



Republic of the Philippines  
 Province of Misamis Oriental  
**MUNICIPALITY OF OPOL**  
**OFFICE OF THE MUNICIPAL MAYOR**

**BID SUPPLEMENT NO. 11711271-01**

**RE: Construction of Opol Sanitary Landfill at Sitio Sto. Niño, Brgy. Bagocboc, Opol, Misamis Oriental**

**ANNOUNCEMENT**  
 February 17, 2025

All prospective bidders are hereby informed of the clarification/ modification/ amendment in the Bidding Documents.

The significant changes are as follows:

Section I. Invitation to Bid

<b>BILL OF QUANTITIES</b>			
<b>QTY</b>	<b>UNIT</b>	<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>
<b>PART I. GENERAL REQUIREMENTS</b>			
1.00	L.s.	B.3	Permits and Clearances
1.00	L.s.	B.7(1)	Occupational Safety and Health Program
1.00	ea.	B.5	Project Billboard/Signboard
1.00	L.s.	B.9	Mobilization/Demobilization
<b>PART II. CIVIL WORKS, MECHANICAL, ELECTRICAL, AND SANITARY/PLUMBING WORKS</b>			
<b>A. CONSTRUCTION OF GUARD HOUSE</b>			
3.53	cu.m.	803(1)a	Structure Excavation, Common Soil
2.79	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days
881.33	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40
18.19	sq.m.	903(2)	Formworks and Falseworks
1.00	L.s.	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000
1.00	L.s.	1002(27)	Plumbing Works
5.46	sq.m.	1003(1)a1	Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)
11.40	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.
28.27	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 100mm
56.54	sq.m.	1027(1)	Cement Plaster Finish
5.43	sq.m.	1018(1)	Glazed Tiles & Trims
62.00	sq.m.	1032(1)a	Painting Works, Masonry/Concrete
1.00	L.s.	1047(1)	Structural Steel (Roof Framing Works)
3.26	sq.m.	1010(2)a	Doors (Flush)
1.00	L.s.	1008	Aluminum Glass Windows
1.00	L.s.	PART D	Electrical
<b>B. CONSTRUCTION OF ADMIN BUILDING</b>			
19.56	cu.m.	803(1)a	Structure Excavation, Common Soil
16.58	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days
2617.95	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40
38.79	sq.m.	903(2)	Formworks and Falseworks
1.00	L.s.	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000
1.00	L.s.	1002(27)	Plumbing Works
5.46	sq.m.	1003(1)a1	Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)
11.40	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.
101.47	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 100mm
202.94	sq.m.	1027(1)	Cement Plaster Finish
53.77	sq.m.	1018(1)	Glazed Tiles & Trims
208.40	sq.m.	1032(1)a	Painting Works, Masonry/Concrete
1.00	L.s.	1047(1)	Structural Steel (Roof Framing Works)
8.40	sq.m.	1010(2)a	Doors (Flush)
12.22	sq.m.	1008(1)b	Aluminum Glass Windows (Casement Type)
1.00	L.s.	PART D	Electrical
<b>C. CONSTRUCTION OF MATERIAL RECOVERY FACILITY</b>			
24.20	cu.m.	803(1)a	Structure Excavation, Common Soil
23.84	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days
3737.43	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40
72.00	sq.m.	903(2)	Formworks and Falseworks
37.00	mtr	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000
175.20	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.
48.00	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 100mm

96.00	sq.m.	1027(1)	Cement Plaster Finish
105.60	sq.m.	1032(1)a	Painting Works, Masonry/Concrete
1.00	L.s.	1047(8)	Structural Steel (Post & Roof Framing)
1.00	L.s.	PART D	Electrical
<b>D. CONSTRUCTION OF THE COMPOSTING BED</b>			
8.82	cu.m.	803(1)a	Structure Excavation, Common Soil
14.89	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days
670.58	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40
21.92	sq.m.	903(2)	Formworks and Falseworks
30.00	mtr	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000
98.00	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.
81.00	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 150mm
162.00	sq.m.	1027(1)	Cement Plaster Finish
162.00	sq.m.	1032(1)a	Painting Works, Masonry/Concrete
1.00	L.s.	1047(8)	Structural Steel (Post & Roof Framing)
1.00	L.s.	PART D	Electrical
<b>E. CONSTRUCTION OF WEIGHBRIDGE</b>			
51.53	cu.m.	803(1)a	Structure Excavation, Common Soil
16.23	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days
1305.36	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40
58.62	sq.m.	903(2)	Formworks and Falseworks
1.00	L.s.	1047(1)	Structural Steel
1.00	L.s.	PART D	Electrical
1.00	L.s.	1726	Weigh Bridge System
75.41	sq.m.	1032(1)a	Painting Works
<b>F. CONSTRUCTION OF HAZARDOUS VAULT</b>			
7.20	cu.m.	803(1)a	Structure Excavation (Common Soil)
21.78	cu.m.	900(2)c	Structural Concrete, Class B @ 28 Days
1733.72	kg	902(1)a	Reinforcing Steel (Grade 40)
142.28	sq.m.	903(2)	Formworks and Falseworks
1.00	Ls	1010(2)b	Steel Door and Frames
82.20	sq.m.	1046(2)a2	CHB Non Load Bearing (inc. reinforcing steel), 100mm
164.40	sq.m.	1027(1)	Cement Plaster Finish
129.12	sq.m.	1032(1)a	Painting Works (Masonry/Concrete)
<b>G. CONSTRUCTION OF SANITARY LANDFILL CELL</b>			
80495.84	cu.m.	103(1)a	Structure Excavation (Common Soil)
6171.74	cu.m.	104(1)a	Embankment
12768.54	sq.m.	105(1)	Subgrade Preparation
14056.80	sq.m.	715(1)	Geotextile
14056.80	sq.m.	SPL-1	HDPE Liner 1.5mm Thick
1000.00	cu.m.	SPL-2	Sand Filter
390.00	cu.m.	804 (4)	Gravel Fill
720.00	mts	1001(1)c5	Pipes And Fittings (8" HDPE)
262.60	cu.m.	1710(2)a	Grouted Riprap (Line Canal)
5.00	units	SPL-4	Access Ramp
6.00	units	SPL-5	Gas Vents
396.00	lin.m	SPL-6	HDPE LINE Canal
<b>H. CONSTRUCTION OF WASH BAY</b>			
12.00	cu.m.	803(1)a	Structure Excavation, Common Soil
20.52	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days
2192.66	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40
24.00	sq.m.	903(2)	Formworks and Falseworks
1.00	L.s.	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000
162.00	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span-Rib Type, above 0.427mm thk
1.00	L.s.	1047(1)	Structural Steel (Post & Roof Framing Works)
1.00	L.s.	PART D	Electrical
<b>I. CONSTRUCTION OF LEACHATE TREATMENT POND</b>			
1998.00	cu.m.	103(1)a	Structure Excavation (Common Soil)
1091.28	sq.m.	105(1)	Subgrade Preparation
1091.28	sq.m.	715(1)	Geotextile
1091.28	sq.m.	SPL-1	HDPE Liner 1.5mm thick
24.00	mtr	1001(1)c5	Pipes and Fittings (8" HDPE)
<b>J. CONSTRUCTION OF LEACHATE TREATMENT PLANT</b>			
530.40	cu.m.	803(1)a	Structure Excavation, Common Soil
19.20	cu.m.	804(4)	Gravel Fill Bedding
8025.22	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40
89.73	cu.m.	405(1)b2	Structural Concrete Class A, 27.58 Mpa @ 14 Days
292.20	sq.m.	903(2)	Formworks and Falseworks
30.00	mtr	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000
3.30	sq.m.	1003(1)a1	Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)
22.50	sq.m.	1013(1)	Corrugated Metal Roofing Gauge 26
821.80	sq.m.	1016(1)a	Waterproofing, Cement-based
22.20	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 100mm

