

Republic of the Philippines  
**Department of Public Works and Highways**

Bureau : DPWH  
 Region : IX  
 District/City : Zamboanga City

<b>PROGRAM OF WORK</b>						
(For all types of Project)						
						Date : Dec. 19, 2016
<b>NAME OF PROJECT :</b> Repair/Maintenance of Main Repair Bay & Information Center II			Appropriation : <b>P 2,934,000.00</b>			
<b>LOCATION:</b> DPWH RO IX Compound, Veterans Avenue Extension, Tetuan, Zambo. City			Source of Funds : _____			
<b>PROJECT CATEGORY :</b>  BUILDING			Issued Obligated Authority : _____			
			Released : _____			
			Cal. Days to Complete : 120 CD			
			Desirable Starting Date : _____			
			Mode of Implementation : By Contract			
<b>PROJECT DESCRIPTION :</b>						
a. Installation of Reinforcing Steel (Deformed), Suspended Slab, and Beams						
b. Tiling Works on all second floor and 1 C.R.						
c. Ceilings, Doors, Aluminum Doors and Windows						
d. Metal Railings at Stairs						
e. Electrical and Plumbing Works						
<b>MINIMUM EQUIPMENT REQUIREMENT :</b>			<b>TECHNICAL PERSONNEL REQUIRED :</b>			
Description	No.	Description	No.	Description	No.	
Tile Cutter	1			Project Engineer	1	
One Bagger Mixer	1			Materials Engineer	1	
Concrete Vibrator	1			Materials Laboratory Tech.	1	
Bar Cutter	1			Safety & Health Officer	1	
Bar Bender	1			First Aider	1	
Stake Truck	1			Construction Foreman	1	
				Skilled Laborers	6	
				Unskilled Laborers	12	
<b>ESTIMATED COST OF PROPOSED WORK</b>						
ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
					TOTAL	UNIT COST
<b>PART II - OTHER GENERAL REQUIREMENTS</b>						
B.5	Project Billboard/Signboard	0.24	each	1.00	5,129.60	5,129.60
B.7	Occupational Safety & Health Program	4.77	L.S.	1.00	103,539.20	103,539.20
<b>PART III - CIVIL, MECHANICAL, ELECTRICAL AND SANITARY/PLUMBING WORKS</b>						
<b>DIVISION I - GENERAL</b>						
<b>PART B - Plain and Reinforced Concrete Work</b>						
900(1c5)	Structural Concrete (Suspended Slab)	5.16	cu.m.	13.50	111,910.86	8,289.69
900(1c6)	Structural Concrete (Beams)	4.46	cu.m.	8.84	96,850.17	10,955.90
902(1a1)	Reinforcing Steel (Deformed)	15.48	kg.	3,710.22	335,767.60	90.50
903(1)	Forms and Falseworks	5.73	L.S.	1.00	124,349.61	124,349.61
<b>DIVISION II - BUILDINGS</b>						
<b>PART C - Finishing</b>						
1001	Storm Drainage and Sewerage System	0.78	L.S.	1.00	16,841.10	16,841.10
1002	Plumbing	1.90	L.S.	1.00	41,209.24	41,209.24
1003(1e1)	Ceiling	7.05	sq.m.	190.95	152,889.56	800.68
1003(2b1)	Wall	2.13	sq.m.	31.41	46,264.73	1,472.93
1007(1a)	Aluminum Glass Door	10.33	sq.m.	32.76	224,024.18	6,839.18
1007(1b)	Aluminum Glass Door	5.55	sq.m.	17.68	120,475.09	6,814.20
1008(1a)	Aluminum Glass Window	1.59	sq.m.	5.78	34,567.54	5,980.54
1010(2b)	Doors	0.24	sq.m.	1.89	5,287.21	2,797.47
1018(2)	Unglazed Tiles	3.27	sq.m.	14.60	70,910.34	4,856.87
1018(3)	Granite Tiles	11.92	sq.m.	192.10	258,582.48	1,346.08
1032	Painting Works	5.58	L.S.	1.00	121,119.50	121,119.50
1043(1)	PVC Doors and Frames	0.32	sq.m.	2.52	6,841.56	2,714.90
1051(1)	Metal Railing	3.08	m.	27.28	66,830.08	2,449.78

ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
					TOTAL	UNIT COST
<b>PART D - Electrical</b>						
1100	Conduits, Boxes & Fittings	1.56	L.S.	1.00	33,910.06	33,910.06
1101	Wires & Wiring Devices	5.55	L.S.	1.00	120,486.04	120,486.04
1102	Power Load Center, Switchgear and Panelboards	1.04	L.S.	1.00	22,459.02	22,459.02
1103	Lighting Fixture	2.08	L.S.	1.00	45,151.02	45,151.02
1211(15)	Network Cabling	0.18	L.S.	1.00	3,921.56	3,921.56
<b>TOTAL</b>		<b>100.00</b>			<b>P 2,169,317.33</b>	

