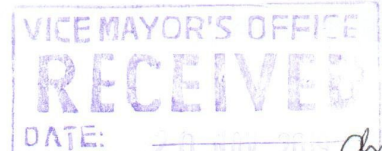


REPUBLIKA NG PILIPINAS
SANGGUNIANG PANLUNGSOD
LUNGSOD NG ORMOC



EXCERPT FROM THE MINUTES OF THE REGULAR SESSION OF THE
FIFTEENTH SANGGUNIANG PANLUNGSOD NG ORMOC HELD
AT THE SANGGUNIANG PANLUNGSOD SESSION HALL
ON NOVEMBER 19, 2019

PRESENT:

Leo Carmelo L. Locsin, Jr.
Benjamin S. Pongos, Jr.,
Roiland H. Villasencio,
Nolito M. Quilang,
Eusebio Gerardo S. Penserga,
Jasper M. Lucero,
Peter M. Rodriguez,
Vincent L. Rama,
Gregorio G. Yrastorza III,
Lalaine A. Marcos,
Esteban V. Laurente,

City Vice Mayor & Presiding Officer
SP Member, Majority Floor Leader
SP Member, 1st Asst. Majority Floor Leader
SP Member, 2nd Asst. Majority Floor Leader
SP Member
SP Member
SP Member
SP Member
SP Member
SP Member
Ex-Officio SP Member, Chapter President,
Liga ng mga Barangay ng Ormoc
Ex-Officio SP Member, Chapter President,
Panlungsod na Pederasyon ng mga Sangguniang Kabataan ng Ormoc

ON LEAVE:

Tomas R. Serafica,

SP Member, Presiding Officer "Pro-Tempore"

PREFATORY STATEMENT

WHEREAS, the Sangguniang Panlungsod was in receipt of an endorsement letter from the City Mayor's Office (CMO) dated October 31, 2019, relative to a reversion request of Engr. Fulton Emmanuel S. Manawatao, Acting Head Officer of Ormoc Waterworks System Administration (ORWASA) for the total amount of Three Million Two Hundred Thousand Philippine Pesos (PHP 3,200,000.00) to be taken from the Reversion of 20% Development Fund Continuing Appropriation: 2017 - Other Structure - Tourism, for Ormoc Water System Development Program (Level III) Drilling of New Production Well at Brgy. Hibuna-on, Ormoc City;

WHEREAS, the amount is to be reverted from the 20% Development Fund Continuing Appropriation: 2017 - Other Structure - Tourism, as stated in the LBP Form No. 8 - Statement of Funding Sources, FY 2019, issued by the OIC-City Treasurer and the City Accountant, a copy of which is hereto attached and designated as Annex "A" hereof, to wit:

From:

TOURISM

2017 - Other Structure - Tourism

PHP 3,200,000.00

To:

ORWASA

Water Supply System

PHP 3,200,000.00

WHEREAS, ORWASA previously made this request last July 16, 2019 however, the request was deferred during the committee meeting held last August 14, 2019 due to lack of Program of Works and sufficient documentation supporting the drilling site lot ownership;

WHEREAS, ORWASA was able to comply with the necessary Program of Works and had submitted to this Sanggunian sufficient documentation supporting the ownership of lot for the drilling site, a copy of which is hereto attached and designated as Annex "B" hereof;

A.O. No. 020, S. 2019

WHEREAS, the purpose of the project is to increase the water supply of the residents of Brgy. Hibuna-on, Ormoc City;

WHEREAS, the endorsement of the CMO is justified and deemed reasonable and meritorious as the proposed project is directed towards the good and benefit of the Ormoc City constituents hence most deserving of prompt favorable action;

WHEREFORE, FOREGOING PREMISES CONSIDERED, on motion of SP Member Peter M. Rodriguez, Chairman, Committee on Finance & Appropriation, severally seconded by SP Members Nolito M. Quilang, Vincent L. Rama, Gregorio G. Yrastorza III, Lalaine A. Marcos, Esteban V. Laurente and Joan Marbie C. Simbajon; be it

RESOLVED, AS IT IS HEREBY RESOLVED, to enact:

**APPROPRIATION ORDINANCE NO. 020
(Series of 2019)**

**AN ORDINANCE REVERTING AND APPROPRIATING THE
TOTAL AMOUNT OF THREE MILLION TWO HUNDRED
THOUSAND PHILIPPINE PESOS (PHP3,200,000.00)
TO BE TAKEN FROM THE REVERSION OF 20%
DEVELOPMENT FUND CONTINUING
APPROPRIATION: 2017 - OTHER STRUCTURE -
TOURISM TO WATER SUPPLY SYSTEM - ORWASA FOR
ORMOC WATER SYSTEM DEVELOPMENT PROGRAM
(LEVEL III) DRILLING OF NEW PRODUCTION WELL
AT BRGY. HIBUNA-ON, ORMOC CITY, TO WIT:**

FROM:

TOURISM

**2017 - OTHER STRUCTURE -
TOURISM**

PHP 3,200,000.00

TO

ORWASA

WATER SUPPLY SYSTEM

PHP 3,200,000.00

BE IT ENACTED, by the Fifteenth Sangguniang Panlungsod of Ormoc in Regular Session assembled, that:

SECTION 1. CY 2019 GENERAL FUND SUPPLEMENTAL BUDGET. The total sum of Three Million Two Hundred Thousand Philippine Pesos (PHP 3,200,000.00) to be taken from the Reversion of 20% Development Fund Continuing Appropriation: 2017 - Other Structure - Tourism is hereby reverted and appropriated to Water Supply System - ORWASA for Ormoc Water System Development Program (Level III) Drilling of New Production Well at Brgy. Hibuna-on, Ormoc City.