22.20	sq.m.	1003(2)a1	4.5mm thk Ficem Board Wall on Metal Frame
45.10	sq.m.	1032(1)a	Painting Works, Masonry/Concrete
1.00	L.s.	1047(8)	Structural Steel (Post & Roof Framing)
1.00	L.s.	1,010.00	Doors and Windows for Control Room
1.00	L.s.	PART D	Electrical
1.00	L.s.	1726	Wastewater Treatment Plant
<b>K. CONCRETING OF ACCESS ROAD</b>			
500.00	cu.m.	102(1)a	Surplus Common Excavation
372.96	cu.m.	103(1)a	Structure Excavation (Common Soil)
2880.00	cu.m.	104(1)a	Embankment
3648.20	sq.m.	105(1)	Subgrade Preparation
347.62	cu.m.	200	Aggregate Sub-base Course
1032.00	sq.m.	311(1)b1	Portland Cement Concrete Pavement (Unreinforced), 0.20m Thk, 3500psi @ 14 days
101.00	cu.m.	1710(2)a	Grouted Riprap (Line Canal)
<b>L. CONSTRUCTION OF BARBED WIRE PERIMETER FENCE</b>			
0.11	ha.	100(1)	Clearing and Grubbing
9.95	cu.m.	803(1)a	Structure Excavation (Common Soil)
3595.41	kg.	902(1)a	Reinforcing Steel (Grade 40)
205.26	sq.m.	903(2)	Formworks and Falseworks
23.09	cu.m.	900(2)c	Structural Concrete, Class B @ 28 Days
5580.00	l.m.	604(1)	Fencing, Barbed Wire

## Section VI. Specifications

### TERMS OF REFERENCE

Project Title: CONSTRUCTION OF OPOL SANITARY LANDFILL

Location: SITIO STO. NIÑO, BRGY BAGOCBOC, OPOL, MISAMIS ORIENTAL

Project Description: The Local Government Unit (LGU) of Opol, Misamis Oriental, through the Budget of LGU-Opol (Bank Loan) intends to apply the sum of Ninety-Nine Million Nine Hundred Ninety Thousand Three Hundred Ninety-Two and 88/100 pesos (PHP 99,990,392.88) being the Approved Budget of the Contract (ABC) for the Construction of Opol Sanitary Landfill at Brgy. BagoCBC, Opol, Misamis Oriental.

The Project composed of 2 parts.

#### Part I. GENERAL REQUIREMENTS

- Permits and Clearances
- Occupational Safety and Health Program
- Project Billboard/Signboard
- Mobilization/Demobilizations

#### Part II. CIVIL WORKS, MECHANICAL, ELECTRICAL, AND SANITARY/ PLUMBING WORKS

##### 1. CONSTRUCTION OF GUARD HOUSE

- Structure Excavation, Common Soil
- Structural Concrete Class A @ 28 Days
- Reinforcing Steel (Deformed), Grade 40
- Formworks and Falseworks
- Pipes and Fittings, 100mm dia. PVC Series 1000
- Plumbing Works
- Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)
- Prepainted Metal Sheets, Long Span - Rib-type, above 0.427 mm thk.
- CHB Non Load Bearing (including reinforcing steel), 100mm
- Cement Plaster Finish
- Glazed Tiles & Trims
- Painting Works, Masonry/Concrete
- Structural Steel (Roof Framing Works)
- Doors (Flush)
- Aluminum Glass Windows
- Electrical

##### 2. CONSTRUCTION OF ADMIN BUILDING

- Structure Excavation, Common Soil
- Structural Concrete Class A @ 28 Days
- Reinforcing Steel (Deformed), Grade 40
- Formworks and Falseworks
- Pipes and Fittings, 100mm dia. PVC Series 1000
- Plumbing Works
- Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)

- Prepainted Metal Sheets, Long Span - Rib-type, above 0.427 mm thk.
- CHB Non Load Bearing (including reinforcing steel), 100mm
- Cement Plaster Finish
- Glazed Tiles & Trims
- Painting Works, Masonry/Concrete
- Structural Steel (Roof Framing Works)
- Doors (Flush)
- Aluminum Glass Windows (Casement Type)
- Electrical

### 3. CONSTRUCTION OF MATERIAL RECOVERY FACILITY

- Structure Excavation, Common Soil
- Structural Concrete Class A @ 28 Days
- Reinforcing Steel (Deformed), Grade 40
- Formworks and Falseworks
- Pipes and Fittings, 100mm dia. PVC Series 1000
- Prepainted Metal Sheets, Long Span - Rib-type, above 0.427 mm thk.
- CHB Non Load Bearing (including reinforcing steel), 100mm
- Cement Plaster Finish
- Painting Works, Masonry/Concrete
- Structural Steel (Post & Roof Framing)
- Electrical

### 4. CONSTRUCTION OF COMPOSTING BED

- Structure Excavation, Common Soil
- Structural Concrete Class A @ 28 Days
- Reinforcing Steel (Deformed), Grade 40
- Formworks and Falseworks
- Pipes and Fittings, 100mm dia. PVC Series 1000
- Prepainted Metal Sheets, Long Span - Rib-type, above 0.427 mm thk.
- CHB Non Load Bearing (including reinforcing steel), 150mm
- Cement Plaster Finish
- Painting Works, Masonry/Concrete
- Structural Steel (Post & Roof Framing)
- Electrical

### 5. CONSTRUCTION OF WEIGHBRIDGE

- Structure Excavation, Common Soil
- Structural Concrete Class A @ 28 Days
- Reinforcing Steel (Deformed), Grade 40
- Formworks and Falseworks
- Structural Steel
- Electrical
- Weigh Bridge System
- Painting Works

### 6. CONSTRUCTION OF HAZARDOUS VAULT

- Structure Excavation (Common Soil)
- Structural Concrete, Class B @ 28 Days
- Reinforcing Steel (Grade 40)
- Formworks and Falseworks
- Steel Door and Frames
- CHB Non Load Bearing (inc. reinforcing steel), 100mm
- Cement Plaster Finish
- Painting Works (Masonry/Concrete)

### 7. CONSTRUCTION OF SANITARY LANDFILL CELL

- Structure Excavation (Common Soil)
- Embankment
- Subgrade Preparation
- Geotextile
- HDPE Liner 1.5mm Thick
- Sand Filter
- Gravel Fill
- Pipes And Fittings (8" Hdpe)
- Grouted Riprap (Line Canal)
- Access Ramp
- Gas Vents
- HDPE Line Canal