**NAME OF PROJECT : Repair/Maintenance of Main Repair Bay & Information Center II**

DPWH RO IX Compound, Veterans Avenue Extension, Tetuan, Zambo. City

<b>BREAKDOWN OF ESTIMATED EXPENDITURES</b>	<b>% OF TOTAL</b>	<b>AMOUNT</b>
I. ESTIMATED COST		
A. DIRECT COST		
A.1. Materials	48.47	1,422,238.96
A.2. Labor	6.61	193,892.75
A.3. Equipment Expenses	18.85	553,185.61
<b>SUB-TOTAL (DIRECT COST)</b>	<b>73.94</b>	<b>P 2,169,317.33</b>
B. INDIRECT COST (Per D.O. # 57)		
B.1. Overhead, Contingency & Misc. (15 % Max. of D.C.)	10.56	309,866.72
B.2. Profit (10 % Max. of D.C.)	7.39	216,931.73
C. VAT (5% of D.C. and I.C. Per D.O. # 22)	4.59	134,805.79
<b>SUBTOTAL (CONTRACT COST)</b>	<b>96.49</b>	<b>P 2,830,921.57</b>
II. ESTIMATED GOVERNMENT EXPENDITURES		
1. Engineering and Administrative Overhead (3.5%)	3.50	102,690.00
2. Detailed Engineering (1%)		
3. Reserved for the Payment of RROW		
4. Physical Reserved	0.01	388.43
<b>TOTAL ESTIMATED PROJECT COST</b>	<b>100.00</b>	<b>P 2,934,000.00</b>

Prepared :  <b><u>ELWICK P. ACUÑA</u></b> Engineer II	Submitted:  <b><u>WILHELMINA B. KASIM</u></b> OIC - Chief, Maintenance Division
Recommending Approval :  <b><u>CAYAMOMBAO D. DIA</u></b> OIC - Assistant Regional Director	Approved :  <b><u>JORGE U. SEBASTIAN, JR., CESO III</u></b> Regional Director

**APPROVED BUDGET FOR THE CONTRACT**

**Repair/Maintenance of Main Repair Bay & Information Center II  
DPWH RO IX Compound, Veterans Avenue Extension, Tetuan, Zambo. City**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN %		TOTAL MARK-UPS		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
								(5) x (8)	5%[(5) + (9)]	(9) + (10)	(5) + (11)	(12) / (3)
<b>PART II - OTHER GENERAL REQUIREMENTS</b>												
B.5	Project Billboard/Signboard	1.00	each	5,129.60	15.00	10.00	25.00	1,282.40	320.60	1,603.00	6,732.60	6,732.60
B.7	Occupational Safety & Health Program	1.00	L.S.	103,539.20	-	10.00	10.00	10,353.92	5,694.66	16,048.58	119,587.78	119,587.78
SUB-TOTAL FOR PART II				108,668.80					6,015.26	17,651.58	126,320.38	
<b>PART III - CIVIL, MECHANICAL, ELECTRICAL AND SANITARY/PLUMBING WORKS</b>												
<b>DIVISION I - GENERAL</b>												
<b>PART B - Plain and Reinforced Concrete Work</b>												
900(1c5)	Structural Concrete (Suspended Slab)	13.50	cu.m.	111,910.86	15.00	10.00	25.00	27,977.72	6,994.43	34,972.14	146,883.00	10,880.22
900(1c6)	Structural Concrete (Beams)	8.84	cu.m.	96,850.17	15.00	10.00	25.00	24,212.54	6,053.14	30,265.68	127,115.85	14,379.62
902(1a1)	Reinforcing Steel (Deformed)	3,710.22	kg.	335,767.60	15.00	10.00	25.00	83,941.90	20,985.47	104,927.37	440,694.97	118.78
903(1)	Forms and Falseworks	1.00	L.S.	124,349.61	15.00	10.00	25.00	31,087.40	7,771.85	38,859.25	163,208.86	163,208.86
SUB-TOTAL FOR PART B				668,878.24					41,804.89	209,024.45	877,902.69	
<b>DIVISION II - BUILDINGS</b>												
<b>PART C - Finishing</b>												
1.001	Storm Drainage and Sewerage System	1.00	L.S.	16,841.10	15.00	10.00	25.00	4,210.27	1,052.57	5,262.84	22,103.94	22,103.94
1.002	Plumbing	1.00	L.S.	41,209.24	15.00	10.00	25.00	10,302.31	2,575.58	12,877.89	54,087.13	54,087.13
1003(1e1)	Ceiling	190.95	sq.m.	152,889.56	15.00	10.00	25.00	38,222.39	9,555.60	47,777.99	200,667.55	1,050.89
1003(2b1)	Wall	31.41	sq.m.	46,264.73	15.00	10.00	25.00	11,566.18	2,891.55	14,457.73	60,722.46	1,933.22
1007(1a)	Aluminum Glass Door	32.76	sq.m.	224,024.18	15.00	10.00	25.00	56,006.04	14,001.51	70,007.56	294,031.73	8,976.42
1007(1b)	Aluminum Glass Door	17.68	sq.m.	120,475.09	15.00	10.00	25.00	30,118.77	7,529.69	37,648.47	158,123.55	8,943.64
1008(1a)	Aluminum Glass Window	5.78	sq.m.	34,567.54	15.00	10.00	25.00	8,641.89	2,160.47	10,802.36	45,369.90	7,849.46
1010(2b)	Doors	1.89	sq.m.	5,287.21	15.00	10.00	25.00	1,321.80	330.45	1,652.25	6,939.46	3,671.67
1018(2)	Unglazed Tiles	14.60	sq.m.	70,910.34	15.00	10.00	25.00	17,727.58	4,431.90	22,159.48	93,069.82	6,374.64
1018(3)	Granite Tiles	192.10	sq.m.	258,582.48	15.00	10.00	25.00	64,645.62	16,161.41	80,807.03	339,389.51	1,766.73
1032	Painting Works	1.00	L.S.	121,119.50	15.00	10.00	25.00	30,279.87	7,569.97	37,849.84	158,969.34	158,969.34
1043(1)	PVC Doors and Frames	2.52	sq.m.	6,841.56	15.00	10.00	25.00	1,710.39	427.60	2,137.99	8,979.55	3,563.31
1051(1)	Metal Railing	27.28	m.	66,830.08	15.00	10.00	25.00	16,707.52	4,176.88	20,884.40	87,714.48	3,215.34
SUB-TOTAL FOR PART C				1,165,842.59					72,865.16	364,325.81	1,530,168.40	
<b>PART D - Electrical</b>												
1100	Conduits, Boxes & Fittings	1.00	L.S.	33,910.06	15.00	10.00	25.00	8,477.52	2,119.38	10,596.90	44,506.96	44,506.96
1101	Wires & Wiring Devices	1.00	L.S.	120,486.04	15.00	10.00	25.00	30,121.51	7,530.38	37,651.89	158,137.93	158,137.93
1102	Power Load Center, Switchgear and	1.00	L.S.	22,459.02	15.00	10.00	25.00	5,614.75	1,403.69	7,018.44	29,477.46	29,477.46
1103	Lighting Fixture	1.00	L.S.	45,151.02	15.00	10.00	25.00	11,287.75	2,821.94	14,109.69	59,260.71	59,260.71
1211(15)	Network Cabling	1.00	L.S.	3,921.56	15.00	10.00	25.00	980.39	245.10	1,225.49	5,147.05	5,147.05
SUB-TOTAL FOR PART D				225,927.70					14,120.48	70,602.41	296,530.10	
<b>TOTAL</b>				<b>2,169,317.33</b>					<b>134,805.79</b>	<b>661,604.24</b>	<b>2,830,921.57</b>	