SECTION 2. EFFECTIVITY. This Appropriation Ordinance shall take effect immediately upon its approval.

RESOLVED, FURTHER, that sufficient copies of this Appropriation Ordinance, together with all supporting documents thereof, be submitted to the Honorable Secretary of Department of Budget and Management, Manila, through the City Budget Officer of Ormoc and the Regional Director, Department of Budget & Management, Tacloban City, for review purposes;


A.O. No. 020, S. 2019

ENACTED, November 19, 2019.

RESOLVED, FURTHERMORE, to furnish copies of this Appropriation Ordinance, one each to the City Mayor Richard I. Gomez; the City Administrator, Mr. Vincent L. Emnas; the City Legal Officer, Atty. Josephine M. Romero; the City Budget Officer; the City Accountant; the OIC - City Treasurer; the City Engineer's Office; the ORWASA; the City Tourism Office; the City Auditor; the City Local Government Operations Officer, DILG, Engr. Jesus Jeremy D. Bagares; Sangguniang Pambarangay of Hibunaon; and other offices concerned;

CARRIED by Nine (9) Affirmative Votes. SP Member Eusebio Gerardo S. Penserga and SP Member Joan Marbie C. Simbajon were out of the Session Hall during the time of voting.

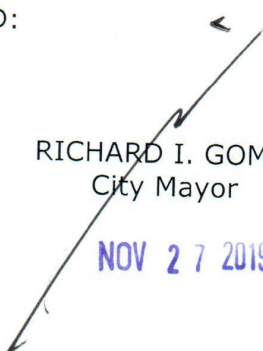
I HEREBY CERTIFY that the foregoing Appropriation Ordinance No. 020 series of 2019 which approved the General Fund Supplemental Budget of Ormoc City for CY 2019 was duly enacted by the Fifteenth Sangguniang Panlungsod ng Ormoc in its regular session.


MARIA ANTONIETA G. CO HAT
Secretary to the
Sangguniang Panlungsod

ATTESTED:


LEO CARMELO L. LOCSIN, JR.
City Vice Mayor & Presiding Officer

APPROVED:


RICHARD I. GOMEZ
City Mayor

NOV 27 2019


MAYOR
 DATE 12 OCT 2019
 TIME 10:30
 FROM [illegible]
 TO [illegible]
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Annex "A"

ORMOC CITY
Province/ City/ Municipality

General Fund
Fund/Special Account

[illegible]


ALICIA C. DIMAPUNGUN
OIC- City Treasurer

RS
ROSARIO G. SERAFICA
City Accountant



Republic of the Philippines
ORMOC WATERWORKS OFFICE

Annex "B"

INDIVIDUAL PROGRAM OF WORKS
(for all types of projects)

Name and Location of the Project:		Appropriation Source of Fund		P 3,125,000.00 (Part of 5 M)			
ORMOC WATER SYSTEM DEVELOPMENT PROGRAM LEVEL III DRILLING OF NEW PRODUCTION WELL BRGY. HIBUNA-ON, ORMOC CITY		Issued Obligated Contract		CONTRACT			
		Released					
		Calendar Day to Complete		89 CD			
		Desirable Starting Date					
		Date Prepared					
Project Category:		Water Supply					
Project Description:		ITEM 1 DRILLING					
Minimum Equipment Required							
No.	Description	No.	Description	No.	Description		
1 Unit	Rotary drilling	1 Unit	Welding machine				
1 Unit	Generator set 40-90KVA	1 Unit	Cutting outfit w/ oxygen & acetylene				
1 Unit	Sub. Motor/pump & acc.	1 Unit	Air compressor				
Technical Personnel Required							
No.	Description	No.	Description	No.	Description		
ESTIMATED COST OF PROPOSED WORK							
Item no.	Description	Quantity	Unit	% of Total	Direct Cost Total	Unit Cost	Adjusted Unit Cost
ITEM 1	DRILLING						
ITEM 1.1	Drill 12" dia. hole to ground surface to 113 meters depth (inclu. pilot hole & strata sampling every meter of penetration)	119	m	33.263%	739,000.00	6,210.08	7,955.12
ITEM 1.2	Conduct electric bore logging & submit report.	1	lot	2.251%	50,000.00	50,000.00	64,050.00
ITEM 2	FURNISHING OF MATERIALS						
ITEM 2.1	Furnish 6" (150mm) I.D. Spiral welded steel casing with minimum wall thickness of 6.3 mm.	84	m	16.545%	367,584.00	4,376.00	5,605.66
ITEM 2.2	Furnish 6" (150mm) I.D. Stainless steel continuous slot wedge wire junction screen, slot 60.	36	m	20.038%	445,176.00	12,366.00	15,840.85
ITEM 2.3	Furnish one inch (1") dia. G.I. Sch. 40 water level sounding tube from top of well to 2m above the lowest Pump setting including 1m Stick up and cap	108	m	1.118%	24,840.00	230.00	294.63
ITEM 2.4	Furnish 2 inches dia. x 6.0m. G.I. Pipe Sch.40 with cap for gravel fill pipe	6	m	0.126%	2,800.00	466.67	597.80
ITEM 2.5	Labor for installation of 6" (150mm) spiral welded steel casing and 6" (150mm) stainless steel junction screen, slot 60 with close bottom	120	m	2.773%	61,600.00	513.33	657.58
ITEM 2.6	Furnish casing centralizers every 12m intervals	9	sets	0.203%	4,500.00	500.00	640.50
ITEM 2.7	Furnish 5-10 graded formation stabilizer (pea gravel)	9	cu.m.	7.269%	161,500.00	19,000.00	24,339.00
ITEM 2.8	Fill Formation stabilizers in annulus around 12" (200mm) I.D. Lining, until level of 5m below ground	114	m	0.162%	3,600.00	31.58	40.45
ITEM 3	WELL DEVELOPMENT						
ITEM 3.1	Develop well by surging. Rate to include installation and removal equipment and removal of deposits in sump pipe upon completion of surging	48	hrs	2.776%	61,680.00	1,285.00	1,646.09
ITEM 3.2	Discharge well by airlifting until water is clear and sand free.	48	hrs	5.553%	123,360.00	2,570.00	3,292.17
ITEM 3.3	Conduct constant discharge pumping/recovery test & submit report.	48	hrs	6.050%	134,400.00	2,800.00	3,586.80
ITEM 3.4	Grout annulus (12 inches X 12 inches x 5 meters depth to ground level)	0.464	cu. m.	0.418%	9,280.00	20,000.00	25,620.00
ITEM 3.5	Furnish, install flanged type well head cap	1	Lot	0.304%	6,750.00	6,750.00	8,646.75
ITEM 3.6	Clean site upon completion of work.	1	Lot	0.162%	3,600.00	3,600.00	4,611.60
SPCL ITEM	Mobilization/Demobilization	1	Lumps	0.990%	21,996.70	21,996.70	
				100.00%	2,221,666.70		