### 8. CONSTRUCTION OF WASH BAY

- Structure Excavation, Common Soil
- Structural Concrete Class A @ 28 Days
- Reinforcing Steel (Deformed), Grade 40
- Formworks and Falseworks
- Pipes and Fittings, 100mm dia. PVC Series 1000
- Prepainted Metal Sheets, Long Span-Rib Type, above 0.427mm thk
- Structural Steel (Post & Roof Framing Works)
- Electrical

#### 9. CONSTRUCTION OF LEACHATE TREATMENT POND

- Structure Excavation (Common Soil)
- Subgrade Preparation
- Geotextile
- HDPE Liner 1.5mm Thick
- Pipes And Fittings (8" HDPE)

#### 10. CONSTRUCTION OF LEACHATE TREATMENT PLANT

- Structure Excavation, Common Soil
- Gravel Fill Bedding
- Reinforcing Steel (Deformed), Grade 40
- Structural Concrete Class A, 27.58 Mpa @ 14 Days
- Formworks and Falseworks
- Pipes and Fittings, 100mm dia. PVC Series 1000
- Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)
- Corrugated Metal Roofing Gauge 26
- Waterproofing, Cement-based
- CHB Non Load Bearing (including reinforcing steel), 100mm
- 4.5mm thk Fiber Cement Board Wall on Metal Frame
- Painting Works, Masonry/Concrete
- Structural Steel (Post & Roof Framing)
- Doors and Windows for Control Room
- Electrical
- Wastewater Treatment Plant

#### 11. CONCRETING OF ACCESS ROAD

- Surplus Common Excavation
- Structure Excavation (Common Soil)
- Embankment
- Subgrade Preparation
- Aggregate Subbase Course
- Portland Cement Concrete Pavement (Unreinforced), 0.20m Thk, 3500psi @ 14 Days
- Grouted Riprap (Line Canal)

#### 12. CONSTRUCTION OF BARBED WIRE PERIMETER FENCE

- Clearing and Grubbing
- Structure Excavation (Common Soil)
- Reinforcing Steel (Grade 40)
- Formworks and Falseworks
- Structural Concrete, Class B @ 28 Days
- Fencing, Barbed Wire

The Project is closely monitored by EMB/DENR that it will conform to the latest standards and practices with regards to the Implementing Rules and Regulations of Republic Act 9003 or the Ecological Solid Waste Management Act of 2000 and the DENR ADMINISTRATIVE ORDER NO. 2005-10 other known as Philippine Clean Water Act of 2004. Furthermore, the project must comply with conditions as stated in the Approved Environmental Compliance Certificate (ECC) before construction, during construction and after completion of the project.

The eligibility requirements for the construction of the Opol Sanitary Landfill must include having demonstrated experience in sanitary landfill operations to ensure compliance with the standards set by the Department of Environment and Natural Resources (DENR) during implementation. Furthermore, the contractor must adhere to the applicable provisions of Sections 23-24 of the Implementing Rules and Regulations (IRR) of Republic Act No. 9184.

#### ITB 5.2 – SINGLE LARGEST COMPLETED CONTRACT (SLCC) & PCAB LICENSE ALLOWABLE RANGE OF CONTRACT COST

For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:

- Site Development with Building Construction worth 50 million and above for the past 7 years
- License Category: B
- Size Range: "Medium A" for Roads, Highway, Pavement, Railways, Airport Horizontal and "Medium A" for Building and Industrial Plant

ITB 10.4 – KEY PERSONNEL

For the Construction of the contract, the Bidder is required to deploy the minimum required key personnel:

1. Project Manager
  - a. Licensed Architect or Civil Engineer for at least 10 years.
  - b. Must be involved in a Sanitary Landfill project for the past 5 years, worth 50 million and above. Must present Certificate of Involvement signed by the Implementing Office of the said project/s indicating the amount and year of the said project/s.
2. Environmental Planner
  - a. Licensed Environmental Planner for at least 5 years.
  - b. Must be involved in a Sanitary Landfill project for the past 5 years, worth 50 million and above. Must present Certificate of Involvement signed by the Implementing Office of the said project/s indicating the amount and year of the said project/s.
3. Project Engineer
  - a. Licensed Civil Engineer for at least 10 years.
  - b. At least 10 years' experience in construction projects.
4. Sanitary Engineer
  - a. Licensed Sanitary Engineer for at least 10 years.
  - b. At least 10 years' experience in construction projects.
5. Materials Engineer
  - a. Licensed Materials Engineer for at least 10 years.
  - b. At least 10 years' experience in construction projects.
6. Safety Officer (DOLE Accredited)
  - a. Certified Safety Officer for at least 5 years.
  - b. At least 5 years' experience in construction projects.
7. Foreman
  - a. At least 10 years' experience in construction projects.

ITB 10.5 - EQUIPMENTS

Minimum equipment needed for the said project is as follows:

Self-Loading Truck		1 unit
Excavator (1cum bucket capacity)	2 units	
10T Vibratory Roller		1 unit
Motorized Grader		1 unit
10Wheeler Dump Truck	3 units	
Payloader		1 unit
Single Bagger Mixer		2 units
Concrete Vibrator		2 units
Plate Compactor		1 unit
Bar Bender	1 unit	
Bar Cutter		1 unit
Welding Machine		2 units

PART I. GENERAL REQUIREMENTS					
Item No./Description	:	<b>B.3</b>	<b>Permits and Clearances</b>		
Unit of Measurement	:	<b>1.00</b>	L.s.		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	0.00	0.00		
	-Skilled Workers	0.00	0.00		
	-Unskilled Workers	0.00	0.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				

Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials: Building Permit and Occupancy Permit Application (Fees for Fire Safety Inspection Certificate - FSIC ONLY)				
		L.s.	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		0.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		0.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>B.7(1) Occupational Safety and Health Program</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor: -Safety Officer				
		1.00	2,880.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials: Personal Protective Equipment				
	Safety Helmets	pc	20.00		
	Safety Gloves	pair	20.00		
	Rain Coats	pc	20.00		
	Eye Goggles	pc	20.00		
	Body Harness and Lanyards	pc	20.00		
	Safety Shoes	pair	20.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>B.5 Project Billboard/Signboard</b>					
Unit of Measurement : <b>1.00 ea.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor: -Construction Foreman				
		1.00	8.00		
	-Skilled Workers	1.00	8.00		
	-Unskilled Workers	0.00	0.00		
Sub - Total for A					
	<b>Name and Capacity</b>		<b>No. of Days</b>	<b>Hourly Rate</b>	<b>Amount</b>

		No. of Units			
<b>B</b> Equipment:					
Sub - Total for B					
<b>C</b> Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b> Materials:					
	8' x 8' Tarpaulin for COA Billboard	sq.ft	64.00		
	1/4" x 4' x 8' Plywood	sht	2.00		
	Cocolumber 2 x 2 x 10ft	pcs	15.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%		of E	
<b>H</b>	Non Civil Works	0.00%		of E	
<b>I</b>	Contractors Profit (CP)	8.00%		of E	
<b>J</b>	Value Added Tax (VAT)	5.00%		of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>B.9 Mobilization/Demobilization</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b> Labor:					
	-Construction Foreman	0.00	0.00		
	-Skilled Workers	0.00	0.00		
	-Unskilled Workers	0.00	0.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>B</b> Equipment:					
	Mobilization/Demobilization	L.s.	1.00		
Sub - Total for B					
<b>C</b> Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b> Materials:					
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	0.00%		of E	
<b>H</b>	Non Civil Works	0.00%		of E	
<b>I</b>	Contractors Profit (CP)	0.00%		of E	
<b>J</b>	Value Added Tax (VAT)	5.00%		of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			