Prepared by :

Submitted by :

Recommending Approval :

Approved by :

**BELEN A. SAPALLEDA**

Head, BAC Technical Working Group

**WILHELMINA B. KASIM**

OIC - Chief, Maintenance Division

**CAYAMOMBAO D. DIA**

OIC - Asst. Regional Director

**JORGE U. SEBASTIAN, JR., CESO III**

Regional Director

## DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 902(1a1) Reinforcing Steel (Deformed)

Unit of Measurement: kg.

Output per hour:

Quantity: 3,710.22

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	17.00	611.92	10,402.64
	c. Skilled Laborers	2	17.00	443.20	15,068.80
	d. Laborers	8	17.00	342.24	46,544.64
Sub-total for A					P 72,016.08
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Bar Cutter	2	8.50	1,758.00	29,886.00
	b. Bar Bender	2	8.50	2,812.00	47,804.00
	c. Cargo Truck (2 - 5 MT)	2	2.55	6,264.00	31,946.40
Sub-total for B					P 109,636.40
C.	Total (A+B)				181,652.48
D.	Output/day	-	kg./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Reinforcing Steel Bars, Grade 40	3,895.73	kg.	38.00	148,037.78
	b. #16 G.I. Tie Wire	77.91	kg.	78.00	6,077.34
Sub-total for E					P 154,115.12
F.	Direct Cost (C + E)				335,767.60
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		50,365.14
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		33,576.76
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		20,985.47
J.	Total Unit Cost				118.78

## DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 900(1c5) Structural Concrete (Suspended Slab)

Unit of Measurement: cu.m.

Output per hour:

Quantity: 13.50

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	12.00	611.92	7,343.04
	b. Skilled Laborers	2	12.00	443.20	10,636.80
	c. Laborers	4	12.00	342.24	16,427.52
Sub-total for A					P 34,407.36
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. One Bagger Mixer	1	12.00	1,376.00	16,512.00
	b. Concrete Vibrator	1	12.00	730.00	8,760.00
Sub-total for B					P 25,272.00
C.	Total (A+B)				59,679.36
D.	Output/day	- cu.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Portland Cement	128.25	bag	265.00	33,986.25
	b. Coarse Aggregate	6.75	cu.m.	901.00	6,081.75
	c. Gravel	13.50	cu.m.	901.00	12,163.50
Sub-total for E					P 52,231.50
F.	Direct Cost (C + E)				111,910.86
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	16,786.63
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	11,191.09
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	6,994.43
J.	Total Unit Cost				10,880.22

## DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 900(1c6) Structural Concrete (Beams)

Unit of Measurement: cu.m.