NAME AND LOCATION OF PROJECT:
ORMOC WATER SYSTEM DEVELOPMENT PROGRAM LEVEL III
DRILLING OF NEW PRODUCTION WELL
BRGY. HIBUNA-ON, ORMOC CITY

BREADOWN OF EXPENDITURES		% OF TOTAL	AMOUNT
I . ESTIMATED CONTRACT COST			
A . DIRECT COST			
1 . Mobilization/Demobilization	0.7039% P	21,996.70	
2 . Materials	39.4478% P	1,232,730.00	
2 . 1 . Supply/Delivery			
2 . 2 . 1.0% MTQC			
3 . Labor (Including Fringe Benefits)	6.5697% P	205,300.00	
4 . Equipment Expenses	24.3728% P	761,640.00	
5 . Fuel and Oil			
B . INDIRECT COST			
1 . OCM (7% to 12% of A1 to A4)	8.4468%	263,960.40	
2 . Profit (5% to 12% of A1 to A4)	7.0390% P	219,967.00	
3 . Comprehensive All Risk Insurance (1.5% of A1 to A4)			
4 . Mobilization/Demobilization			
5 . VAT (5% A3 to A4 plus B1 to B2)	4.3290% P	135,279.71	
SUB TOTAL		90.9091% P	2,840,873.81
II . ESTIMATED GOVERNMENT EXPENDITURES:			
1 . Preliminary Engineering			
2 . Engineering Supervision & Administrative Overhead(ESAO)			
SUB TOTAL		90.9091% P	2,840,873.81
III . CONSTINGENCIES/RESERVE		9.0909% P	284,087.38
1 . Physical (Up to 5% of the Estimated Contract Cost)			
2 . Price Escalation (Up to 12% of the Estimated Contract Cost)			
TOTAL ESTIMATED PROJECT COST		100.00% P	3,124,961.19
SAY		P	3,125,000.00

Prepared and Submitted by:

JOSEPH E. PALMITOS
 Engineering Aide

Checked by:

FERDINAND V. CORRO

Recommending Approval:

FULTON E.S. MANAWATAO
 Acting Head - ORWASA

Approved:

RICHARD I. GOMEZ

DETAILED ESTIMATES
(Supplement to the Program of Works)

page 1-JBO

Name of Project : **ORMOC WATER SYSTEM DEVELOPMENT PROGRAM (LEVEL III) - DRILLING OF NEW PRODUCTION WELL**
 Location : **BRGY. HIBONA-ON, ORMOC CITY**
 Appropriation : **Php. 3,125,000.00 (Part of 5,000,000.00)**
 Source of Fund :

**ITEM 1
DRILLING**

ITEM 1.1

Drill 12" dia. hole to ground surface to 119 meters depth (Inclu. pilot hole & strata sampling every meter of penetration)

Qty = **119** m

A. MATERIALS					
1	LS	drilling materials and consumables		P	182,500.00
		Total Cost for Materials		P	182,500.00
B. LABOR					
1	LS	labor		P	185,500.00
		Total Cost for Labor		P	185,500.00
C. EQUIPMENT					
one (1)		drill rig and drill equipment and accessories for 70.0 days @ P 5,300.00 / day		P	371,000.00
		Total Cost for Equipment		P	371,000.00
TOTAL DIRECT COST FOR THIS ITEM				P	739,000.00
		OCM	: 12 %	P	88,680.00
		Contractors Profit	: 10 %	P	73,900.00
		VAT(DC+OCM+CP)	: 5 %	P	45,079.00
TOTAL COST FOR THIS ITEM				P	946,659.00
		Unit Cost = P	946,659.00		
			119 m		
		Unit Cost = P	7,955.12 / m		

ITEM 1.2

Conduct electric bore logging & submit report.