**PART II. CIVIL WORKS, MECHANICAL, ELECTRICAL, AND SANITARY/PLUMBING WORKS**

**A. CONSTRUCTION OF GUARD HOUSE**

Item No./Description : **803(1)a Structure Excavation, Common Soil**

Unit of Measurement : **3.53 cu.m.**

	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>A</b> Labor:					



	-Construction Foreman	1.00	8.00		
	-Skilled Workers	2.00	8.00		
	-Unskilled Workers	2.00	8.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Am</b>
<b>D</b>	Materials:				
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description	: 900(1)c1	<b>Structural Concrete Class A @ 28 Days</b>			
Unit of Measurement	: 2.79	cu.m.			
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	8.00		
	-Skilled Workers	4.00	8.00		
	-Unskilled Workers	2.00	8.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>B</b>	Equipment:				
	One Bagger Mixer	1.00	8.00		
Sub - Total for B					
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Am</b>
<b>D</b>	Materials:				
	Portland Cement	bags	26.00		
	Sand	cu.m.	2.00		
	Gravel	cu.m.	3.00		
	Gravel Bedding - G1	cu.m.	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			

<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		
Item No./Description : <b>902(1)a Reinforcing Steel (Deformed), Grade 40</b>				
Unit of Measurement : <b>881.33 kg</b>				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>A</b>	Labor:			
	-Construction Foreman	1.00	24.00	
	-Skilled Workers	4.00	24.00	
	-Unskilled Workers	4.00	24.00	
	Sub - Total for A			
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>B</b>	Equipment:			
	Bar Cutter	1.00	12.00	
	Bar Bender	1.00	12.00	
	Sub - Total for B			
<b>C</b>	Total (A +B)			
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>
<b>D</b>	Materials:			
	12mmØ Def. Bar	lh	71.00	
	10mmØ Def. Bar	lh	84.00	
	Tie Wire #16	kg	26.00	
	Sub - Total for D			
<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		
Item No./Description : <b>903(2) Formworks and Falseworks</b>				
Unit of Measurement : <b>18.19 sq.m.</b>				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>A</b>	Labor:			
	-Construction Foreman	1.00	8.00	
	-Skilled Workers	4.00	8.00	
	-Unskilled Workers	4.00	8.00	
	Sub - Total for A			

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Am
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Am
<b>D</b>	Materials:				
	3/4" thick Phenolic Board	sht	7.00		
	2"x3"x8' Coco Lumber	pc	50.00		
	Assorted CWN	kg	10.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description	: 1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000			
Unit of Measurement	: 1.00	L.s.			
	Designation	No. of person	No. of Hours	Hourly Rate	Am
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	3.00	24.00		
	-Unskilled Workers	3.00	24.00		
	Sub - Total for A				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Am
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Am
<b>D</b>	Materials:				
	4" PVC Pipe Series 1000	lh	5.00		
	Solvent Cement	can	2.00		
	4" PVC 90 degree Elbow	pcs	3.00		
	2" PVC Pipe Series 1000	lh	5.00		
	2" PVC 90 deg Elbow	pcs	3.00		
	4" PVC Cleanout w/ Plug & Sealing Ring (101mm)	pcs	3.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	

H	Non Civil Works	0.00%	of E	#R
I	Contractors Profit (CP)	8.00%	of E	
J	Value Added Tax (VAT)	5.00%	of E+G+H+I	
K	Total Adjusted Cost	E+G+H+I+J		
L	Adjusted Unit Cost	K ÷ Unit of measurement		

Item No./Description : 1002(27) Plumbing Works  
Unit of Measurement : 1.00 L.s.

	Designation	No. of person	No. of Hours	Hourly Rate	Am
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<b>A Labor:</b>					
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	3.00	32.00		
	-Unskilled Workers	3.00	32.00		

Sub - Total for A

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Am
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**B Equipment:**

Sub - Total for B

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Am
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<b>D Materials:</b>					
	Lavatory	set	1.00		
	Water Closet	set	1.00		
	Hose Bibb	set	1.00		
	PVC Pre-Fabricated Septic Tank (small capacity)	set	1.00		

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D			
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<b>F</b>	Unit Cost	E ÷ Unit of measurement			
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<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
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<b>H</b>	Non Civil Works	0.00%	of E	
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<b>I</b>	Contractors Profit (CP)	8.00%	of E	
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<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
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<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
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<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
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Item No./Description : 1003(1)a1 Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)  
Unit of Measurement : 5.46 sq.m.

	Designation	No. of person	No. of Hours	Hourly Rate	Am
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<b>A Labor:</b>					
	-Construction Foreman	1.00	8.00		
	-Skilled Workers	2.00	8.00		
	-Unskilled Workers	2.00	8.00		

Sub - Total for A

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Am
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**B Equipment:**

Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Am
<b>D</b>	Materials:				
	4.5mm Fiber Cement Board	sht	3.00		
	Metal Furring	lh	6.00		
	Carrying Channel	lh	6.00		
	Hanger Rod	pcs	18.00		
	Channel Clip	pcs	60.00		
	Wall Angle	lh	4.00		
	Rivets	box	1.00		
	Metal Screw	pcs	50.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%		of E	
<b>H</b>	Non Civil Works	0.00%		of E	
<b>I</b>	Contractors Profit (CP)	8.00%		of E	
<b>J</b>	Value Added Tax (VAT)	5.00%		of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : 1014(1)b2 Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.					
Unit of Measurement : 11.40 sq.m					
	Designation	No. of person	No. of Hours	Hourly Rate	Am
<b>A</b>	Labor:				
	-Construction Foreman	1.00	8.00		
	-Skilled Workers	2.00	8.00		
	-Unskilled Workers	2.00	8.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Am
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Am
<b>D</b>	Materials:				
	Pre-painted Metal Sheet Gauge 26 Long Span	sq.m.	11.40		
	Pre-painted Gutter, Ga. 24 (0.701 mm) x 2.44m	l.m.	4.88		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%		of E	
<b>H</b>	Non Civil Works	0.00%		of E	
<b>I</b>	Contractors Profit (CP)	8.00%		of E	

<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>1046(2)a2 CHB Non Load Bearing (including reinforcing steel), 100mm</b>					
Unit of Measurement : <b>28.27 sq.m.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	2.00	24.00		
	-Unskilled Workers	4.00	24.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Am</b>
<b>D</b>	Materials:				
	4" CHB	pcs	371.00		
	Portland Cement	bags	16.00		
	Sand	cu.m.	1.00		
	10mmØ Def. Bar	lh	22.00		
	Tie Wire #16	kg	1.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>1027(1) Cement Plaster Finish</b>					
Unit of Measurement : <b>56.54 sq.m.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	48.00		
	-Skilled Workers	2.00	48.00		
	-Unskilled Workers	2.00	48.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>B</b>	Equipment:				

