3/16",		40.00					
	13/16" Diameter Hole	pieces	18.00					
	Washer, Square, Flat, 4" X 4" X 1/2" with 7/8"		10.00					
	Diameter Hole	pieces	16.00					
	Wire, Tie, Insulated, Soft, #4 AWG	feet	18.00					
	Wire, Tape, Armor, Aluminum Alloy, 0.5 " X 0.3"	feet	4.00					
		1000	4.00					
	Wire, Grounding, Aluminum Alloy, 3 Strand, #4	feet	150.00					
	AWG Wire, Guy, Steel, 3/8", 7 Strand	feet	250.00					
	Wire, Tape, Armor, Aluminum Alloy, 0.5 " X 0.3"	feet	6.00					
	Wire, Grounding, Aluminum Alloy, 3 Strand, #4	feet	191.32					
	AWG	1000	101.02					
	Weather proof 75 Watts LED perimeter lightings							
	with complete wires, mounting bracket, and	set	7.00					
	switching accessories. With motion sensor and	301	1.00					
	Photo switch							
	Sub-total							
	PROTECTION MEANS PER BUILDING (MOUNTI	ED OUTSID	E THE BU	ILDING BEFO	RE ENTERING	THE SERVIC	E ENTRANCE	WIRE)
	Circuit Breaker Enclosure NEMA 3R	pcs	16.00					
	125A Molded Case Circuit Breaker, 2P	set	8.00					
	100A Molded Case Circuit Breaker, 2P	set	8.00					
	RSC Pipe 1 1/2 " dia.	pcs	32.00					
	RSC Elbow 1 1/2" dia.	pcs	64.00					
	RSC Coupling 1 1/2" dia.	pcs	16.00					
	RSC Clamp with screw 1 1/2" dia.	pcs	32.00					
	RSC Locknut 1 1/2" dia.	pcs	20.00					
	RSC Bushing 1 1/2" dia.	pcs	20.00					
	38mm2 THHN Copper Wire	mtrs.	300.00					
	Service Entrance Cap 1 1/2" dia.	pcs	16.00					
	Sub-total							
	IMPROVEMENT COVERED COURT LIGHTINGS							
	200W HIGH BAY LED LIGHT	set	10.00					
	Prefabricated Anchoring for HIGH BAY LED	Assembly	10.00					
	LIGHT							
	6 Branches Panel Board with 40AT Centermain							
	Circuit Breaker and 6 sets - 15 AT Circuit	Assembly	1.00					
	breaker,NEMA 3R Enclosure for covered court.							
	3.5mm2 THHN Copper Wire Stranded	mtrs.	300.00					
	Scaffolding rentals	lot	1.00					
	Sub-total							
	SERVICE LINE FROM POST TO BUILDING							
	#4 Insulated All Aluminum Conductor	m	600.00					
	PVC Pipe 25mm dia.	pcs	16.00					
	Service Cap 25mm	pcs	16.00					
	Double Rack Spool Insulator	set	16.00					
	Electrical Tape	рс	10.00					
	Rubber Tape	рс	8.00					
	Sub-total							
	DIRECT COST							
	INDIRECT COST% of (I)							
	TAX 5% of (I + II)							
	TOTAL CONSTRUCTION COST (I + II + III)							



School	: GUISAD VALLEY NATIONAL HIGHSCHOOL		Date:			October 8, 2019				
School I.D	: 305282		Budget A	location:						
Region	: CAR		Engineeri	ng and Adm	inistrative Overhead:					
Division	: BAGUIO CITY		Approved	Budget for	the Contract:					
Project Title	):		Completion Period: 150 calendar days							
			Minimum	Required Ma	anpower:					
	: UPGRADING OF ELECTRICAL SYSTEM		Electrical Engineer Carpenter Construction Forem							
			Master Electrician Mason							
Location	ocation : BAGUIO CITY			Required Ec	uipment:					
		Hand Tool	s	Jackhammer	Dump Truck/Cargo Truck					
		Electrical <sup>-</sup>	Fools	Concrete Cutter	Knockout Puncher					
			Crimping -	Fools	Heat Gun/Torch	Various Power Tools				
ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks				
	I. DIRECT COST									
	GENERAL REQUIREMENTS		lot	1.00						
	ELECTRICAL WORK		lot	1.00						
	CIVILWORKS		lot	1.00						
	TRANSFORMER		lot	1.00						
	METERING REQUIREMENT		lot	1.00						
	POWERHOUSE		lot	1.00						
	GENERATOR		lot	1.00						
	Sub-total									
	II. INDIRECT COST% of (I)									
	Overhead Expenses (%)									
	Contingencies (%)									
	Miscellaneous (%)									
	Contractor's Profit (%)									
	Sub-Total									
		III. TAX 5% of (I+II)								
	Sub-Total									
	IV. TOTAL CONSTRUCTION COST (I + II + III)									

