

PROJECT : PRESSURE TRANSMITTER CONTROL SYSTEM
 LOCATION : Woodlands Subdivision, Brgy. Makiling, Calamba City
 DATE : March 21, 2020

ITEM NO.	DESCRIPTION	QTY	UNIT	ESTIMATED DIRECT COST	MARK-UP PERCENT			TOTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL PROJECT COST
					OCM	Profit	MOB/ DEMOB				
E.	Miscellaneous										
1	Welding Rod	1	kl								
2	Oxygen	1	cyl								
3	Acetylene	1	cyl								
4	Teflon	5	pcs								
5	Grinding Disc	1	pcs								
	MATERIALS COST (PHP)										
F.	LABOR										
1	Programming, Testing and Commissioning	1	lot								
	LABOR COST (PHP)										
	TOTAL PROJECT COST (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.
 3. Water supply is not 24/7.



CALAMBA WATER DISTRICT
Eng'g. Planning & Design Division

BOQ/ABC

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MATERIALS											
A..	Level Control										
1	Pressure Transmitter, 0 - 6 bars	1	pc								
2	Universal Controller with relay output, 220 VAC	1	pc								
3	PD, THHN Wire, 22 AWG, black	34	lm								
4	Signal Wire Shielded 2 cores	34	lm								
5	Copper Tubing Size 3/8 in complete with fittings	34	lm								
6	Check Valve, 65 mmØ Non slam	1	pc								
B. Control Panel Assembly											
1	Control Panel, Powder coated, IP 66	1	pc								
2	Circuit Breaker, 175 A, 3 poles, 3d	1	pc								
3	Cable Lugs, 175 A, 22 mm2, set of 3	2	pc								
4	Phase Barrier, 60mm depth, 3 poles, set of 2	2	pc								
5	Step down Transformer, 3P	1	pc								
6	Miniature Circuit Breaker-3P-30A-C curve	1	pc								
7	Miniature Circuit Breaker-3P-70A-C curve	1	pc								
8	Miniature Circuit Breaker-2P-30A-C curve	2	pc								
9	Digital Panel Meter	1	pc								
10	Current Transformer	3	pc								
11	Power Supply, 24 VDC	1	pc								

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12	Controller M221, 9x24V, 7xrelay out, 2x0-10V analog input	1	pc								
13	Digital Timer	1	pc								
14	Timer Socket	1	pc								
15	Contacto. 3P(3NO)- AC3 - 220 V 125 A	2	pc								
16	Contacto. 3P(3NO)- AC3 - 220 V 70 A	1	pc								
17	Auxiliary Contact Block-2 NO + 2 NC	3	pc								
18	Tme DelayAuxiliary Contact Block-1 NO + 1 NC	1	pc								
19	Thermal Overload Relays - 70...80 A - class 10A	1	pc								
20	Selector Switch - Ø22 - Std handle - 3 positions - 2 NO	1	pc								
21	Green flush complete illum push button Ø22,-24V AC/DC	1	pc								
22	Red flush complete illum push button Ø22,-24V AC/DC	1	pc								
23	Round Pilot Light Ø22-orange-Integral LED- 24V AC/DC	1	pc								
24	Control Wire no. 14	1	pc								
C. Tools & Equipment Rental											
1	Welding machine	1	pcs.								
2	Cutting Outfit	1	pcs.								
3	Grinder	1	pcs.								
4	Handrill	1	pc.								
D. Health & Safety											
1	Barrier/Baricade	1	lot								
2	Signs, Boards, Caution Tape	1	lot								
3	Medical Kit	1	lot								