

Republic of the Philippines
Province of Bohol
MUNICIPALITY OF TUBIGON
OFFICE OF THE MUNICIPAL WATERWORKS SYSTEM
BILL OF QUANTITIES

NAME OF PROJECT: CONSTRUCTION OF PRODUCTION WELL

LOCATION: ILIJAN NORTE

SOURCE OF FUND: Trust Fund

APPROPRIATION: 1,000,0000

Area of Pumphouse: 2.5mtrs. X 2.0 mtrs.

Contract Period: 90 days

SCOPE OF WORK TO BE DONE:

ITEM	DESCRIPTION	QTY	Unit Cost	Amount
I	CONSTRUCTION OF PRODUCTION WELL			
	<i>a) Drilling of 350mm Ø x 55m bore hole</i>			
	<i>b) Installation of PVC casing, 200mm Ø 55 mmØ</i>			
	<i>c) Gravel Pack</i>	<i>4 cu.m.</i>		
	<i>d) Cement Grouting around Casing</i>	<i>1 lot</i>		
II	CONSTRUCTION OF PUMP HOUSE			
	<i>a) Structural excavation</i>	<i>1 lot</i>		
	<i>b) Structural Concrete</i>	<i>3.3 cu.m.</i>		
	<i>c) wood & masonry works</i>	<i>2.5m x 2m</i>		
III	ELECTRICAL INSTALLATION	<i>1 lot</i>		
IV	INSTALLATION OF PUMP POWER SUPPLY	<i>1 lot</i>		
V	PROJECT BILLBOARD	<i>1 lot</i>		
TOTAL COST				

(Pesos) _____ Amount in Words: _____

Submitted by:

Name of the Representative of the Bidder

Date: _____

Position

Name of the Bidder

ITEM NO.1 : CONSTRUCTION OF PRODUCTION WELL

ACTIVITY A: DRILLING OF 350mm Ø BORE HOLE

QUANTITY: 55 METERS

Description	Unit	QTY	Unit Cost	Amount
DIRECT COST				
A. Materials (NONE)				
B. MAN POWER				
1- CONSTRUCTION FOREMAN	DAYS	20		
6- LABORERS	DAYS	20		
TOTAL "B"				
C. EQUIPMENT				
1 -TRUCK MOUNTED DRILLING MACHINE	DAYS	20		
TOTAL "C"				
TOTAL DIRECT COST				
INDIRECT COST:				
1. Profit (10%)				
2. Overhead/ Contingencies (5%)				
3. Tax[Vat & Withholding tax] (10%)				
Total Indirect Cost				
Total Activity Cost				

ACTIVITY B: INSTALLATION OF 200mm Ø PVC CASING

QUANTITY: 55.00 METERS

DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT
DIRECT COST				
A) MATERIALS				
200mm Ø X 4m, PVC THREADED	LENGTH	14		
TOTAL "A"				
B) MAN POWER				
1- CONSTRUCTION FOREMAN	DAYS	1		
6- LABORERS	DAYS	1		
TOTAL "B"				
C) EQUIPMENT				
1- TRUCK MOUNTED DRILLING MACHINE	DAYS	1		
TOTAL "C"				
TOTAL DIRECT COST (A+B+C)				
INDIRECT COST:				
1. Profit (10%)				
2. Overhead/ Contingencies (5%)				
3. Tax[Vat & Withholding tax] (10%)				
Total Indirect Cost				
Total Activity Cost				

(Pesos) _____ Amount in Words: _____

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Name of the Bidder

ACTIVITY C: GRAVEL PACK

QUANTITY: 4 cu.M.

Description	Unit	QTY	Unit Cost	Amount
DIRECT COST				
A. Materials				
GRAVEL, 3/4"Ø	cu.m	4		
Total "A"				
B. MAN POWER				
1- CONSTRUCTION FOREMAN	DAYS	2		
4- LABORERS	DAYS	3		
TOTAL "B"				
C. EQUIPMENT (NONE)				
TOTAL DIRECT COST				
INDIRECT COST:				
1. Profit (10%)				
2. Overhead/ Contingencies (5%)				
3. Tax[Vat & Withholding tax] (10%)				
TOTAL INDIRECT COST				
TOTAL ACTIVITY COST				

ACTIVITY D: CEMENT GROUTING OF ANNULUS AROUND CASING

QUANTITY: 1LOT

DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT
DIRECT COST				
A) MATERIALS				
Portland Cement	bags	5		
Sand (Approved Source)	m ³	0.5		
Crushed gravel	m ³	1		
TOTAL "A"				
B) MAN POWER				
1- CONSTRUCTION FOREMAN	DAYS	1		
4- LABORERS	DAYS	1		
TOTAL "B"				
C) EQUIPMENT (NONE)				
TOTAL DIRECT COST				
INDIRECT COST:				
1. Profit (10%)				
2. Overhead/ Contingencies (5%)				
3. Tax[Vat & Withholding tax] (10%)				
TOTAL INDIRECT COST				
TOTAL ACTIVITY COST				

(Pesos) _____ Amount in Words: _____

Submitted by:

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Date: _____

Position_____
Name of the Bidder

ITEM NO.2 : CONSTRUCTION OF PUMP HOUSE**ACTIVITY A: Structural Excavation**

Description	Unit	QTY	Unit Cost	Amount
A. Materials (None)				
B) MAN POWER				
1- CONSTRUCTION FOREMAN	days	1		
2- Laborers	days	1		
"Total B"				
TOTAL DIRECT COST				
Indirect Cost:				
Profit (10%)				
Overhead/Contingencies (5%)				
Tax[VAT & Withholding Tax] (10%)				
Total Indirect Cost				
Total Activity Cost (Direct Cost & Indirect Cost)				
ACTIVITY B: STRUCTURAL CONCRETE				
Quantity: 3.3 m ³				
A. Materials				
Portland Cement	bags	33		
Sand (Approved Source)	m3	1.5		
Gravel (3/4Ø)	m3	3		
12mmØ x 6m, def.bars	length	12		
10mmØ 6m, def bars	length	50		
G.I tie wire #16	kg.	10		
TOTAL "A"				
B) MAN POWER				
1 - CONSTRUCTION FOREMAN	days	7		
1 - Steel man	days	7		
5 - LABORERS	days	7		
1 - Mason	days	7		
TOTAL "B"				
TOTAL DIRECT COST (A+B)				
Indirect Cost:				
Profit (10%)				
Overhead/Contingencies (5%)				
Tax[VAT & Withholding Tax] (10%)				
Total Indirect Cost				
Total Activity Cost (Direct Cost & Indirect Cost)				

(Pesos) _____ Amount in Words: _____

Submitted by:

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Date: _____

Position_____
Name of the Bidder

Activity C.: WOOD AND MASONRY**2.5 MTRS. X 2MTRS**

Description	Unit	QTY	Unit Cost	Amount
A. Materials				
4' X8' X 1/4" MAR. PLYWOOD	sheet	24		
2" X 2" X8', GEMELINA	pcs.	30		
2" X 6X8', GOOD LUMBER, KILN DRIED S4S	pcs.	3		
DOOR KNOB	set	1		
HINGES 1 1/2" X3"	sets	3		
C.W. ASSORTED NAILS (1½, 2 ,3)	kg	15		
PORTLAND CEMENT	bags	25		
SAND(APPROVED SOURCE)	m ³	2		
100mm THK HOLLOW BLOCKS	pcs.	300		
200mm X 200mm LOUVER BLOCKS	pcs.	76		
10mm Ø x 6m, def.bars	length	20		
G.I tie wire	kg	2		
Latex Paint	gal	1		
Lacquer Thinner	bot	1		
Paint Brush, 100mm	pcs.	2		
100mmØ x 3.00meter sanitary pipe	pc.	1		
75mmØ x 90° Elbow san, pipe	pc	1		
TOTAL "A"				
B) MAN POWER				
1 - CONSTRUCTION FOREMAN	days	10		
1 - MASON/CARPENTER	days	16		
2 - LABORERS	days	16		
TOTAL "B"				
TOTAL DIRECT COST (A+B)				
Indirect Cost				
Profit (10%)				
Overhead/Contigencies (5%)				
Tax[VAT & Withholding Tax] (10%)				
Total Indirect Cost				
Total Activity Cost (Direct Cost & Indirect Cost)				

(Pesos) _____ Amount in Words: _____

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Position_____
Name of the Bidder

Item III: ELECTRICAL Installation

Description	Unit	QTY	Unit Cost	Amount
A. Materials				
Secondary Rack, 3 Phase	pcs.	2		
TW copper wire #6	m	120		
ELECTRICAL WIRE, # 16AWG	lm	15		
ELECTRICAL WIRE, # 10AWG	lm	6		
2"Ø SERVICE ENTRNCE CAP	pc	1		
100AMPS, MAIN BREAKER, 3 PHASE	pc	1		
JUNCTION BOX	pcs.	2		
2-GANG SERVICE OUTLET	pcs.	2		
2-GANG SWITCH	pcs.	2		
ELECTRICAL CONDUIT pipe , 63mm x 3m	pcs.	3		
Male threaded adaptor, 63mm	4	4		
BULB, 50WATTS	2	2		
<i>TOTAL "A"</i>				
B) MAN POWER				
1- CONSTRUCTION FOREMAN	days	1		
1- ELECTRICIAN	days	2		
2- LABORERS	days	2		
<i>TOTAL "B"</i>				
TOTAL DIRECT COST (A+B)				
INDIRECT COST:				
1 - PROFIT 10%				
2. OVERHEAD/ CONTIGENCIES 5%				
3 - TAX (VAT & WITHHOLDING TAX) 10%				
TOTAL INDIRECT COST				
TOTAL ITEM COST (DIRECT COST + INDIRECT COST)				

Item IV: Installation of Pump Power Supply	lot	1		
TOTAL ITEM COST				

(Pesos) _____ Amount in Words: _____

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Name of the Bidder

Item V Project Billboard (4'x8' Tarpaulin with standard markings)

Description	Unit	QTY	Unit Cost	Amount
A. Materials				
2" x 3" x 12' Lumber	pcs.	4		
2" x 3" x 10' Lumber	pcs.	8		
CWN #3"	kg	1		
CWN #2 "	kg	1		
Finishing Nails, #2"	kg	1		
Tarpaulin w/ standard billboard Markings (4x8)	pc.	1		
1/4" x 4' x 8' marine plywood	sht	1		
TOTAL "A"				
B) MAN POWER				
1- Construction Foreman	day	1		
1- Carpenter	days	2		
1 - Laborer	days	2		
TOTAL "B"				
TOTAL DIRECT COST (A+B)				
INDIRECT COST:				
1. Profit (10%)				
2. Overhead/ Contingencies (5%)				
3. Tax[VAT & Withholding Tax] (10%)				
TOTAL INDIRECT COST				
TOTAL ITEM COST (DIRECT COST + INDIRECT COST)				

(Pesos) _____ Amount in Words: _____

Submitted by:

Name of the Representative of the Bidder

Date: _____

Position_____
Name of the Bidder