Qty = **1** lot

A. EQUIPMENT					
one (1)		Bore hole logging equipment for 1.0 day @ P 50,000.00 / day		P	50,000.00
		Total Cost for Equipment		P	50,000.00
TOTAL DIRECT COST FOR THIS ITEM				P	50,000.00
		OCM	: 12 %	P	6,000.00
		Contractors Profit	: 10 %	P	5,000.00
		VAT(DC+OCM+CP)	: 5 %	P	3,050.00
TOTAL COST FOR THIS ITEM				P	64,050.00
		Unit Cost = P	64,050.00		
			1 lot		
		Unit Cost = P	64,050.00 lot		

**ITEM 2
FURNISHING OF MATERIALS**

DETAILED ESTIMATES
(Supplement to the Program of Works)

page 2-JBO

Name of Project : **ORMOC WATER SYSTEM DEVELOPMENT PROGRAM (LEVEL III) - DRILLING OF NEW PRODUCTION WELL**
Location : **BRGY. HIBONA-ON, ORMOC CITY**
Appropriation : **Php. 3,125,000.00 (Part of 5,000,000.00)**
Source of Fund :

ITEM 2.1

Furnish 6" (150mm) I.D. Spiral welded steel casing with minimum wall thickness of 6.3 mm.
Qty. = **84 m**

A. MATERIALS-									
84	m	6" (150mm) I.D. spiral welded casing	P	4,376.00 / lin.m	P	367,584.00	P	367,584.00	
					P	367,584.00			
		TOTAL DIRECT COST FOR THIS ITEM			P	367,584.00			
		OCM	:	12 %	P	44,110.08			
		Contractors Profit	:	10 %	P	36,758.40			
		VAT(DC+OCM+CP)	:	5 %	P	22,422.62			
		TOTAL COST FOR THIS ITEM			P	470,875.10			

$$\text{Unit Cost} = \frac{P \ 470,875.10}{84 \ m}$$

$$\text{Unit Cost} = P \ 5,605.66 / m$$

ITEM 2.2

Furnish 6" (150mm) I.D. Stainless steel continuous slot wedge wire junction screen, slot 60.
Qty = **36 m**

A. MATERIALS-									
36	m	6" (150mm) I.D. stainless steel continuous slot wedge wire junction screen	@ P	12,366.00 / lin.m	P	445,176.00	P	445,176.00	
		Total Cost for Materials-			P	445,176.00			
		TOTAL DIRECT COST FOR THIS ITEM			P	445,176.00			
		OCM	:	12 %	P	53,421.12			
		Contractors Profit	:	10 %	P	44,517.60			
		VAT(DC+OCM+CP)	:	5 %	P	27,155.74			
		TOTAL COST FOR THIS ITEM			P	570,270.46			

$$\text{Unit Cost} = \frac{P \ 570,270.46}{36 \ m}$$

$$\text{Unit Cost} = P \ 15,840.85 / m$$

ITEM 2.3

Furnish one inch (1") dia. G.I. Sch. 40 water level Sounding tube from top of well to 2m above the lowest Pump setting including 1m Stick up and cap
Qty = **108 m**

A. MATERIALS-									
108	m	1" dia. GI Sch. 40 water level sounding tube	@ P	230.00 / m	P	24,840.00	P	24,840.00	
		Total Cost for Materials-			P	24,840.00			
		TOTAL DIRECT COST FOR THIS ITEM			P	24,840.00			
		OCM	:	12 %	P	2,980.80			

DETAILED ESTIMATES
(Supplement to the Program of Works)

Page 3 -JBO

Name of Project : **ORMOC WATER SYSTEM DEVELOPMENT PROGRAM (LEVEL III) - DRILLING OF NEW PRODUCTION WELL**
 Location : **BRGY. HIBONA-ON, ORMOC CITY**
 Appropriation : **Php. 3,125,000.00 (Part of 5,000,000.00)**
 Source of Fund :

Contractors Profit	:	10 %	-----	P	2,484.00
VAT(DC+OCM+CP)	:	5 %	-----	P	1,515.24
TOTAL COST FOR THIS ITEM				P	31,820.04
Unit Cost = P $\frac{31,820.04}{108}$ m					
Unit Cost = P 294.63 / m					

ITEM 2.4

Furnish 2 inches dia. x 6.0m G.I. Pipe Sch.40 with cap for gravel fill pipe
 Qty = **6** m

A. MATERIALS				P	2,800.00
1 L 2" dia. G.I. Pipe Sch. 40					2,800.00
Total Cost for Materials			P		2,800.00
TOTAL DIRECT COST FOR THIS ITEM				P	2,800.00
OCM	:	12 %	-----	P	336.00
Contractors Profit	:	10 %	-----	P	280.00
VAT(DC+OCM+CP)	:	5 %	-----	P	170.80
TOTAL COST FOR THIS ITEM				P	3,586.80
Unit Cost = P $\frac{3,586.80}{6}$ m					
Unit Cost = P 597.80 / m					

ITEM 2.5

Labor for installation of 6" (150mm) spiral welded steel casing and 6" (150mm) stainless steel junction screen, slot 60 with close bottom
 Qty = **120** m