### PROJECT : UPGRADING OF ELECTRICAL SYSTEM

SCHOOL : GUISAD VALLEY NATIONAL HIGHSCHOOL LOCATION : BAGUIO CITY

	DESCRIPTION		UNIT QTY		UNIT COST		COST	GRAND TOTAL	
ITEM NO.	DESCRIPTION	UNIT	QIT	MATERIAL	LABOR	MATERIAL	LABOR	- GRAND TOTAL	
	GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and	1-1	4.00						
	Services/Demobilization	lot	1.00						
	Safety and Health	lot	1.00						
	Project Billboard	lot	1.00						
	Fire Safety Inspection Certificate (FSIC)	lot	1.00						
	Fees for processing of electrical connections,								
	CFEI, transformer testing & energization,		1.00						
	preparation of Electrical Plans and all necessary	lot	1.00						
	documents required by BENECO								
	Hauling cost	lot	1.00						
	Sub-total	IOL	1.00						
	SERVICE LINE								
	ELECTRICAL WORK								
	Steel Pullbox, 6"x 6"x 4", with complete accs.	sets	11.00						
	80.0mm <sup>2</sup> THWN/THHN Copper Wire	m	150.00						
	50.0mm <sup>2</sup> THWN/THHN Copper Wire	m	510.00						
	30.0mm <sup>2</sup> THWN/THHN Copper Wire	m	520.00						
	14.0mm <sup>2</sup> THWN/THHN Copper Wire	m	2,000.00						
	UPVC Pipe 2", S-1000	pcs	600.00						
	RSC, 75 mmØ	pcs	30.00						
	RSC, 100mmØ w/ Entrance Cap	pc pc	2.00						
	Adhesive Marker(color coded & properly labeled)	set	40.00						
	4"wide Underground Warning Tape	m	750.00						
	Heavy Duty Main Distribution Panel Box Center								
	Main, 12 Branches with Grounding and Neutral	рс	1.00						
	Busbar	•							
	250A, 2P, Bolt On Circuit Breaker	рс	1.00						
	100A, 2P, Bolt On Circuit Breaker	рс	3.00						
	60A, 2P, Bolt On Circuit Breaker	рс	8.00						
	Manual Transfer Switch	lot	1.00						
	Misc. (Clamps, PVC Elbow, PVC Cement, etc)	lot	1.00						
	Weather proof 75 Watts LED perimeter lightings								
	with complete wires, mounting bracket, and								
	switching accessories. With motion sensor and	set	7.00						
	Photo switch. (To be mounted on building								
	structures)								
	Sub-total								
	CIVILWORKS								
	Removal of Concrete Structures/Obstructions	cu.m.	21.28						
	Excavation	cu.m.	191.52						
	Backfilling & Compaction	cu.m.	39.32						
	Portland Cement	bags	760.00						
	Crushed Gravel, 3/4 Crushed Sand	cu.m.	120.00						
		cu.m.	75.00						
	10mm Diam. RSB #16 G.I. Tie Wire	pcs	1,300.00 43.80						
	Rough Lumber	kg bd.f.t	200.00						
	Plywood, Ordinary 1/4"x 4'x 8		100.00			+			
	ÇWN	pcs kg	100.00						
	Sub-total	кy	10.00						
	TRANSFORMER								
	Transformer, Pole Type, 25 KVA, 22.86/13.2kV	set	1.00						
1		301		1		1		1	