Output per hour: 0.1275

Quantity: 8.84

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	8.67	611.92	5,303.31
	b. Skilled Laborers	4	8.67	443.20	15,364.27
	c. Laborers	8	8.67	342.24	23,728.64
Sub-total for A					P 44,396.21
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. One Bagger Mixer	1	8.67	1,376.00	11,925.33
	b. Concrete Vibrator	1	8.67	730.00	6,326.67
Sub-total for B					P 18,252.00
C.	Total (A+B)				62,648.21
D.	Output/day	1.02	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Portland Cement	83.98	bag	265.00	22,254.70
	b. Coarse Aggregate	4.42	cu.m.	901.00	3,982.42
	c. Gravel	8.84	cu.m.	901.00	7,964.84
Sub-total for E					P 34,201.96
F.	Direct Cost (C + E)				96,850.17
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	14,527.53
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	9,685.02
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	6,053.14
J.	Total Unit Cost				14,379.62

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 903(1) Forms and Falseworks

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	9.00	611.92	5,507.28
	b. Skilled Laborers	4	9.00	443.20	15,955.20
	c. Laborers	5	9.00	342.24	15,400.80
Sub-total for A					P 36,863.28
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				3,686.33
Sub-total for B					P 3,686.33
C.	Total (A+B)				40,549.61
D.	Output/day				
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Coco Lumber	4,016.00	bd.ft.	15.00	60,240.00
	b. 1/4" thk. x 4' x 8' Ordinary Plywood	56.00	pc.	385.00	21,560.00
	c. Assorted CW Nails	40.00	kg.	50.00	2,000.00
Sub-total for E					P 83,800.00
F.	Direct Cost (C + E)				124,349.61
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		18,652.44
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		12,434.96
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		7,771.85
J.	Total Unit Cost				163,208.86



## DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1003(1e1) Ceiling

Unit of Measurement: sq.m.

Output per hour:

Quantity: 190.95

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	10.00	611.92	6,119.20
	b. Skilled Laborers	3	10.00	443.20	13,296.00
	c. Laborers	6	10.00	342.24	20,534.40
Sub-total for A					P 39,949.60
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Hand Drill	1	5.00	250.00	1,250.00
	Minor Tools 10% of Labor				3,994.96
Sub-total for B					P 3,994.96
C.	Total (A+B)				43,944.56
D.	Output/day	- sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. 1/2" x 4' x 8' Ordinary Gypsum Board	63.00	pc.	380.00	23,940.00
	b. 1/2" x 4' x 8' Moisture Resistant Gypsum Board	4.00	pc.	520.00	2,080.00
	c. 22 mm. x 25 mm. x 0.40 mm. thk. Universal Furring	276.00	pc.	290.00	80,040.00
	d. 10 mm. x 16 mm. Stud Screw	80.00	pc.	2.00	160.00
	e. Wall Angle	48.00	pc.	30.00	1,440.00
	f. 1/8" x 1/2" Blind Rivets	3.00	box	295.00	885.00
	g. 1/8" Drill Bit	2.00	box	200.00	400.00
Sub-total for E					P 108,945.00
F.	Direct Cost (C + E)				152,889.56
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		22,933.43
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		15,288.96
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		9,555.60
J.	Total Unit Cost				1,050.89

## DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1003(2b1) Wall

Unit of Measurement: sq.m.

Output per hour:

Quantity: 31.41

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	3.00	611.92	1,835.76
	b. Skilled Laborers	3	3.00	443.20	3,988.80
	c. Laborers	6	3.00	342.24	6,160.32
Sub-total for A					P 11,984.88
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Hand Drill	1	1.5	250.00	375.00
	Minor Tools 10% of Labor				1,198.49
Sub-total for B					P 1,198.49
C.	Total (A+B)				13,183.37
D.	Output/day	- sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. 1/4" x 4' x 8' Fiber Cement Board	11.00	pc.	450.00	4,950.00
	b. 1-1/2" x 4" x 10' Metal Studs	78.00	pc.	350.00	27,300.00
	c. 1/8" x 1/2" Blind Rivets	2.00	box	295.00	590.00
	d. Steel Plate	0.88	sq.m.	47.00	41.36
	e. 1/8" Drill Bit	1.00	box	200.00	200.00
Sub-total for E					P 33,081.36
F.	Direct Cost (C + E)				46,264.73
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	6,939.71
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	4,626.47
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	2,891.55
J.	Total Unit Cost				1,933.22

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1007(1a) Aluminum Glass Door

Unit of Measurement: sq.m.

Output per hour:

Quantity: 32.76

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	4.00	611.92	2,447.68
	b. Skilled Laborers	2	4.00	443.20	3,545.60
	c. Laborers	3	4.00	342.24	4,106.88
Sub-total for A					P 10,100.16
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				1,010.02
Sub-total for B					P 1,010.02
C.	Total (A+B)				11,110.18
D.	Output/day	- sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. W/D - 4.20 m. x 2.60 m. x 1/4" thk. Bronze Glass on Analok Frame	3.00	set	70,980.00	212,914.00
Sub-total for E					P 212,914.00
F.	Direct Cost (C + E)				224,024.18
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	33,603.63
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	22,402.42
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	14,001.51
J.	Total Unit Cost				8,976.42

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1007(1b) Aluminum Glass Door

Unit of Measurement: sq.m.