A. MATERIALS				P	29,800.00
1 LS consumables					29,800.00
Total Cost for Materials			P		29,800.00
B. LABOR				P	10,600.00
1 LS labor					10,600.00
Total Cost for Labor			P		10,600.00
C. EQUIPMENT				P	21,200.00
one (1) drill rig and drill equipment for 4 days @ P 5,300.00 / day				P	21,200.00
and accessories					
Total Cost for Equipment			P		21,200.00
TOTAL DIRECT COST FOR THIS ITEM				P	61,600.00
OCM	:	12 %	-----	P	7,392.00
Contractors Profit	:	10 %	-----	P	6,160.00
VAT(DC+OCM+CP)	:	5 %	-----	P	3,757.60
TOTAL COST FOR THIS ITEM				P	78,909.60

DETAILED ESTIMATES
(Supplement to the Program of Works)

Page 4 -JBO

Name of Project : **ORMOC WATER SYSTEM DEVELOPMENT PROGRAM (LEVEL III) - DRILLING OF NEW PRODUCTION WELL**
 Location : **BRGY. HIBONA-ON, ORMOC CITY**
 Appropriation : **Php. 3,125,000.00 (Part of 5,000,000.00)**
 Source of Fund :

Unit Cost = P 78,909.60
120 m

Unit Cost = P **657.58** / m

ITEM 2.6

Furnish casing centralizers every 12m intervals
Qty = **9** sets

A. MATERIALS-

9 sets	casing centralizers	@ P	500.00 / set	P	4,500.00
Total Cost for Materials-				P	<u>4,500.00</u>

TOTAL DIRECT COST FOR THIS ITEM

OCM	: 12 %	P	<u>4,500.00</u>
Contractors Profit	: 10 %	P	<u>540.00</u>
VAT(DC+OCM+CP)	: 5 %	P	<u>450.00</u>
		P	<u>274.50</u>

TOTAL COST FOR THIS ITEM-

P **5,764.50**

Unit Cost = P 5,764.50
9 sets

Unit Cost = P **640.50** / set

ITEM 2.7

Furnish 5-10 graded formation stabilizer (pea gravel)
Qty = **8.5** cu.m.

A. MATERIALS-

8.5 cu.m.	5-10 graded pea gravel	@ P	19,000.00 / cu.m	P	161,500.00
Total Cost for Materials-				P	<u>161,500.00</u>

TOTAL DIRECT COST FOR THIS ITEM

OCM	: 12 %	P	<u>161,500.00</u>
Contractors Profit	: 10 %	P	<u>19,380.00</u>
VAT(DC+OCM+CP)	: 5 %	P	<u>16,150.00</u>
		P	<u>9,851.50</u>

TOTAL COST FOR THIS ITEM-

P **206,881.50**

Unit Cost = P 206,881.50
9 cu.m.

Unit Cost = P **24,339.00** / cu.m.

ITEM 2.8

Fill Formation stabilizers in annulus around 12" (200mm) I.D. Lining, until level of 5m below ground
Qty = **114** m

A. LABOR-

1 LS	labor	P	3,600.00
Total Cost for Labor-		P	<u>3,600.00</u>

DETAILED ESTIMATES
(Supplement to the Program of Works)

Page 5-JBO

Name of Project : **ORMOC WATER SYSTEM DEVELOPMENT PROGRAM (LEVEL III) - DRILLING OF NEW PRODUCTION WELL**
 Location : **BRGY. HIBONA-ON, ORMOC CITY**
 Appropriation : **Php. 3,125,000.00 (Part of 5,000,000.00)**
 Source of Fund :

TOTAL DIRECT COST FOR THIS ITEM -----				P	
OCM	:	12 %	-----	P	3,600.00
Contractors Profit	:	10 %	-----	P	432.00
VAT(DC+OCM+CP)	:	5 %	-----	P	360.00
				P	219.60

TOTAL COST FOR THIS ITEM-----P **4,611.60**

Unit Cost = $\frac{P \ 4,611.60}{114 \ m}$

Unit Cost = $P \ 40.45 / m$

**ITEM 3
WELL DEVELOPMENT**

ITEM 3.1

Develop well by surging. Rate to include installation and removal equipment and removal of deposits in sump pipe upon completion of surging

Qty = **48** hrs

A. EQUIPMENT -----				P	
one (1)	surging equipment and for	48 hrs	@ P	1,285.00 / hr	P 61,680.00
	accessories				
	Total Cost for Equipment			P	61,680.00

TOTAL DIRECT COST FOR THIS ITEM -----				P	
OCM	:	12 %	-----	P	61,680.00
Contractors Profit	:	10 %	-----	P	7,401.60
VAT(DC+OCM+CP)	:	5 %	-----	P	6,168.00
				P	3,762.48

TOTAL COST FOR THIS ITEM-----P **79,012.08**

Unit Cost = $\frac{P \ 79,012.08}{48 \ hrs}$

Unit Cost = $P \ 1,646.09 / hr$

ITEM 3.2

Discharge well by airlifting until water is clear and sand free.