Sub - Total for B					
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Am</b>
<b>D</b>	Materials:				
	Portland Cement	bags	27.00		
	Fine Sand	cu.m.	2.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>1018(1) Glazed Tiles &amp; Trims</b>					
Unit of Measurement : <b>5.43 sq.m.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	8.00		
	-Skilled Workers	2.00	8.00		
	-Unskilled Workers	4.00	8.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>
<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
Sub - Total for B					
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Am</b>
<b>D</b>	Materials:				
	Glazed Ceramic Tiles	sq.m.	5.43		
	Portland Cement	bags	3.00		
	Sand	cu.m.	1.50		
	Tile Adhesive	bags	2.00		
	Consumables (3% of Material Cost)	lot	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		

<b>L</b>	Adjusted Unit Cost					K ÷ Unit of measurement
Item No./Description	: 1032(1)a	<b>Painting Works, Masonry/Concrete</b>				
Unit of Measurement	: 62.00	sq.m.				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>	
<b>A</b>	Labor:					
	-Construction Foreman	1.00	56.00			
	-Skilled Workers	2.00	56.00			
	-Unskilled Workers	2.00	56.00			
	Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>	
<b>B</b>	Equipment:					
	Minor Tools (10% of Labor Cost)					
	Sub - Total for B					
<b>C</b>	Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Am</b>	
<b>D</b>	Materials:					
	Skim Coat	bag	3.00			
	Flat Latex Paint	gal	3.00			
	Semi Gloss Latex Paint	gal	3.00			
	Gloss Latex Paint	gal	3.00			
	Consumables (3% of Material Cost)	lot	1.00			
	Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D			
<b>F</b>	Unit Cost		E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E		
<b>H</b>	Non Civil Works		0.00%	of E		
<b>I</b>	Contractors Profit (CP)		8.00%	of E		
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost		E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement			
Item No./Description	: 1047(1)	<b>Structural Steel (Roof Framing Works)</b>				
Unit of Measurement	: 1.00	L.s.				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>	
<b>A</b>	Labor:					
	-Construction Foreman	1.00	40.00			
	-Skilled Workers	2.00	40.00			
	-Unskilled Workers	2.00	40.00			
	Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>	
<b>B</b>	Equipment:					
	Welding Machine	1.00	30.00			
	Minor Tools (10% of Labor Cost)					



Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Am
<b>D</b> Materials:					
	1 1/2" x 1 1/2" x 6mm angle Bar	lh	5.00		
	2"x4"x2mm C Purlins	lh	10.00		
	Welding Rod	kg	2.00		
	Metal Epoxy (Gray)	gal	1.00		
	Consumables (3% of Material Cost)	lot	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : 1010(2)a Doors (Flush)					
Unit of Measurement : 3.26 sq.m.					
	Designation	No. of person	No. of Hours	Hourly Rate	Am
<b>A</b> Labor:					
	-Construction Foreman	1.00	16.00		
	-Skilled Workers	1.00	16.00		
	-Unskilled Workers	1.00	16.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Am
<b>B</b> Equipment:					
Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Am
<b>D</b> Materials:					
	2.1mx0.9m Flush Solid Core	sq.m.	1.89		
	2.1mx0.65m Wooden Flush Door with Louver	sq.m.	1.37		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		

<b>L</b>	Adjusted Unit Cost					K ÷ Unit of measurement
Item No./Description	: 1008	Aluminum Glass Windows				
Unit of Measurement	: 1.00	L.s.				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>	
<b>A</b>	Labor:					
	-Construction Foreman	1.00	8.00			
	-Skilled Workers	1.00	8.00			
	-Unskilled Workers	2.00	8.00			
	Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>	
<b>B</b>	Equipment:					
	Sub - Total for B					
<b>C</b>	Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Am</b>	
<b>D</b>	Materials:					
	1.2mx1.2m Sliding Window	sq.m.	1.44			
	0.5mx0.7m Awning Glass Window	sq.m.	0.35			
	Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D				
<b>F</b>	Unit Cost	E ÷ Unit of measurement				
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%		of E		
<b>H</b>	Non Civil Works	0.00%		of E		
<b>I</b>	Contractors Profit (CP)	8.00%		of E		
<b>J</b>	Value Added Tax (VAT)	5.00%		of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J				
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement				
Item No./Description	: PART D	Electrical				
Unit of Measurement	: 1.00	L.s.				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>	
<b>A</b>	Labor:					
	-Construction Foreman	1.00	112.00			
	-Skilled Workers	1.00	112.00			
	-Unskilled Workers	2.00	112.00			
	Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Am</b>	
<b>B</b>	Equipment:					
	Minor Tools (10% of Labor Cost)					
	Sub - Total for B					
<b>C</b>	Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Am</b>	
<b>D</b>	Materials:					

Main Board (NEMA-1) 6 Branch			
Main Protection: 60 AT MCB ,2P Plug-in Type			
Branches:	3 - 20 AT CB , 2P Plug-in Type, 10KAIC	set	1.00
	2- 20 AT CB , 2P Plug-in Type, 10KAIC		
3.5 mm <sup>2</sup> THHN-2 wire		roll	1.00
4"Ø Recessed Type Pin Light Frame		pcs.	3.00
9 Watts LED Bulb		pcs.	3.00
1 Gang Switch		set	1.00
2 Gang Switch		set	1.00
2 Gang Outlet		set	1.00
PVC Utility Box		set	4.00
PVC Junction Box		pcs.	3.00
20mmØ Flexible Hose		Meter	50.00
8.0 mm <sup>2</sup> THHN-2 wire		Meter	12.00
25mmØ EMT Pipe		L	1.00
25mmØ EMT Elbow		pc	1.00
25mmØ EMT Entrance Cap		Pc	1.00
25mmØ EMT Coupling		Pcs.	2.00
25mmØ EMT Connector		pcs.	2.00
Meter Base Round 100 Ampere 25mmØ		set	1.00
60 AT CB, NEMA 3R frame		set	1.00
Electrical Concrete Pedestal for Meter Base		lot	1.00
Consumables (3% of Material Cost)		lot	1.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		

**B. CONSTRUCTION OF ADMIN BUILDING**

Item No./Description : **803(1)a Structure Excavation, Common Soil**  
Unit of Measurement : **19.56 cu.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	48.00		
	-Skilled Workers	2.00	48.00		
	-Unskilled Workers	2.00	48.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
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**B** Equipment:

Sub - Total for B

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<b>C Total (A +B)</b>					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D Materials:</b>					
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			<b>P</b>
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	-
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			<b>P</b>
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>900(1)c1 Structural Concrete Class A @ 28 Days</b>					
Unit of Measurement : <b>16.58 cu.m.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A Labor:</b>					
	-Construction Foreman	1.00	48.00		
	-Skilled Workers	4.00	48.00		
	-Unskilled Workers	2.00	48.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B Equipment:</b>					
	One Bagger Mixer	1.00	48.00		
Sub - Total for B					
<b>C Total (A +B)</b>					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D Materials:</b>					
	Portland Cement	bags	157.00		
	Sand	cu.m.	9.00		
	Gravel	cu.m.	18.00		
	Gravel Bedding - G1	cu.m.	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			<b>P 1</b>
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	-
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			<b>P 1</b>
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>902(1)a Reinforcing Steel (Deformed), Grade 40</b>					
Unit of Measurement : <b>2,617.95 kg</b>					