ITEM NO.	DESCRIPTION	UNIT	QTY		COST		COST	GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Guying Assembly, E1-2 Grounding Assembly, M2-1A	assy	1.00					
	Miscellaneous Assembly, M5-1(#2/0), M5-	assy	1.00 1.00					
	Lightning Arrester, 24Kv, Ohio Brass	assy pc	1.00					
	Fuse Cut-Out, 23-27Kv, 100 Amps	pc pc	1.00					
	Fuse Link, 1A	pc pc	1.00					
	Bracket Mounting For Fco & La (27Kv)	pc pc	1.00					
	Conductor Bare Wire, # 4/7 CU	m	6.00					
	Pole, Concrete, 40' (Round)	рс	1.00					
	Pole, Plates	pc	1.00					
	Anchor Log, 5' Std.	pc	1.00					
	Anchor Rod, 5/8" X 7', Single Eye	рс	1.00					
	Bolt Machine, 5/8" X 12"	pcs	4.00					
	Bolt Thimble Eye, 5/8 X 12"	рс	1.00					
	Clamp Guy, 3-Bolt Hd	pcs	2.00					
	Clamp Hot Line #2/0	рс	1.00					
	Ground Rod, 5/8" X 10' Galvanized w/Clamp	рс	1.00					
	Ground Wire, # 5/16 Steel, 3 Strand	m	20.14					
	Guy Wire, 3/8" X 7 Strand	m	22.10					
	Nut, Lock 5/8"	рс	10.00					
	Washer Square, 4" X 4"	рс	5.00					
	Washer, 2 1/4" X 2 1/4"	рс	5.00					
	Connector Compression, YHO 150	pcs	3.00					
	Sub-total							
			4.00					
	KWHM, 1P, 2W, CL200, 240V, Form1S Meter seal, plastic	set	1.00					
	Sub-total	рс	2.00					
	POWERHOUSE							
	EARTHWORKS							
	STRUCTURE EXCAVATION	cu.m	4					
	CONCRETING WORKS	cu.m.	12.872					
	Portland Cement	bag	116					
	Crushed Gravel 3/4"	cu.m	13					
	Washed Sand	cu.m	7					
	REBAR WORKS							
	Deformed Round Bars, Grade 40	kg	176.93					
	G.I. Tie Wire	kg	4					
	FORMWORKS							
	Coco Lumber	bd.ft	128					
	Plywood Ordinary, 1/2"x4'x8'	рс	5					
	CWN, Assorted	kg	4					
	MASONRY WORKS	sq.m	44.2					
	CHB 4" thk	pcs	553					
	Portland Cement	cu.m	23					
	Washed Sand	cu.m	2					
	10mm x 6m RSB	kg	59					
	G.I. Tie Wire							
		kg	2					
	PLASTERING	cu.m.	88.4					
	PLASTERING Portland Cement	cu.m. bag	88.4 30					
	PLASTERING Portland Cement Washed Sand	cu.m.	88.4					
	PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS	cu.m. bag cu.m	88.4 30 3					
	PLASTERING Portland Cement Washed Sand DOORS AND WINDOWS Aluminum Roll Up Door (2.5mx2.7m)	cu.m. bag cu.m set	88.4 30 3 1					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)	cu.m. bag cu.m set set	88.4 30 3 1 1					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)	cu.m. bag cu.m set	88.4 30 3 1					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS	cu.m. bag cu.m set set set	88.4 30 3 1 1 1					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type	cu.m. bag cu.m set set set set	88.4 30 3 1 1 1 1 3					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series	cu.m. bag cu.m set set set set set set	88.4 30 3 1 1 1 1 3 3 2					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire	cu.m. bag cu.m set set set set set set set set	88.4 30 3 1 1 1 1 3 3 2 100					