Qty = **48** hrs

A. EQUIPMENT -----				P	
one (1)	air lifting equipment and for	48 hrs	@ P	2,570.00 / hr	P 123,360.00
	accessories				
	Total Cost for Equipment			P	123,360.00

TOTAL DIRECT COST FOR THIS ITEM-----P **123,360.00**

OCM	:	12 %	-----	P	14,803.20
Contractors Profit	:	10 %	-----	P	12,336.00
VAT(DC+OCM+CP)	:	5 %	-----	P	7,524.96

TOTAL COST FOR THIS ITEM-----P **158,024.16**

Unit Cost = $\frac{P \ 158,024.16}{48 \ hrs}$

DETAILED ESTIMATES
(Supplement to the Program of Works)

page 6 -JBO

Name of Project : **ORMOC WATER SYSTEM DEVELOPMENT PROGRAM (LEVEL III) - DRILLING OF NEW PRODUCTION WELL,**
 Location : **BRGY. HIBONA-ON, ORMOC CITY**
 Appropriation : **Php. 3,125,000.00 (Part of 5,000,000.00)**
 Source of Fund :

Unit Cost = P **3,292.17** / hr

ITEM 3.3

Conduct constant discharge pumping/recovery test & submit report.

Qty = **48** hrs

A. EQUIPMENT									
one (1)	constant discharge pump test equipment and accessories	for	48 hrs	@ P	2,800.00 / hr	P	134,400.00		P 134,400.00
Total Cost for Equipment-							P	134,400.00	
TOTAL DIRECT COST FOR THIS ITEM									
OCM							:	12 %	P 16,128.00
Contractors Profit							:	10 %	P 13,440.00
VAT(DC+OCM+CP)							:	5 %	P 8,198.40
TOTAL COST FOR THIS ITEM							P		172,166.40

Unit Cost = P $\frac{172,166.40}{48}$ hrs
 Unit Cost = P **3,586.80** / hr

ITEM 3.4

Grout annulus (12 inches X 12 inches x 5 meters depth to ground level)

Qty = **0.464** cu. m.

A. MATERIALS									
1 Lot	grout annulus						P	7,280.00	
Total Cost for Materials-							P	7,280.00	
B. LABOR									
1 LS	labor						P	2,000.00	
Total Cost for Labor-							P	2,000.00	
TOTAL DIRECT COST FOR THIS ITEM									
OCM							:	12 %	P 9,280.00
Contractors Profit							:	10 %	P 1,113.60
VAT(DC+OCM+CP)							:	5 %	P 928.00
TOTAL COST FOR THIS ITEM							P		11,887.68
Unit Cost = P $\frac{11,887.68}{0}$ cu. m.									
Unit Cost = P 25,620.00 / cu. m.									

ITEM 3.5

Furnish, install flanged type well head cap

Qty = **1** Lot

A. MATERIALS									
1 Lot	flanged well head cap						P	6,750.00	6,750.00

DETAILED ESTIMATES
(Supplement to the Program of Works)

page 7 -JBO

Name of Project : **ORMOC WATER SYSTEM DEVELOPMENT PROGRAM (LEVEL III) - DRILLING OF NEW PRODUCTION WELL**
 Location : **BRGY. HIBONA-ON, ORMOC CITY**
 Appropriation : **Php. 3,125,000.00 (Part of 5,000,000.00)**
 Source of Fund :

Total Cost for Materials----- P 6,750.00

TOTAL DIRECT COST FOR THIS ITEM----- P
 OCM : 12 %----- P 6,750.00
 Contractors Profit : 10 %----- P 810.00
 VAT(DC+OCM+CP) : 5 %----- P 675.00
 ----- P 411.75

TOTAL COST FOR THIS ITEM----- P 8,646.75

Unit Cost = P $\frac{8,646.75}{1}$ Lot

Unit Cost = P 8,646.75 / Lot

ITEM 3.6

Clean site upon completion of work.

Qty = 1 Lot

A. LABOR----- P 3,600.00
 1 LS labor----- P 3,600.00
 Total Cost for Labor----- P 3,600.00

TOTAL DIRECT COST FOR THIS ITEM----- P 3,600.00
 OCM : 12 %----- P 432.00
 Contractors Profit : 10 %----- P 360.00
 VAT(DC+OCM+CP) : 5 %----- P 219.60
TOTAL COST FOR THIS ITEM----- P 4,611.60

Unit Cost = P $\frac{4,611.60}{1}$ Lot

Unit Cost = P 4,611.60 / Lot

SPCL ITEM I

Mobilization/Demobilization

Qty = 1 Lumpsum

A. EQUIPMENT----- P 21,996.70
 one (1) drill rig and drill equipment for 74 days @ P 5,300.00 / day P 392,200.00
 and accessories
 one (1) bore hole logging equipment for 1 day @ P 50,000.00 / day P 50,000.00
 one (1) surging equipment and for 48 hrs @ P 1,285.00 / hr P 61,680.00
 accessories
 one (1) air lifting equipment for 48 hrs @ P 2,570.00 / hr P 123,360.00
 and accessories
 one (1) constant discharge pump test for 48 hrs @ P 2,800.00 / hr P 134,400.00
 equipment and accessories

Total Cost for Equipment----- P 761,640.00

Total Direct Costs----- P 2,199,670.00
 1% of Total Direct Costs----- P 21,996.70

DETAILED ESTIMATES
(Supplement to the Program of Works)

page 8 -JBO

Name of Project : ORMOC WATER SYSTEM DEVELOPMENT PROGRAM (LEVEL III) - DRILLING OF NEW PRODUCTION WELL
Location : BRGY. HIBONA-ON, ORMOC CITY
Appropriation : Php. 3,125,000.00 (Part of 5,000,000.00)
Source of Fund :

