CALAMBA WATER DISTRICT
Eng'g. Planning & Design Division

DETAILED ESTIMATE SHEET

PROJECT : Supply of Labor and Materials for the Installation of Isolation Valve(PHASE 1)

LOCATION : Bucal Pumping Station, Calamba City

DATE : Dec. 4, 2020

ITEM NO.	DESCRIPTION	QTY	UNIT	ESTIMATED DIRECT COST	MARK-UP PERCENT			TOTAL MARK-UP	VAT	TOTAL INDIRECT COST
					OCM	Profit	MOB/ DEMOB			
	MATERIALS									
A.	***Isolation Valve***									
1	700mm Gear Operated Butterfly Valve, complete with Actuators, adaptor flanges, bolts, nuts and gaskets									
B.	***Dewatering Pump***									
1	Submersible Pump, 1.5 HP, 220v /1 ph/60 Hz									
2	50mmø GI Pipe, sched 40									
3	50mmø x 90° GI Elbow									
4	50mmø GI Coupling									
5	50mmø GI Union Patente, Screwed									
6	Teflon Tape									
C.	***Electrical System***									
1	Control Panel, Powder coated, IP 66									
2	Circuit breaker 10 **amps.** 2 pole, bolt on type									
3	Selector Switch - Ø22 - Std handle - 3 positions - N.O.									
4	Royal Cord 3 x 1.5 mm									
5	Relay 8 PIN 220 VAC, 10 AMP									
6	Contactor 10AMP / 220VAC									

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					OCM	Profit	MOB/ DEMOB			
7	Push Button N.C.									
8	Push Button N.O.									
9	E.mergency Stop Button N.C.									
10	RSC Pipe 3/4" dia x 10'									
11	RSC long elbow 3/4" x 90°									
12	Electrical flexible hose 1/2" dia. (Orange)									
13	Float Switch with 3m cable and balance weight									
D.	***Valves Vault***									
1	20mmØ Corrugated Bar(SIZE)									
2	Cement									
3	Sand									
4	Gravel 3/4"									
5	1/2 in. x 4 ft x 8 ft Phenolic Board									
6	2 in x 3 in x 10 ft Coco Lumber									
7	2 in x 3 in x 8 ft Coco Lumber									
8	CW Nail # 2									
9	GI Wire # 16									
10	800mm Ø Cast Iron Manhole Frame with CWD Logo with Acc.									
11	Petrolalum Tape									
E.	***Tools and Equipment***									
1	Shovel									
2	Point Bar									
3	Ball Hammer									

4	Chisel									
5	Pipe Wrench 12"									

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					OCM	Profit	MOB/ DEMOB			
F.	***Equipment Rental***									
1	Bosch Grinder									
2	Harris Oxy acetylene cutting outfit									
3	Bosch Handrill									
4	Chain Block (2 units)									
5	Dump Truck (5 m3)									
G.	***Health and Safety***									
1	Safety Hard Hat									
2	Safety Goggles									
3	Safety Shoes with Steel Cap									
4	Reflective Jacket									
5	Safety Hand Gloves									
6	PVC Work Boots									
7	Barrier/Baricade									
8	Signs, Boards, Caution Tape									
9	PE Sheets									
10	Medical Kit									
H.	***Miscellaneous***									
1	Oxygen									
2	Acetylene									
3	Grinding Disc									
4	Steel Brush									
5	Paint Brush									

6	Epoxy Paint									
	Materials Cost (PHP)									

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I.	***LABOR***									
1	Asphalt demolition									
2	Concrete Demolition									
3	Excavation									
8	Backfilling/Compaction									
9	Reconcreting (Roadway)									
10	Asphalt Restoration									
	Labor Cost (PHP)									
	Grand Total (PHP)									

Note(s) 1. Prices are subject to change w/ out prior notice.

2. All material(s) are subject to change to suit field condition.

TOTAL PROJECT COST	UNIT COST

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CALAMBA WATER DISTRICT
Eng'g. Planning & Design Division

DETAILED ESTIMATE SHEET

PROJECT : Supply of Labor and Materials for the Installation of Isolation Valve(PHASE 2)

LOCATION : Bucal Pumping Station, Calamba City

DATE : Dec. 4, 2020

ITEM NO.	DESCRIPTION	QTY	UNIT	ESTIMATED DIRECT COST	MARK-UP PERCENT			TOTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL PROJECT COST	UNIT COST
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