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	64.00		₱
	-Skilled Workers	4.00	64.00		₱
	-Unskilled Workers	4.00	64.00		₱
	Sub - Total for A				₱
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Bar Cutter	1.00	32.00		₱
	Bar Bender	1.00	32.00		₱
	Sub - Total for B				₱
<b>C</b>	Total (A +B)				₱
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	12mmØ Def. Bar	lh	159.00		₱
	10mmØ Def. Bar	lh	302.00		₱
	Tie Wire #16	kg	79.00		₱
	Sub - Total for D				₱1
<b>E</b>	Estimated Direct Cost		C + D		₱ 2
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	₱
<b>H</b>	Non Civil Works		0.00%	of E	-
<b>I</b>	Contractors Profit (CP)		8.00%	of E	₱
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	₱
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		₱ 2
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description	: 903(2)	<b>Formworks and Falseworks</b>			
Unit of Measurement	: 38.79	sq.m.			
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	16.00		₱
	-Skilled Workers	4.00	16.00		₱
	-Unskilled Workers	4.00	16.00		₱
	Sub - Total for A				₱
	Name and Capacity	Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	GI Pipe Scaffolding (rental)	lot	1.00		₱
	Sub - Total for B				₱
<b>C</b>	Total (A +B)				₱
	Name and Capacity	Unit	Quantity	Unit Cost	Amount

<b>D</b>	Materials: 3/4" thick Phenolic Board	sht	7.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			P
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		P
<b>H</b>	Non Civil Works	0.00%	of E		-
<b>I</b>	Contractors Profit (CP)	8.00%	of E		P
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		P
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			P
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>1001(1)a7 Pipes and Fittings, 100mm dia. PVC Series 1000</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		P
	-Skilled Workers	3.00	24.00		P
	-Unskilled Workers	3.00	24.00		P
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	4" PVC Pipe Series 1000	lh	10.00		P
	Solvent Cement	can	5.00		
	4" PVC 90 degree Elbow	pcs	6.00		
	2" PVC Pipe Series 1000	lh	10.00		
	2" PVC 90 deg Elbow	pcs	5.00		
	4" PVC Cleanout w/ Plug & Sealing Ring (101mm)	pcs	6.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		EF!
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>1002(27) Plumbing Works</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>		<b>Amount</b>

				Hourly Rate	
<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		₱
	-Skilled Workers	3.00	32.00		₱
	-Unskilled Workers	3.00	32.00		₱
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Lavatory	set	1.00		₱
	Water Closet	set	1.00		₱
	Hose Bibb	set	1.00		₱
	PVC Pre-Fabricated Septic Tank (small capacity)	set	1.00		₱
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			₱
<b>F</b>	Unit Cost	E ÷ Unit of measurement			₱
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		₱
<b>H</b>	Non Civil Works	0.00%	of E		-
<b>I</b>	Contractors Profit (CP)	8.00%	of E		₱
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		₱
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			₱
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			₱
Item No./Description	: 1003(1)a1	<b>Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)</b>			
Unit of Measurement	: 5.46	sq.m.			
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	8.00		₱
	-Skilled Workers	2.00	8.00		₱
	-Unskilled Workers	2.00	8.00		₱
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	4.5mm Fiber Cement Board	sht	14.00		₱
	Metal Furring	lh	30.00		₱

Carrying Channel	lh	25.00
Hanger Rod	pcs	75.00
Channel Clip	pcs	200.00
Wall Angle	lh	18.00
Rivets	box	1.00
Metal Screw	pcs	200.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D		₱
<b>F</b>	Unit Cost	E ÷ Unit of measurement		₱
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	₱
<b>H</b>	Non Civil Works	0.00%	of E	-
<b>I</b>	Contractors Profit (CP)	8.00%	of E	₱
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	₱
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		₱
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		₱

Item No./Description : **1014(1)b2** **Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.**  
Unit of Measurement : **11.40** sq.m

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	8.00		
	-Skilled Workers	2.00	8.00		
	-Unskilled Workers	2.00	8.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Pre-painted Metal Sheet Gauge 26 Long Span	sq.m.	11.40		₱
	Pre-painted Gutter, Ga. 24 (0.701 mm) x 2.44m	l.m.	10.00		₱
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D		₱
<b>F</b>	Unit Cost	E ÷ Unit of measurement		₱
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	₱
<b>H</b>	Non Civil Works	0.00%	of E	-
<b>I</b>	Contractors Profit (CP)	8.00%	of E	₱
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	₱
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		₱
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		₱

Item No./Description : **1046(2)a2** **CHB Non Load Bearing (including reinforcing steel), 100mm**  
Unit of Measurement : **101.47** sq.m

	Designation	No. of person	No. of Hours	Amount
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				Hourly Rate	
<b>A</b>	Labor:				
	-Construction Foreman	1.00	64.00		₱
	-Skilled Workers	2.00	64.00		₱
	-Unskilled Workers	4.00	64.00		₱
Sub - Total for A					
<b>Name and Capacity</b>		<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	Total (A +B)				
<b>Name and Capacity</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	4" CHB	pcs	1,332.00		₱
	Portland Cement	bags	57.00		₱
	Sand	cu.m.	5.00		₱
	10mmØ Def. Bar	lh	79.00		₱
	Tie Wire #16	kg	3.00		₱
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>1027(1) Cement Plaster Finish</b>					
Unit of Measurement : <b>202.94 sq.m.</b>					
<b>Designation</b>		<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	112.00		₱
	-Skilled Workers	3.00	112.00		₱
	-Unskilled Workers	3.00	112.00		₱
Sub - Total for A					
<b>Name and Capacity</b>		<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	Total (A +B)				
<b>Name and Capacity</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Portland Cement	bags	96.00		₱
	Fine Sand	cu.m.	5.00		₱

Sub - Total for D					
E	Estimated Direct Cost	C + D			
F	Unit Cost	E ÷ Unit of measurement			
G	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
H	Non Civil Works	0.00%	of E		-
I	Contractors Profit (CP)	8.00%	of E		
J	Value Added Tax (VAT)	5.00%	of E+G+H+I		
K	Total Adjusted Cost	E+G+H+I+J			₱ 1
L	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description	: 1018(1)	Glazed Tiles & Trims			
Unit of Measurement	: 53.77	sq.m.			
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	2.00	32.00		
	-Unskilled Workers	4.00	32.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
Sub - Total for B					
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Ceramic Glazed Tiles w/ 10% Waste Allowance	sq.m.	59.15		
	Portland Cement	bags	8.00		
	Sand	cu.m.	1.00		
	Tile Adhesive	bags	3.00		
	Consumables (3% of Material Cost)	lot	1.00		
Sub - Total for D					
E	Estimated Direct Cost	C + D			
F	Unit Cost	E ÷ Unit of measurement			
G	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
H	Non Civil Works	0.00%	of E		-
I	Contractors Profit (CP)	8.00%	of E		
J	Value Added Tax (VAT)	5.00%	of E+G+H+I		
K	Total Adjusted Cost	E+G+H+I+J			₱
L	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description	: 1032(1)a	Painting Works, Masonry/Concrete			
Unit of Measurement	: 208.40	sq.m.			
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	184.00		

