Project: **Maintenance of Pump House (MPF-MOC-15-2025)**

Location: Port of Cagayan de Oro

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1.0	**Water repiping and replacement of existing valves, pressure switch and controller**	1.00	Lot		
	Work Description				
	To supply materials, labor, tools and equipment for the repiping and replacement of existing valves, pressure switch and controller of the water piping system of the pump house				
	Materials				
	2"Ø Brass Gate Valve	2.00	pcs		
	2"Ø Brass Check Valve	2.00	pcs		
	2"Ø Brass Foot Valve	2.00	pcs		
	2"Ø Schedule 40 Black Iron Pipe	10.00	length		
	Heavy Duty Pressure Switch	2.00	pcs		
	Automatic Pump Controller	2.00	set		
	3/4" Teflon Tape	25.00	roll		
	1/2" Heavy Duty Pressure Gauge	2.00	pcs		
	10"Ø Brass Gate Valve	2.00	pcs		
	Penetrating Oil (382 ml)	25.00	can		
	Equipment				
1	- Welding Machine	7.00	day(s)		
	Manpower				
1	- Highky Skilled Labor (Pipe Fitter)	10.00	day(s)		
3	- Skilled Labor	10.00	day(s)		
	ESTIMATED DIRECT COST				₱
	ESTIMATED INDIRECT COST				₱
	TOTAL COST OF WORK ITEM 1				₱
2.0	**Rewiring of power supply and refurbishment of control panel**	1.00	Lot		
	Work Description				
	To supply materials, labor, tools and equipment for the rewiring of power supply and refurbishment of control panel				
	Materials				
	#8 (8.0mm2) THHN/THWN Stranded Copper Wire	1.00	roll		
	#12 (3.5mm2) THHN/THWN Stranded Copper Wire	1.00	roll		
	#14 (2.0mm2) THHN/THWN Stranded Copper Wire	1.00	roll		
	Contact Relay	8.00	pcs		
	8 Round 8 Pin Power Relay Base Socket	4.00	pcs		
	Voltage Monitor Relay (3 Phase 220V 60 Hz)	4.00	pcs		
	Electrical Motor Control Panel	2.00	pcs		
	IP66 Key Switch 3-Way Knob-Key	4.00	pcs		
	22MM Momentary Push Button Switch RED 1NO 1NC Metal Head	4.00	pcs		
	22MM Momentary Push Button Switch GREEN 1NO 1NC Metal Head	4.00	pcs		
	Electrical Tape	15.00	roll		
	Rubber Tape	10.00	roll		
	60Amps 3 Pole Industrial Circuit Breaker	4.00	pcs		
	60Amps 3 Pole Bolt-on Circuit Breaker	2.00	pcs		
	Nema-3R Enclosure Bolt-On Type	2.00	pcs		
	400Amps 3 Pole Industrial Circuit Breaker	2.00	pcs		
	Equipment				
1	Welding Machine	7.00	day(s)		
1	- Portable Grinder	7.00	day(s)		
	Manpower				
2	- Highly Skilled Labor (Electrician)	7.00	day(s)		
2	- Skilled Worker	7.00	day(s)		
	ESTIMATED DIRECT COST				₱
	ESTIMATED INDIRECT COST				₱
	TOTAL COST OF WORK ITEM 2				₱

3.0	**Underground cable and piping layout from pump house to elevated water tank**	1.00	Lot		

Work Description

To supply materials, labor, tools and equipment for the underground cabling and piping layout from pump house to elevated water tank

Materials

	#6.0/3C Portable Power Cable	2.00	roll		
	Portland Cement	2.00	bag		
	PVC Solvent	3.00	gal		
	2" Electrical PVC Elbow	6.00	pcs		
	2" Electrical PVC Conduit	15.00	pcs		
	#6 Terminal Lugs (Y-Type)	18.00	pcs		
	Steel Scaffolding Rental Sizes:				
	38mm dia x 6 m. G.I. Pipe	235.00	pcs		
	38mm dia x 3 m. G.I. Pipe	20.00	pcs		
	38mm dia x 1.5 m. G.I. Pipe	110.00	pcs		
	G.I. Pipe Clamp	1,125.00	pcs		

Equipment

1	Concrete Cutter	7.00	day(s)		
1	- Electric Demolition Hammer	7.00	day(s)		

Manpower

1	- Foreman	7.00	day(s)		
1	- Highly Skilled Labor (Electrician)	7.00	day(s)		
4	- Skilled Labor	7.00	day(s)		

ESTIMATED DIRECT COST	₱
ESTIMATED INDIRECT COST	₱
TOTAL COST OF WORK ITEM 2	₱

TOTAL AMOUNT ₱