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB	cu.m. bag cu.m set set set set set set set set set set	88.4 30 3 1 1 1 1 3 3 2					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire	cu.m. bag cu.m set set set set set set set set	88.4 30 3 1 1 1 1 3 3 2 100 1					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box	cu.m. bag cu.m set set set set set set assembly pcs.	88.4 30 3 1 1 1 1 3 3 2 100 1 7					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe	cu.m. bag cu.m set set set set set set assembly pcs. pcs.	88.4 30 3 1 1 1 1 1 3 3 2 100 1 1 7 5					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box	cu.m. bag cu.m set set set set set mtrs assembly pcs. pcs. pcs.	88.4 30 3 1 1 1 1 1 3 3 2 100 100 1 7 5 3					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator	cu.m. bag cu.m set set set set set mtrs assembly pcs. pcs. pcs. pcs.	88.4 30 3 1 1 1 1 3 2 100 100 1 7 5 3 2 2					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous	cu.m. bag cu.m set set set set mtrs assembly pcs. pcs. pcs. pcs. pcs. lot	88.4 30 3 1 1 1 1 3 2 100 1 1 7 5 3 2 1 1					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS	cu.m. bag cu.m set set set set set mtrs assembly pcs. pcs. pcs. pcs. lot sq.m.	88.4 30 3 1 1 1 1 3 2 100 1 1 7 5 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat	cu.m. bag cu.m set set set set set mtrs assembly pcs. pcs. pcs. pcs. lot sq.m. gal	88.4 30 3 1 1 1 1 3 2 100 1 1 7 5 3 2 1 104 6.00					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat         Masonry Putty	cu.m. bag cu.m set set set set set assembly pcs. pcs. pcs. pcs. lot sq.m. gal gal	88.4 30 3 1 1 1 1 3 2 100 1 1 7 5 3 2 1 104 6.00 2.00					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat         Masonry Putty         Latex, Semi Gloss	cu.m. bag cu.m set set set set set assembly pcs. pcs. pcs. pcs. lot sq.m. gal gal	88.4 30 3 1 1 1 1 1 3 2 100 1 7 5 3 2 1 104 6.00 2.00 11.00					
	PLASTERING         Portland Cement         Washed Sand         DOORS AND WINDOWS         Aluminum Roll Up Door (2.5mx2.7m)         W-1 Aluminum Louver Type (1m x 0.5m)         W-2 Awning Window with grilles (1m x 0.3m)         ELECTRICAL WORKS         2 x 18 Watts LED lamp with luminaire surface type         2 - Gang Convenience Outlet wide series         3.5mm2 THHN Copper Wire         Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB         1/2" PVC Pipe         Octagonal Junction Box         Utility Box         1 - Gang Switch with LED indicator         Miscellaneous         PAINTING WORKS         Latex, Flat         Masonry Putty         Latex, Semi Gloss         Acri Color	cu.m. bag cu.m set set set set set assembly pcs. pcs. pcs. pcs. lot sq.m. gal gal	88.4 30 3 1 1 1 1 1 3 2 100 1 7 5 3 2 1 104 6.00 2.00 11.00					