	-Skilled Workers	2.00	184.00		
	-Unskilled Workers	2.00	184.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Skim Coat	bag	11.00		
	Flat Latex Paint	gal	11.00		
	Semi Gloss Latex Paint	gal	11.00		
	Gloss Latex Paint	gal	9.00		
	Consumables (3% of Material Cost)	lot	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			<b>P</b>
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		<b>P</b>
<b>H</b>	Non Civil Works	0.00%	of E		-
<b>I</b>	Contractors Profit (CP)	8.00%	of E		<b>P</b>
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		<b>P</b>
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			<b>P 1</b>
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description	: 1047(1)	<b>Structural Steel (Roof Framing Works)</b>			
Unit of Measurement	: 1.00	L.s.			
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	112.00		
	-Skilled Workers	4.00	112.00		
	-Unskilled Workers	2.00	112.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Welding Machine	1.00	84.00		
	Minor Tools (10% of Labor Cost)				
Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	2"x2"x6mm Angle Bar	lh	48.00		
	1"x1"x6mm Angle Bar (Fascia Frame)	lh	15.00		

2"x4"x1.5mm C Purlins	lh	20.00
12mm Plain round bar	lh	10.00
Metal Epoxy (Gray)	gal	10.00
Consumables (3% of Material Cost)	lot	1.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D		<b>₱ 2</b>
<b>F</b>	Unit Cost	E ÷ Unit of measurement		<b>₱ 2</b>
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	<b>₱</b>
<b>H</b>	Non Civil Works	0.00%	of E	-
<b>I</b>	Contractors Profit (CP)	8.00%	of E	<b>₱</b>
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	<b>₱</b>
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		<b>₱ 2</b>
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		<b>₱ 2</b>

Item No./Description : **1010(2)a Doors (Flush)**  
Unit of Measurement : **8.40 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	1.00	24.00		
	-Unskilled Workers	1.00	24.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	2.1mx0.9m Panel Door Tanguile	sq.m.	5.67		
	2.1mx0.65m Wooden Flush Door with Louver	sq.m.	2.73		
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D		<b>₱</b>
<b>F</b>	Unit Cost	E ÷ Unit of measurement		<b>₱</b>
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	<b>₱</b>
<b>H</b>	Non Civil Works	0.00%	of E	-
<b>I</b>	Contractors Profit (CP)	8.00%	of E	<b>₱</b>
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	<b>₱</b>
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		<b>₱</b>
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		<b>₱</b>

Item No./Description : **1008(1)b Aluminum Glass Windows (Casement Type)**  
Unit of Measurement : **12.22 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
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<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	2.00	32.00		
	-Unskilled Workers	2.00	32.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Swing Type Steel Casement Window	sq.m.	12.22		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)			10.00%	of E
<b>H</b>	Non Civil Works			0.00%	of E
<b>I</b>	Contractors Profit (CP)			8.00%	of E
<b>J</b>	Value Added Tax (VAT)			5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost			K ÷ Unit of measurement	
Item No./Description : <b>PART D Electrical</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	168.00		
	-Skilled Workers	1.00	168.00		
	-Unskilled Workers	2.00	168.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Main Board (NEMA-1) 10 Branch				
	Main Protection: 125 AT MCCB ,2P Bolt-on				
	Branches:	2 - 30 AT CB,2P Bolt-on,10KAIC	set	1.00	
		6 - 20 AT CB , 2P Bolt-on, 10KAIC			
		2 - 15 AT CB , 2P Bolt-on,10KAIC			
	5.5 mm <sup>2</sup> THHN-2 wire		roll	1.00	
	3.5 mm <sup>2</sup> THHN-2 wire		rolls	2.00	

20 mm Ø Flexible Hose (1/2)	mtrs.	150.00
PVC Utility Box	pcs.	25.00
PVC Junction Box	pcs.	20.00
16 Watts T8 LED Lights Tube with Frame	set	9.00
4"Ø Recessed Type Pin Light Frame	set	3.00
9 Watts Recessed LED Lights	pcs.	3.00
2 Gang Switch	set	2.00
1 Gang Switch	set	4.00
2 Gang Convenience Outlet	set	14.00
ACU Outlet	set	2.00
150 x150 Metal Pull box	pcs.	2.00
C- Clamp 40mmØ	pcs.	6.00
40 mm Ø EMT Pipe	L	1.00
40 mmØ EMT Elbow	pcs.	2.00
40 mmØ EMT Entrance Cap	pcs.	1.00
40 mmØ EMT Coupling	pcs.	4.00
40 mmØ EMT Connector	pcs.	5.00
30 mm² THHN-2 wire	Meters	12.00
Meter Base square 150 Ampere 40 mmØ	set	1.00
125 AT CB, NEMA 3R frame	set	1.00
C- Clamp 40mmØ Metal	set	10.00
20 mm Ø PVC Pipe (1/2)	Pcs.	25.00
25 mm Ø PVC Pipe (3/4)	Pcs.	10.00
Electrical Concrete Pedestal for Meter Base	lot	1.00
Consumables (3% of Material Cost)	lot	1.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D		₱ 1
<b>F</b>	Unit Cost	E ÷ Unit of measurement		₱ 1
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	₱
<b>H</b>	Non Civil Works	0.00%	of E	-
<b>I</b>	Contractors Profit (CP)	8.00%	of E	₱
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	₱
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		₱ 1
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		₱ 1

**C. CONSTRUCTION OF MATERIAL RECOVERY FACILITY**

Item No./Description : **803(1)a Structure Excavation, Common Soil**  
Unit of Measurement : **24.20 cu.m**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	56.00		
	-Skilled Workers	2.00	56.00		
	-Unskilled Workers	2.00	56.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount

**B** Equipment:

Sub - Total for B					-
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
<b>Structural Concrete Class A @ 28 Days</b> Item No./Description : <b>900(1)c1</b> Unit of Measurement : <b>23.84</b> cu.m.					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	6.00	32.00		
	-Unskilled Workers	8.00	32.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	One Bagger Mixer	1.00	32.00		
Sub - Total for B					
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Portland Cement	bags	225.00		
	Sand	cu.m.	13.00		
	Gravel	cu.m.	26.00		
	Gravel Bedding - G1	cu.m.	15.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
<b>Reinforcing Steel (Deformed), Grade 40</b> Item No./Description : <b>902(1)a</b> Unit of Measurement : <b>3,737.43</b> kg					

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	96.00		
	-Skilled Workers	4.00	96.00		
	-Unskilled Workers	4.00	96.00		
	Sub - Total for A				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Bar Cutter	1.00	48.00		
	Bar Bender	1.00	48.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	12mmØ Def. Bar	lh	338.00		
	10mmØ Def. Bar	lh	318.00		
	Tie Wire #16	kg	112.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description	: 903(2)	<b>Formworks and Falseworks</b>			
Unit of Measurement	: 72.00	sq.m.			
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	4.00	32.00		
	-Unskilled Workers	4.00	32.00		
	Sub - Total for A				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	GI Pipe Scaffolding (rental)	lot	1.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				



3/4" thick Phenolic Board

sht

16.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **1001(1)a7 Pipes and Fittings, 100mm dia. PVC Series 1000**

Unit of Measurement : **37.00** mtr.