TOTAL DIRECT COST FOR THIS ITEM ----- P 21,996.70
VAT(DC) : 5 % ----- P 1,099.84
TOTAL COST FOR THIS ITEM ----- P 23,096.54
Unit Cost = $\frac{P\ 23,096.54}{1}$ Lumpsum
Unit Cost = P 23,096.54 / Lumpsum

SUMMARY

ITEM 1	DRILLING		
ITEM 1.1	Drill 12" dia. hole to ground surface to 119 meters depth (inclu. pilot hole & strata sampling every meter of penetration)	P	946,659.00
ITEM 1.2	Conduct electric bore logging & submit report.	P	64,050.00
ITEM 2	FURNISHING OF MATERIALS		
ITEM 2.1	Furnish 6" (150mm) I.D. Spiral welded steel casing with minimum wall thickness of 6.3 mm.	P	470,875.10
ITEM 2.2	Furnish 6" (150mm) I.D. Stainless steel continuous slot wedge wire junction screen, slot 60.	P	570,270.46
ITEM 2.3	Furnish one inch (1") dia. G.I. Sch. 40 water level Sounding tube from top of well to 2m above the lowest Pump setting including 1m Stick up and cap	P	31,820.04
ITEM 2.4	Furnish 2 inches dia. x 6.0m G.I. Pipe Sch.40 with cap for gravel fill pipe	P	3,586.80
ITEM 2.5	Labor for installation of 6" (150mm) spiral welded steel casing and 6" (150mm) stainless steel junction screen, slot 60 with close bottom	P	78,909.60
ITEM 2.6	Furnish casing centralizers every 12m intervals	P	5,764.50
ITEM 2.7	Furnish 5-10 graded formation stabilizer (pea gravel)	P	206,881.50
ITEM 2.8	Fill Formation stabilizers in annulus around 12" (200mm) I.D. Lining, until level of 5m below ground	P	4,611.60
ITEM 3	WELL DEVELOPMENT		
ITEM 3.1	Develop well by surging. Rate to include installation and removal equipment and removal of deposits in sump pipe upon completion of surging	P	79,012.08
ITEM 3.2	Discharge well by airlifting until water is clear and sand free.	P	158,024.16
ITEM 3.3		P	
ITEM 3.4	Conduct constant discharge pumping/recovery test & submit report.	P	172,166.40
ITEM 3.5	Grout annulus (12 inches X 12 inches x 5 meters depth to ground level)	P	11,887.68
ITEM 3.6	Furnish, install flanged type well head cap	P	8,646.75
SPCL ITEM I	Clean site upon completion of work.	P	4,611.60
	Mobilization/Demobilization	P	23,096.54
SUB TOTAL :-----		P	2,840,873.81
Contingency : 10.000 %-----		P	284,087.38
TOTAL COST FOR THIS PROJECT-----		P	3,124,961.19
SAY -----		P	3,125,000.00

Prepared by:
JOSEPH E. PALMITOS
Engineering Aide

Checked by:

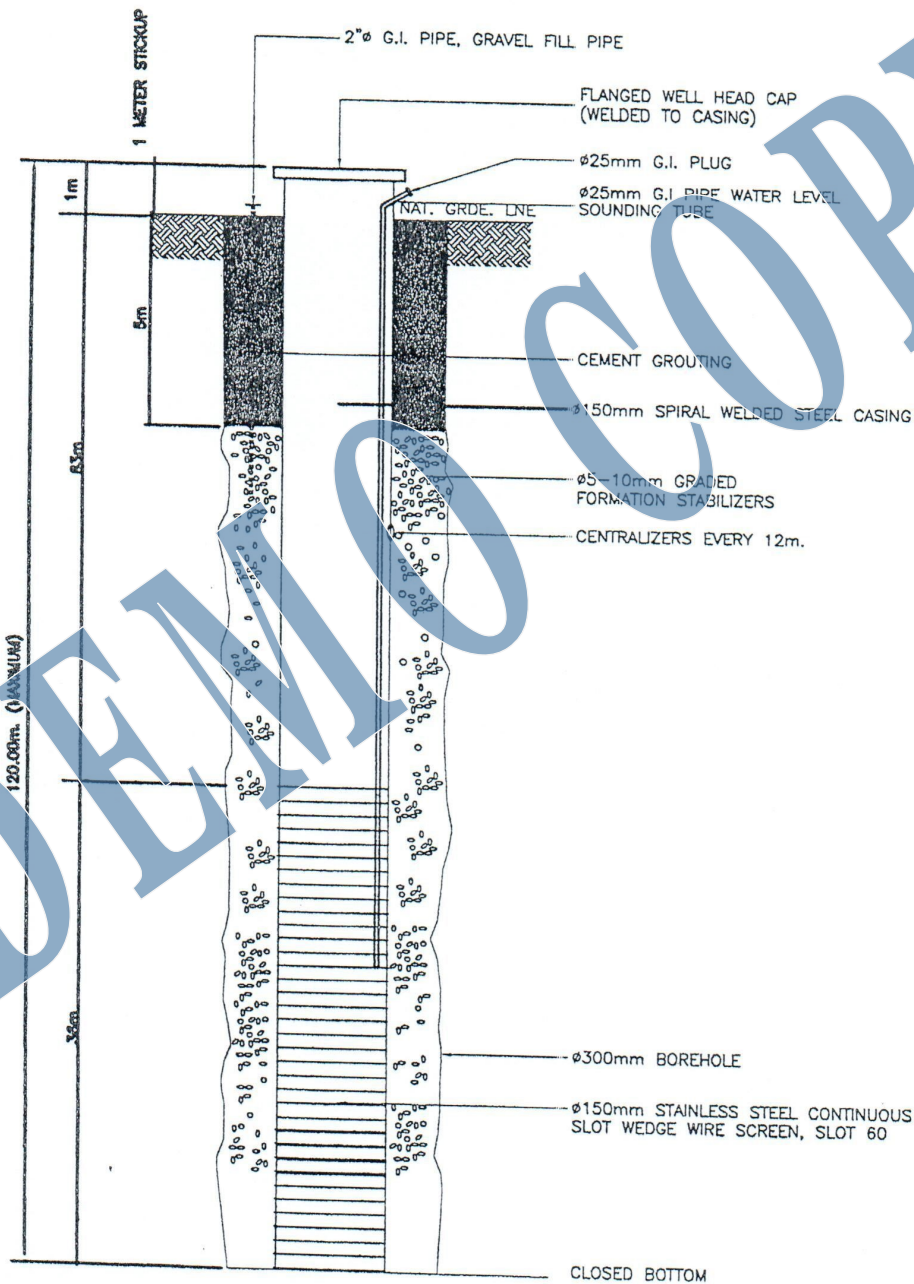
FERDINAND V. CORRO
Sr. Puro

Recommending Approval:

FULTON E.S. MANAWATAO
Acting Head of Office

Approved:

RICHARD I. GOMEZ
City Mayor



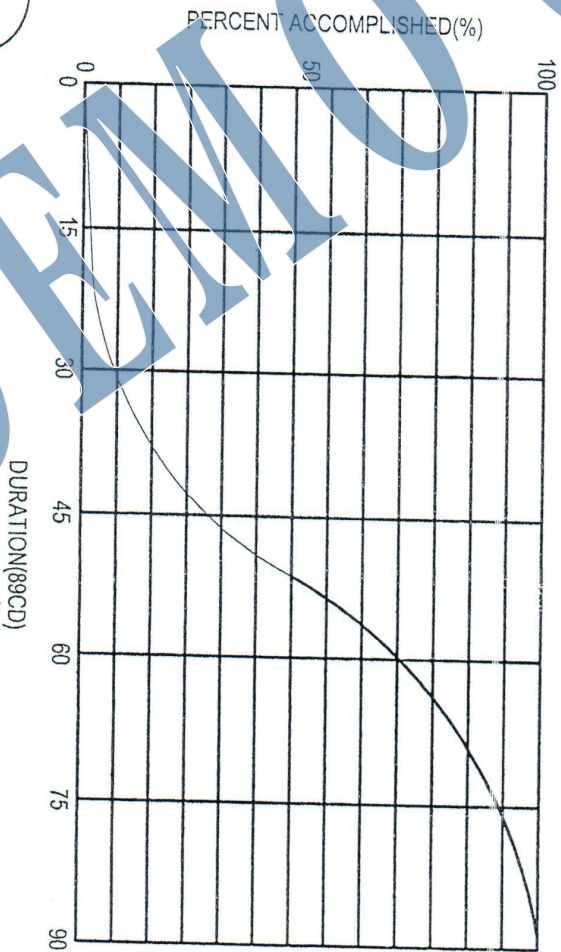
OPTIONAL DESIGN OF DEEP WELL

<p>Republic of the Philippines ORMOC WATERWORKS DIVISION Ormoc City</p>	<p>ORMOC WATER SYSTEM DEVELOPMENT PROGRAM LEVEL (III) DRILLING OF NEW PRODUCTION WELL</p>	<p>Prepared by: <u>JOSEPH E. PALMITOS</u> Engineering Aide I</p> <p>Checked by: <u>[Signature]</u></p>	<p>Recommending Approval: <u>FULTON S. MANAWATAO</u> ACTING HEADQUARTERS</p>	<p>Approved: <u>RICHARD I. GOMEZ</u> City Mayor</p>
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PERT/CPM



S-CURVE	
ACTIVITY	
DESCRIPTION	DURATION(CD)
A	4
B	75
C	6
D	4



Project Title & Location:

Prepared by:

Recommending Approval:

Approved:

Republic of the Philippines
ORMOC WATERWORKS
OFFICE
Ormoc City

ORMOC WATER SYSTEM DEVELOPMENT
PROGRAM LEVEL (III) DRILLING OF NEW
PRODUCTION WELL

Checked by:
JOSEPH E. PALMITOS
Engineering Aide I

FULLON E. S. MANAYATAO
ACTING HEAD OR WASA

RICHARD I. GOMEZ
City Mayor

BRGY. HIBUNA-ON, ORMOC CITY

FERDINAND V. CORRO

Proposed Drilling site

Brgy. Hibuna-on, Elem. School

Brgy. Cabuilhan Elem. School

Going to Brgy. Hibuna-on, Elem. School

LOCATION F

Going to Brgy. Valencia,

Going to City

Project Title & Location:

Prepared by:

Recommending Approval:

Approved:

Republic of the Philippines
MOC WATERWORKS
DIVISION
Ormoc City

ORMOC WATER SYSTEM DEVELOPMENT
PROGRAM LEVEL (III) DRILLING OF NEW
PRODUCTION WELL

JOSEPH E. PALMITOS
Engineering Aide. I

Checked by:

FERRINANT TORRO

EULION S. MANAWATIAO
ACTING-HEAD-ORWASA