ITEM NO.	DESCRIPTION			UNIT COST		TOTAL COST		GRAND TOTAL
	DECOMINION	U.M.		MATERIAL	LABOR	MATERIAL	LABOR	ORAND TOTAL
	GENERATOR							
	45 KVA Single Phase Silent Type Diesel Generator							
	Set with complete accessories, Weather proof,	set	1.00					
	outdoor type, 60Hz, 230V							
	Sub-total							
	DIRECT COST							
	INDIRECT COST% of (I)							
	TAX 5% of (I + II)							
	TOTAL CONSTRUCTION COST (I + II + III)							



School I.D Region Division	: 136394 : CAR					
	045		Budget A	llocation:	PHP 0.00	
Division	: CAR		Engineeri	ng and Adm	PHP 0.00	
	: BAGUIO CITY		Approved	Budget for	the Contract:	PHP 0.00
Project Title	:		Completie	on Period:	150 calendar days	
			Minimum	<b>Required M</b>		
	: UPGRADING OF ELECTRICAL SYSTEM		Electrical I	<u> </u>	Carpenter	Construction Foreman
			Master Ele	ectrician	Mason	
Location	: BAGUIO CITY		Minimum	Required E	quinmont:	
Location			Hand Tool		Jackhammer	Dump Truck/Cargo Truck
			Electrical		Concrete Cutter	Knockout Puncher
			Crimping		Heat Gun/Torch	Various Power Tools
			Simpling	10010		
ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
	GENERAL REQUIREMENTS		LOT	1.00		
	ELECTRICAL WORK		LOT	1.00		
	CIVILWORKS		LOT	1.00		
	TRANSFORMER	_	LOT	1.00		
	METERING REQUIREMENT	_	LOT	1.00		
	POWERHOUSE		LOT	1.00		
	GENERATOR		LOT	1.00		
	Sub-total					
	II. INDIRECT COST% of (I)					
	Overhead Expenses (%)					
	Contingencies (%)					
	Miscellaneous (%)					
	Contractor's Profit (%)					
	Sub-Total					
	III. TAX 5% of (I+II)					
	Sub-Total					
	IV. TOTAL CONSTRUCTION COST (I + II + III)					

### PROJECT : UPGRADING OF ELECTRICAL SYSTEM

SCHOOL : LUCBAN ELEMENTARY SCHOOL LOCATION : BAGUIO CITY

OWNER	: DEPARTMENT OF EDUCATION

	DECODIDEION		071	UNIT COST		TOTAL	GRAND TOTAL		
ITEM NO.	DESCRIPTION	UNIT	QTY	MATERIAL	LABOR	MATERIAL	LABOR	- GRAND TOTAL	
	GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and		1.00						
	Services/Demobilization	lot	1.00						
	Safety and Health	lot	1.00						
	Project Billboard	lot	1.00						
	Fire Safety Inspection Certificate (FSIC)	lot	1.00						
	Fees for processing of electrical connections,								
	CFEI, transformer testing & energization, preparation of Electrical Plans and all necessary documents required by BENECO	lot	1.00						
	Hauling cost	lot	1.00						
	Sub-total	IOL	1.00						
	Sub-total								
	SERVICE LINE								
-	ELECTRICAL WORK								
	Steel Pullbox, 6"x 6"x 4", with complete accs.	coto	20.00						
	80.0mm <sup>2</sup> THWN/THHN Copper Wire	sets	150.00						
	30.0mm <sup>2</sup> THWN/THHN Copper Wire	m	400.00						
	22.0mm <sup>2</sup> THWN/THHN Copper Wire	m	900.00						
	22.0mm <sup>2</sup> THWN/THHN Copper Wire 14.0mm <sup>2</sup> THWN/THHN Copper Wire	m							
	UPVC Pipe 2, S-1000	m	2,400.00						
	RSC, 75 mmØ	pcs	550.00 30.00						
	RSC, 100mmØ w/ Entrance Cap	pc	1.00						
	Adhesive Marker(color coded & properly labeled)	pc	40.00						
	4"wide Underground Warning Tape	set	750.00						
	Heavy Duty Main Distribution Panel Box Center	m	1.00						
	250A, 2P, Bolt On Circuit Breaker	pc	1.00						
	100A, 2P, Bolt On Circuit Breaker	pc	2.00						
	60A, 2P, Bolt On Circuit Breaker	pc	18.00						
	Manual Transfer Switch	pc	1.00						
	Misc. (Clamps, PVC Elbow, PVC Cement, etc)	lot lot	1.00						
	Sub-total	IOL	1.00						
	Sub-total								
	CIVILWORKS Removal of Concrete Structures/Obstructions	011 00	25.60						
	Excavation	cu.m.	230.42						
	Backfilling & Compaction	cu.m.	43.80						
	Portland Cement	cu.m. bags	880.00						
	Crushed Gravel. 3/4	cu.m.	143.00						
	Crushed Sand		85.00						
	10mm Diam. RSB	cu.m. pcs	1,888.00						
	#16 G.I. Tie Wire	kg	70.00						
	Rough Lumber	-	1,100.00						
	Plywood, Ordinary 1/4"x 4'x 8	bd.f.t pcs	70.00						
	ÇWN	kg	38.00						
	Sub-total	ĸġ	36.00						
						+			
	TRANSFORMER								
	Transformer, Pole Type, 25 KVA, 22.86/13.2kV	sot	1.00						
	Anchoring Assembly, F2-1	set	1.00			+			
	Guying Assembly, E1-2	assy	1.00						
	Grounding Assembly, M2-1A	assy	1.00						
	Miscellaneous Assembly, M2-1A	assy							
L	11130-11(#2/0), 113-	assy	1.00						