Output per hour:

Quantity: 17.68

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	2.00	611.92	1,223.84
	b. Skilled Laborers	2	2.00	443.20	1,772.80
	c. Laborers	3	2.00	342.24	2,053.44
Sub-total for A					P 5,050.08
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				505.01
Sub-total for B					P 505.01
C.	Total (A+B)				5,555.09
D.	Output/day	- sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. W/D-1: 3.40 m. x 2.60 m. x 1/4" thk. Bronze Glass on Analok Frame, Fixed on One Side	1.00	set	57,460.00	57,460.00
	b. W/D-2: 3.40 m. x 2.60 m. x 1/4" thk. Bronze Glass on Analok Frame, Fixed on Both Sides	1.00	set	57,460.00	57,460.00
Sub-total for E					P 114,920.00
F.	Direct Cost (C + E)				120,475.09
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		18,071.26
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		12,047.51
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		7,529.69
J.	Total Unit Cost				8,943.64

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1008(1a) Aluminum Glass Window

Unit of Measurement: sq.m.

Output per hour:

Quantity: 5.78

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	1.00	611.92	611.92
	b. Skilled Laborers	2	1.00	443.20	886.40
	c. Laborers	3	1.00	342.24	1,026.72
Sub-total for A					P 2,525.04
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				252.50
Sub-total for B					P 252.50
C.	Total (A+B)				2,777.54
D.	Output/day	- sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. W/1: 3.40 m. x 1.70 m. x 1/4" thk. Bronze Glass on Analok Frame, Fixed on Both Sides	1.00	set	31,790.00	31,790.00
Sub-total for E					P 31,790.00
F.	Direct Cost (C + E)				34,567.54
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	5,185.13
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	3,456.75
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	2,160.47
J.	Total Unit Cost				7,849.46

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1010(2b) Doors

Unit of Measurement: sq.m.

Output per hour:

Quantity: 1.89

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	1.00	611.92	611.92
	b. Skilled Laborers	1	1.00	443.20	443.20
	c. Laborers	2	1.00	342.24	684.48
Sub-total for A					P 1,739.60
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				173.96
Sub-total for B					P 173.96
C.	Total (A+B)				1,913.56
D.	Output/day	- sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. D-2: 0.90 m. x 2.10 m. Panel Type Swing Door (includes jamb, knob and hinges)	1.00	set	3,373.65	3,373.65
Sub-total for E					P 3,373.65
F.	Direct Cost (C + E)				5,287.21
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	793.08
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	528.72
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	330.45
J.	Total Unit Cost				3,671.67

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1018(3) Granite Tiles

Unit of Measurement: sq.m.

Output per hour:

Quantity: 192.10

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	13.00	611.92	7,954.96
	b. Skilled Laborers	3	13.00	443.20	17,284.80
	c. Laborers	6	13.00	342.24	26,694.72
Sub-total for A					P 51,934.48
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Angle Grinder	1	9.00	250.00	2,250.00
Sub-total for B					P 2,250.00
C.	Total (A+B)				54,184.48
D.	Output/day	- sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. 60 cm. x 60 cm. Granite Tiles	530.00	pc.	320.00	169,600.00
	b. 60 cm. x 60 cm. Granite Tiles (Unglazed)	31.00	pc.	280.00	8,680.00
	c. Tile Adhesive	22.00	bag	244.00	5,368.00
	d. Tile Grout	97.00	pack	200.00	19,400.00
	e. Diamond Blade Cutter	3.00	pc.	450.00	1,350.00
Sub-total for E					P 204,398.00
F.	Direct Cost (C + E)				258,582.48
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		38,787.37
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		25,858.25
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		16,161.41
J.	Total Unit Cost				1,766.73

## DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1032 Painting Works

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	8.00	611.92	4,895.36
	b. Skilled Laborers	4	8.00	443.20	14,182.40
	c. Laborers	8	8.00	342.24	21,903.36
Sub-total for A					P 40,981.12
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
Sub-total for B					P -
C.	Total (A+B)				40,981.12
D.	Output/day	-			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Concrete Neutralizer	5.00	gal.	500.00	2,500.00
	b. Paint Remover	13.00	gal.	556.00	7,228.00
	c. Red Oxide	2.00	gal.	500.00	1,000.00
	d. Primer White	17.00	gal.	682.00	11,594.00
	e. Flat Enamel White	10.00	gal.	775.00	7,750.00
	f. Quick Dry Enamel	8.00	gal.	775.00	6,200.00
	g. Acrylic Gloss Latex	30.00	gal.	759.00	22,770.00
	h. Tinting Color	25.00	pint	46.38	1,159.38
	i. Paint Thinner	19.00	gal.	324.00	6,156.00
	j. Bondtite with Hardener	12.00	gal.	530.00	6,360.00
	k. Patching Compound	10.00	kg.,	44.00	440.00
	l. 7" Roller Brush Cloth with Tray	8.00	pc.	150.00	1,200.00
	m. 7" Roller Brush with Cloth Refill	8.00	pc.	90.00	720.00
	n. 4" Baby Roller	8.00	pc.	90.00	720.00
	o. 3" Paint Brush	6.00	pc.	90.00	540.00
	p. 2" Paint Brush	6.00	pc.	75.00	450.00
	q. Scraper	8.00	pc.	40.00	320.00
	r. Sandpaper #100	20.00	pc.	10.00	200.00
	s. Sandpaper #120	20.00	pc.	13.00	260.00
	t. Masking Tape (Big)	5.00	pc.	25.00	125.00
	u. Rust Converter	1.00	gal.	574.00	574.00
	v. Red Oxide	4.00	gal.	468.00	1,872.00
Sub-total for E					P 80,138.38
F.	Direct Cost (C + E)				121,119.50
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		18,167.92
H.	Contractor's Profit(CP)		10% per D.O. 197 s 2016		12,111.95
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		7,569.97
J.	Total Unit Cost				158,969.34



### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1051(1) Metal Railing

Unit of Measurement: m.

Output per hour:

Quantity: 27.28

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	10.00	611.92	6,119.20
	b. Skilled Laborers	2	10.00	443.20	8,864.00
	c. Laborers	4	10.00	342.24	13,689.60
Sub-total for A					P 28,672.80
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Welding Machine	1	5.00	3,128.00	15,640.00
	b. Cutting Outfit	1	5.00	363.60	1,818.00
	Minor Tools 10% of Labor				2,867.28
Sub-total for B					P 20,325.28
C.	Total (A+B)				48,998.08
D.	Output/day	- m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. 50 mm. dia. Stainless Pipe	5.00	pc.	880.00	4,400.00
	b. 13 mm. dia. Stainless Pipe	15.00	pc.	480.00	7,200.00
	c. Flat Bar	19.00	pc.	78.00	1,482.00
	d. Welding Rod	5.00	kg.	150.00	750.00
	e. Oxygen/Acetylene	2.00	set	2,000.00	4,000.00
Sub-total for E					P 17,832.00
F.	Direct Cost (C + E)				66,830.08
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	10,024.51
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	6,683.01
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	4,176.88
J.	Total Unit Cost				3,215.34

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1100 Conduits, Boxes & Fittings

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	8.00	611.92	4,895.36
	b. Skilled Laborers	2	8.00	443.20	7,091.20
	c. Laborers	4	8.00	342.24	10,951.68
Sub-total for A					P 22,938.24
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				2,293.82
Sub-total for B					P 2,293.82
C.	Total (A+B)				25,232.06
D.	Output/day	-			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Utility Box	22.00	pc.	32.00	704.00
	b. Junction Box	18.00	pc.	34.00	612.00
	c. 15 mm. dia. PVC Moldflex (100 m./roll)	2.00	roll	800.00	1,600.00
	d. 15 mm. dia. PVC Pipe	50.00	pc.	73.00	3,650.00
	e. 20 mm. dia. PVC Pipe	22.00	pc.	96.00	2,112.00
Sub-total for E					P 8,678.00
F.	Direct Cost (C + E)				33,910.06
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	5,086.51
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	3,391.01
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	2,119.38
J.	Total Unit Cost				44,506.96

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1101 Wires & Wiring Devices

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	5.00	611.92	3,059.60
	b. Skilled Laborers	2	5.00	443.20	4,432.00
	c. Laborers	4	5.00	342.24	6,844.80
Sub-total for A					P 14,336.40
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				1,433.64
Sub-total for B					P 1,433.64
C.	Total (A+B)				15,770.04
D.	Output/day	-			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. #14 THHN Str. Copper Wire	3.00	box	4,350.00	13,050.00
	b. #12 THHN Str. Copper Wire	2.00	box	3,600.00	7,200.00
	c. #08 THHN Str. Copper Wire	1.00	box	5,700.00	5,700.00
	d. #02 THHN Str. Copper Wire	50.00	m.	50.00	2,500.00
	e. #1/0 THHN Str. Copper Wire	50.00	m.	50.00	2,500.00
	f. Duplex Convenience Outlet	10.00	set	170.00	1,700.00
	g. Floor (Pop-Up) Convenience Outlet	18.00	set	3,780.00	68,040.00
	h. One-Gang Switch	2.00	set	96.00	192.00
	i. Two-Gang Switch	6.00	set	132.00	792.00
	j. Three-Gang Switch	3.00	set	178.00	534.00
	k. Electrical Tape (Big)	20.00	roll	31.00	620.00
	l. Aircon Outlet	4.00	set	472.00	1,888.00
Sub-total for E					P 104,716.00
F.	Direct Cost (C + E)				120,486.04
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		18,072.91
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		12,048.60
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		7,530.38
J.	Total Unit Cost				158,137.93

