



Department of Science and Technology
 Philippine Science High School
 Central Mindanao Campus
 Nangka, Balo-I, Lanao del Norte

REHABILITATION AND IMPROVEMENT OF EXISTING WATER SYSTEM

BILL OF QUANTITIES - COST ESTIMATES

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
1.0	GENERAL REQUIREMENTS				
a	Mobilization/Temp. Facilities	1	lot		
				Total 1.0	
2.0	REINFORCED CONCRETE WATER TANK (Elevated)				
a	Concrete, 3000 psi	10.0	cum		
b	Steel Bars, Def., Assorted	1,000.0	kgs		
c	Water Proofing	60.0	sqm		
d	Stairs	1.0	lot		
e	Consumables	1.0	lot		
f	Scaffoldings/Formworks	1.0	lot		
g	Paintings, ext	55.0	sqm		
h	Pipes, Pipe embedments, valves, etc	1.0	lot		
i	Metal Works	1.0	lot		
j	Manhole Cover, SS	1.0	lot		
k	Water Level Gage	1.0	lot		
				Total 2.0	
3.0	REPAIR OF EXISTING PIPING SYSTEM				
a	uPVC Pipes, 4" dia	30.00	lm		
b	HDPE Pipes, 2" dia	60.00	lm		
c	HDPE Pipes, 3/4" dia	75.00	lm		
d	HDPE Pipes, 1/2" dia	150.00	lm		
e	Fittings, assorted	1.00	lot		
f	Install Faucets, 1/2" w/ hose bibs(outlets)	15.00	sets		
g	Repair of SS storage tanks, Others	1.00	lot		
h	Repair of Fire Hydrants	5.00	sets		

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
i	Construct concrete Valve boxes (All Valves, pipe clamp, etc)	1.00	lot		
j	Labor	1.0	lot		
				Total 3.0	
4.0	INSTALL NEW PIPING SYSTEM				
a	HDPE Pipes, SRD-11, 2" dia	1300.00	lm		
b	HDPE Pipes, SDR-11, 1" dia	250.00	lm		
c	Fittings, assorted, etc	1.00	lot		
d	Water Meters	14.00	sets		
e	Install Valves/ Faucets, 1/2" (outlets)	14.00	sets		
f	Construct concrete Valve boxes (All Valves, pipe clamp, etc)	15.00	sets		
				Total 4.0	
5.0	DEEP WELL PUMP, WATER PUMPS, ETC.				
a	Construct Steel Derrick with concrete foundation, (Per Drawing)	1	lot		
b	Submersible Cable, 3-phase	36	lm		
c	Repair of Existing water pumps, rewind, Impellers	5	units		
d	Repair of existing Fire Hydrants	5	units		
e	Install Fire Hydrants, 2"-dia., complete with pipes, fittings, Valves, Fire Hose with Cabinet , Concrete post. etc.	6	sets		
				Total 5.0	
6.0	CONNECT PIPE FROM AGUS 4 TO CAMPUS, ETC				
a	HDPE Pipe, SDR -11, 1" dia	2000	meters		
b	GI Cable, stranded, 6mm dia	150	meters		
c	Water Meter	1	units		
d	Gate Valves, 1"	4.0	units		
e	Check Valve, 1", Horz. Swing	4.0	units		
f	Fittings, Accessories, consumables	1.0	lot		
g	Water Booster Pump, 5-Hp, complete with Electrical controls, wire, shed, fence, etc.	1.0	unit		
h	Civil Works, etc. (inside the Agus Tunnel)	1	lot		
				Total 6.0	

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
S U M M A R Y					
					TOTAL AMOUNT (Php)
1.0	GENERAL REQUIREMENTS				-
2.0	REINFORCED CONCRETE WATER TANK (Elevated)				-
3.0	REPAIR OF EXISTING PIPING SYSTEM				-
4.0	INSTALL NEW PIPING SYSTEM				-
5.0	DEEP WELL PUMP, WATER PUMPS, ETC.				-
6.0	CONNECT PIPE FROM AGUS 4 TO CAMPUS, ETC				-
				GRAND TOTAL	-

CONTRACTOR

Authorized Signatory
Over Printed Name

Date