ITEM NO.	DESCRIPTION	UNIT	QTY		COST		COST	GRAND TOTAL
	Lightning Arrester, 24Kv, Ohio Brass	рс	1.00	MATERIAL	LABOR	MATERIAL	LABOR	
	Fuse Cut-Out, 23-27Kv, 100 Amps	pc	1.00					
	Fuse Link, 1A	pc	1.00					
	Bracket Mounting For Fco & La (27Kv)	рс	1.00					
	Conductor Bare Wire, # 4/7 CU	m	6.00					
	Pole, Concrete, 40' (Round)	рс	1.00					
	Pole, Plates	рс	1.00					
	Anchor Log, 5' Std.	рс	1.00					
	Anchor Rod, 5/8" X 7', Single Eye	рс	1.00					
	Bolt Machine, 5/8" X 12"	pcs	4.00					
	Bolt Thimble Eye, 5/8 X 12" Clamp Guy, 3-Bolt Hd	рс	1.00					
	Clamp Hot Line #2/0	pcs pc	2.00					
	Ground Rod, 5/8" X 10' Galvanized w/Clamp	pc	1.00					
	Ground Wire, # 5/16 Steel, 3 Strand	m	27.08					
	Guy Wire, 3/8" X 7 Strand	m	27.00					
	Nut, Lock 5/8"	рс	10.00					
	Washer Square, 4" X 4"	рс	10.00					
	Washer, 2 1/4" X 2 1/4"	рс	10.00					
	Connector Compression, YHO 150	pcs	2.00					
	Sub-total							
	METERING REQUIREMENT							
	KWHM, 1P, 2W, CL200, 240V, Form1S	set	1.00					
	Meter seal, plastic	рс	2.00					
	Sub-total							
	POWERHOUSE							
	POWERHOUSE							
	EARTHWORKS STRUCTURE EXCAVATION	cu.m	4					
	CONCRETING WORKS	cu.m.	4 12.872					
	Portland Cement	bag	116					
	Crushed Gravel 3/4"	cu.m	13					
	Washed Sand	cu.m	7					
	REBAR WORKS							
	Deformed Round Bars, Grade 40	kg	176.93					
	G.I. Tie Wire	kg	4					
	FORM WORKS							
	Coco Lumber	bd.ft	128					
	Plywood Ordinary, 1/2"x4'x8'	рс	5					
	CWN, Assorted	kg	4					
	MASONRY WORKS	sq.m	44.2					
	CHB 4" thk	pcs	553					
	Portland Cement	cu.m	23					
	Washed Sand	cu.m	2 59					
	10mm x 6m RSB G.I. Tie Wire	kg kg	59 2					
	PLASTERING	cu.m.	88.4					
	Portland Cement	bag	30					
	Washed Sand	cu.m	3					
	DOORS AND WINDOWS		-					
	Aluminum Roll Up Door (2.5mx2.7m)	set	1					
	W-1 Aluminum Louver Type (1m x 0.5m)	set	1					
	W-2 Awning Window with grilles (1m x 0.3m)	set	1					
	ELECTRICAL WORKS							
	2 x 18 Watts LED lamp with luminaire surface type	set	3					
	2 - Gang Convenience Outlet wide series	set	2					
	3.5mm2 THHN Copper Wire	mtrs	100					
	Breaker 1 - 15AT, 2P CB, 1 - 20AT, 2P CB	assembly	1					
	1/2" PVC Pipe	pcs.	7					
	Octagonal Junction Box	pcs.	5					
	Utility Box	pcs.	3					
	1 - Gang Switch with LED indicator Miscellaneous	pcs. lot	2					
	PAINTING WORKS	sq.m.	104					
	Latex, Flat	gal	6.00					
	Masonry Putty	gal	2.00					
	Latex, Semi Gloss	gal	11.00			1		
	Acri Color	gal	5.00			1		1
	OTHERS	9	5.00					
	Water Proofing (Cement) 5kgs/bag	bags	30					
	Sub-total							
					1			