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1102 Power Load Center, Switchgear and Panelboards

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	2.00	611.92	1,223.84
	b. Skilled Laborers	2	2.00	443.20	1,772.80
	c. Laborers	4	2.00	342.24	2,737.92
Sub-total for A					P 5,734.56
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				573.46
Sub-total for B					P 573.46
C.	Total (A+B)				6,308.02
D.	Output/day	-			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. 4-Branches Panel Board	1.00	set	1,250.00	1,250.00
	b. 6-Branches Panel Board	1.00	set	1,750.00	1,750.00
	c. 8-Branches Panel Board	1.00	set	2,500.00	2,500.00
	d. 15 amp Circuit Breaker	6.00	set	200.00	1,200.00
	e. 30 amp Circuit Breaker	3.00	set	374.00	1,122.00
	f. 40 amp Circuit Breaker	1.00	set	374.00	374.00
	g. 60 amp Circuit Breaker	4.00	set	950.00	3,800.00
	h. 100 amp Circuit Breaker	1.00	set	1,025.00	1,025.00
	i. 250 amp Circuit Breaker	1.00	set	1,200.00	1,200.00
	j. 400 amp Circuit Breaker	1.00	set	1,500.00	1,500.00
	k. Pull Box	1.00	set	430.00	430.00
Sub-total for E					P 16,151.00
F.	Direct Cost (C + E)				22,459.02
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		3,368.85
H.	Contractor's Profit(CP)		10% per D.O. 197 s 2016		2,245.90
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		1,403.69
J.	Total Unit Cost				29,477.46

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1103 Lighting Fixture

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	2.00	611.92	1,223.84
	b. Skilled Laborers	2	2.00	443.20	1,772.80
	c. Laborers	4	2.00	342.24	2,737.92
Sub-total for A					P 5,734.56
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				573.46
Sub-total for B					P 573.46
C.	Total (A+B)				6,308.02
D.	Output/day	-			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. 15 watts Pin Light	29.00	set	567.00	16,443.00
	b. 20 watts Pin Light	24.00	set	600.00	14,400.00
	c. 15 watts Spot Light	1.00	set	8,000.00	8,000.00
Sub-total for E					P 38,843.00
F.	Direct Cost (C + E)				45,151.02
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	6,772.65
H.	Contractor's Profit(CP)			10% per D.O. 197 s 2016	4,515.10
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	2,821.94
J.	Total Unit Cost				59,260.71

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1211(15) Network Cabling

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	1.00	611.92	611.92
	b. Skilled Laborers	1	1.00	443.20	443.20
	c. Laborers	2	1.00	342.24	684.48
Sub-total for A					P 1,739.60
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				173.96
Sub-total for B					P 173.96
C.	Total (A+B)				1,913.56
D.	Output/day	-			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Telephone Outlet	1.00	set	208.00	208.00
	b. UTP Cord Cat5	1.00	roll	1,800.00	1,800.00
Sub-total for E					P 2,008.00
F.	Direct Cost (C + E)				3,921.56
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	588.23
H.	Contractor's Profit(CP)			10% per D.O. 197 s 2016	392.16
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	245.10
J.	Total Unit Cost				5,147.05

## DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Improvement of Information Building (Phase II)

Item No./Description: B.5 Project Billboard/Signboard

Unit of Measurement: each

Output per hour:

Quantity: 1.00

*Per D.O. 141, s. 2016*

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	1.00	611.92	611.92
	b. Skilled Labor	1	1.00	443.20	443.20
	c. Unskilled Labor	2	1.00	342.24	684.48
Sub-total for A					P 1,739.60
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
Sub-total for B					P -
C.	Total (A+B)				1,739.60
D.	Output/day	-	each/day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Ordinary Plywood 1/2" thk. x 4' x 8'	1.00	pc.	690.00	690.00
	b. Tarpaulin (4' x 8')	1.00	pc.	800.00	800.00
	c. Assorted Lumber	50.00	bd.ft.	37.00	1,850.00
	d. Assorted CW Nails	1.00	kg.	50.00	50.00
Sub-total for E					P 3,390.00
F.	Direct Cost (C + E)				5,129.60
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		769.44
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		512.96
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		320.60
J.	Total Unit Cost				6,732.60

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: B.7 Occupational Safety & Health Program

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Safety & Health Officer	1	60.00	611.92	36,715.20
	b. First Aider	1	120.00	443.20	53,184.00
Sub-total for A					P 89,899.20
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
Sub-total for B					P -
C.	Total (A+B)				89,899.20
D.	Output/day				
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Medical Supplies	1.00	set	5,000.00	5,000.00
	b. Rubber Boots, Long w/ Steel Toe, Black	12.00	pair	400.00	4,800.00
	c. Working Gloves	12.00	pair	20.00	240.00
	d. Hard Hat	12.00	pc.	300.00	3,600.00
Sub-total for E					P 13,640.00
F.	Direct Cost (C + E)				103,539.20
G.	Overhead, Contingencies and Miscellaneous			per D.O. 197 s 2016	-
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	10,353.92
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	5,694.66
J.	Total Unit Cost				119,587.78



### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1001 Storm Drainage and Sewerage System

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	4.00	611.92	2,447.68
	b. Skilled Laborers	1	4.00	443.20	1,772.80
	c. Laborers	3	4.00	342.24	4,106.88
Sub-total for A					P 8,327.36
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				832.74
Sub-total for B					P 832.74
C.	Total (A+B)				9,160.10
D.	Output/day				
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. 4" dia. PVC Pipe	6.00	pc.	640.00	3,840.00
	b. 4" dia. PVC Elbow 90 deg.	2.00	pc.	85.00	170.00
	c. 4" dia. PVC Sanitary Tee	3.00	pc.	178.00	534.00
	d. 4" dia. PVC Clean-out	3.00	pc.	77.00	231.00
	e. 4" x 2" dia. PVC Reducer Tee	3.00	pc.	133.00	399.00
	f. 2" dia. PVC Pipe	5.00	pc.	305.00	1,525.00
	g. 2" dia. PVC Elbow 90 deg.	4.00	pc.	27.00	108.00
	h. 2" dia. PVC P-Trap	2.00	pc.	248.00	496.00
	i. Solvent Cement	2.00	can	189.00	378.00
Sub-total for E					P 7,681.00
F.	Direct Cost (C + E)				16,841.10
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		2,526.16
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		1,684.11
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		1,052.57
J.	Total Unit Cost				22,103.94

## DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1002 Plumbing

Unit of Measurement: L.S.

Output per hour:

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	4.00	611.92	2,447.68
	b. Skilled Laborers	1	4.00	443.20	1,772.80
	c. Laborers	2	4.00	342.24	2,737.92
Sub-total for A					P 6,958.40
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				695.84
Sub-total for B					P 695.84
C.	Total (A+B)				7,654.24
D.	Output/day				
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Water Closet including Fittings and Accessories	2.00	set	7,353.00	14,706.00
	b. Lavatory including Fittings and Accessories	2.00	set	6,615.00	13,230.00
	c. Bronze Faucet	4.00	pc.	166.00	664.00
	d. Floor Drain	2.00	pc.	191.00	382.00
	e. 2" dia. G.I. Pipe	4.00	pc.	1,070.00	4,280.00
	f. 2" dia. G.I. Elbow	3.00	pc.	55.00	165.00
	g. 2" dia. G.I. Tee	1.00	pc.	68.00	68.00
	h. Teflon Tape	4.00	roll	15.00	60.00
Sub-total for E					P 33,555.00
F.	Direct Cost (C + E)				41,209.24
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		6,181.39
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		4,120.92
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		2,575.58
J.	Total Unit Cost				54,087.13

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1043(1) PVC Doors and Frames

Unit of Measurement: sq.m.

Output per hour:

Quantity: 2.52

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	1.00	611.92	611.92
	b. Skilled Laborers	1	1.00	443.20	443.20
	c. Laborers	2	1.00	342.24	684.48
Sub-total for A					P 1,739.60
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates) Minor Tools 10% of Labor				173.96
Sub-total for B					P 173.96
C.	Total (A+B)				1,913.56
D.	Output/day	- sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. 0.60 m. x 2.10 m. PVC Swing Door with Louver (includes hinges and door knob)	2.00	set	2,464.00	4,928.00
Sub-total for E					P 4,928.00
F.	Direct Cost (C + E)				6,841.56
G.	Overhead, Contingencies and Miscellaneous			15% per D.O. 197 s 2016	1,026.23
H.	Contractor's Profit (CP)			10% per D.O. 197 s 2016	684.16
I.	Value Added Tax (VAT)			5% per D.O. 197 s 2016	427.60
J.	Total Unit Cost				3,563.31

### DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Repair/Maintenance of Main Repair Bay & Information Center II

Item No./Description: 1018(2) Unglazed Tiles

Unit of Measurement: sq.m.

Output per hour: 0.39

Quantity: 14.60

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	4.68	611.92	2,863.47
	b. Skilled Laborers	2	4.68	443.20	4,147.90
	c. Laborers	4	4.68	342.24	6,406.03
Sub-total for A					P 13,417.40
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Angle Grinder	1	2.34	250.00	584.94
Sub-total for B					P 584.94
C.	Total (A+B)				14,002.34
D.	Output/day	3.12 sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. 30 cm. x 30 cm. Unglazed Tiles	171.00	pc.	320.00	54,720.00
	b. Tile Adhesive	2.00	bag	244.00	488.00
	c. Tile Grout	4.00	pack	200.00	800.00
	d. Diamond Blade Cutter	2.00	pc.	450.00	900.00
Sub-total for E					P 56,908.00
F.	Direct Cost (C + E)				70,910.34
G.	Overhead, Contingencies and Miscellaneous		15% per D.O. 197 s 2016		10,636.55
H.	Contractor's Profit (CP)		10% per D.O. 197 s 2016		7,091.03
I.	Value Added Tax (VAT)		5% per D.O. 197 s 2016		4,431.90
J.	Total Unit Cost				6,374.64