ITEM NO.	DESCRIPTION			UNIT COST		TOTAL COST		GRAND TOTAL
	DECOMINION	U.M.		MATERIAL	LABOR	MATERIAL	LABOR	ORAND TOTAL
	GENERATOR							
	45 KVA Single Phase Silent Type Diesel Generator							
	Set with complete accessories, Weather proof,	set	1.00					
	outdoor type, 60Hz, 230V							
	Sub-total							
	DIRECT COST							
	INDIRECT COST% of (I)							
	TAX 5% of (I + II)							
	TOTAL CONSTRUCTION COST (I + II + III)							



Republic of the Philippines DEPARTMENT OF EDUCATION CORDILLERA ADMINISTRATIVE REGION Wangal, La Trinidad, Benguet, 2601 Website: www.depedcar.ph | Email: car@deped.gov.ph



# **BID BULLETIN NO. 1**

то

All bidders All concerned

FLORANTE E. VERGARA

FROM

BAC Chairperson

PROJECT

Electrification of Un-Energized Schools and Modernization of Electrical Systems On-Grid Schools Under CY 2019 basic Educational Facilities Fund

For the information of all concerned:

ISSUES	AGREEMENTS
1. Experience and trainings of	Should have 2 years experience
Lineman	> Aside from TESTDA Accredited
(12.1 (b)(ii.2) of Bid Data Sheet)	trainings, NEA Accredited
	trainings will be
	accepted/considered.
2. Project Engineers	Should be Electrical Engineer
	<ul> <li>Civil Engineers are not required</li> </ul>
3. Construction Foreman	2 years experience
(experience)	
(12.1 (b)(ii.2) of Bid Data Sheet)	
4. Certification of non-slippage	For the ongoing projects only
5. PCAB License	Small B Category
	Similar Contract with experience
	should be 50% without similar
	contract is within the ARCC

· · · · ·						•	
Office of the ARD ICT Unit Public Affairs Unit	· ·	Administrative Division Cash Section Payroll Section Records Section Supply Section General Services Unit	422-1804 423-2215 424-3993 423-2213 422-2198 422-1804	CLMD LRMDS ESSD Finance Division FTAD	422-7096 422-0615 423-2218 422-5155 424-5187	HRDD NEAP-R PPRD QuAD COA	422-9590 422-5500 422-9590 422-5187 422-7434

6. Site Inspection	
	Picture of the site with the school head or OIC/TIC or principal and the contractor is to be submitted. The person who will do the site inspection should be part of the organizational chart.
<ol> <li>Soft copy in flash drive of (1) &amp; (2)</li> </ol>	Soft copy submitted should be
13.1 (b) of Bid Data Sheet	the same as the hard copy. It
8. Cash Flow	should be in excel files.
9. Submission of Bids	It will be per month
	It shall be submitted to the BAC Secretariat at the Administrative Division at the time and date stated in the ITB and Bid docs
10. Terms of Payment	<ul> <li>Ising and Bid docs</li> <li>Ising and Bid docs</li> <li>Ising and Bid docs</li> </ul>
	(Equipment/materials should be available on site)
11.Special Power of Attorney	<ul> <li>50% and 100% billing</li> <li>Special Power of Attorney should</li> </ul>
	<ul> <li>be project based; It can be per lot or as one</li> <li>No need for SPA on the purchased of BID DOCS</li> </ul>
12. Overhead (electrical wire)	<ul> <li>Preferably "ROYU, PHELPS DODGE"</li> </ul>
	Can submit other "BRAND" for Approval
13. Generator	There should be a pre-inspection before installation.
14. Transformer	It will be procured at BENECO so as to avoid any problems regarding maintenance later (Buy-back scheme)

Date: November 20, 2019

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