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	3.00	24.00		
	-Unskilled Workers	3.00	24.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					

<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	4" PVC Pipe Series 1000	lh	13.00		
	Solvent Cement	can	10.00		
	4" PVC 90 degree Elbow	pcs	30.00		
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **1014(1)b2 Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.**

Unit of Measurement : **175.20** sq.m

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	56.00		
	-Skilled Workers	4.00	56.00		
	-Unskilled Workers	4.00	56.00		

Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b> Equipment:					
Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b> Materials:					
	Pre-painted Metal Sheet Gauge 26 Long Span	sq.m.	175.20		
	Pre-painted Ridge Roll, Ga. 24 (0.701 mm) x 2.44m	ln.m.	7.00		
	Consumables (3% of Material Cost)	lot	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%		of E	
<b>H</b>	Non Civil Works	0.00%		of E	-
<b>I</b>	Contractors Profit (CP)	8.00%		of E	
<b>J</b>	Value Added Tax (VAT)	5.00%		of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>1046(2)a2 CHB Non Load Bearing (including reinforcing steel), 100mm</b>					
Unit of Measurement : <b>48.00 sq.m.</b>					
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b> Labor:					
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	2.00	32.00		
	-Unskilled Workers	4.00	32.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b> Equipment:					
Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b> Materials:					
	4" CHB	pcs	630.00		
	Portland Cement	bags	37.00		
	Sand	cu.m.	1.00		
	10mmØ Def. Bar	lh	27.00		
	Tie Wire #16	kg	2.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%		of E	

<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **1027(1) Cement Plaster Finish**  
Unit of Measurement : **96.00 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	80.00		
	-Skilled Workers	2.00	80.00		
	-Unskilled Workers	2.00	80.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Sub - Total for B				

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Portland Cement	bags	45.00		
	Fine Sand	cu.m.	3.00		
	Sub - Total for D				

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **1032(1)a Painting Works, Masonry/Concrete**  
Unit of Measurement : **105.60 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	56.00		
	-Skilled Workers	4.00	56.00		
	-Unskilled Workers	3.00	56.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
	Sub - Total for B				

<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Skim Coat	bag	6.00		
	Flat Latex Paint	gal	6.00		
	Semi Gloss Latex Paint	gal	6.00		
	Gloss Latex Paint	gal	5.00		
	Consumables (3% of Material Cost)	lot	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)			10.00%	of E
<b>H</b>	Non Civil Works			0.00%	of E
<b>I</b>	Contractors Profit (CP)			8.00%	of E
<b>J</b>	Value Added Tax (VAT)			5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost			K ÷ Unit of measurement	
Item No./Description : <b>1047(8) Structural Steel (Post &amp; Roof Framing)</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	224.00		
	-Skilled Workers	6.00	224.00		
	-Unskilled Workers	4.00	224.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours		
<b>B</b>	Equipment:				
	Welding Machine	1.00	168.00	₱ 439.50	
	Minor Tools (10% of Labor Cost)				
Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	6" BI Pipe Column Sch 40	lh	10.00		
	1 1/2"x1 1/2" x 6mm Angle Bar	lh	74.00		
	2"x4"x2mm C Purlins	lh	60.00		
	12mm Plain round bar	lh	30.00		
	12mm Turnbuckle	pcs	20.00		
	16mm thk. Steel Plate	kg	226.08		
	1/2" Anchor Bolt	pcs	80.00		
	2"x2"x2mm Square Tube	lh	41.00		
	2"x2"x3mm Wire Mesh	sh	32.00		
	Welding Rod	kg	50.00		
	Metal Epoxy (Gray)	gal	10.00		
	Consumables (3% of Material Cost)	lot	1.00		

Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>PART D Electrical</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	168.00		
	-Skilled Workers	1.00	168.00		
	-Unskilled Workers	2.00	168.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
Sub - Total for B					
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Main Board (NEMA-1) 10 Branch				
	Main Protection: 100 AT MCCB ,2P Bolt-on				
	Branches:	2 - 30 AT CB,2P Bolt-on,10KAIC	set	1.00	
		6 - 20 AT CB , 2P Bolt-on, 10KAIC			
		2 - 15 AT CB , 2P Bolt-on,10KAIC			
	20 mm Ø PVC PIPE (1/2)	pc	30.00		
	3.5 mm² THHN-2 wire	rolls	3.00		
	20 mm Ø Flexible Hose (1/2)	mtrs.	150.00		
	Utility Box	pcs.	15.00		
	PVC Junction Box	pcs.	10.00		
	16 Watts T8 LED Lights Tube with Frame	set	10.00		
	1 Gang Swtich	set	2.00		
	2 Gang Swtich	set	2.00		
	2 Gang Convenience Outlet	set	8.00		
	Metal Pull box (152mm x152mm x 101mm) Ga. #16	pcs.	2.00		
	40 mm Ø EMT Pipe (1 1/2" Ø)	lh	1.00		
	40 mmØ EMT Elbow (1 1/2" Ø)	pc.	2.00		
	40 mmØ EMT Entrance Cap (1 1/2" Ø)	pc.	1.00		
	40 mmØ EMT Coupling (1 1/2" Ø)	pc.	4.00		
	40 mmØ EMT Connector (1 1/2" Ø)	pc.	5.00		
	30 mm² THHN-2 wire	mtr.	12.00		
	Meter Base square 150 Ampere 40 mmØ	set	1.00		

100 AT CB, NEMA 3R frame	set	1.00
C- Clamp 40mmØ metal	pc.	15.00
C Purlins 2 x 4 (C-PURLINS CABLE TRUNK & LIGHTING FIXTURE HANGER)	pc.	18.00
Concrete Pedestal for Meter Base	lot	1.00
Consumables (3% of Material Cost)	lot	1.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

**D. CONSTRUCTION OF THE COMPOSTING BED**

Item No./Description : **803(1)a** Structure Excavation, Common Soil  
Unit of Measurement : **8.82** cu.m

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	2.00	24.00		
	-Unskilled Workers	2.00	24.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Sub - Total for B				

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Sub - Total for D				

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **900(1)c1** Structural Concrete Class A @ 28 Days  
Unit of Measurement : **14.89** cu.m.

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
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<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	6.00	24.00		
	-Unskilled Workers	8.00	24.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	One Bagger Mixer	1.00	24.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Portland Cement	bags	124.00		
	Sand	cu.m.	7.00		
	Gravel G-3/4"	cu.m.	14.00		
	Gravel Bedding G-1	cu.m.	2.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description		: 902(1)a	Reinforcing Steel (Deformed), Grade 40		
Unit of Measurement		: 670.58	kg		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	3.00	24.00		
	-Unskilled Workers	4.00	24.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Bar Cutter	1.00	12.00		
	Bar Bender	1.00	12.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	12mmØ Def. Bar	lh	27.00		
	10mmØ Def. Bar	lh	91.00		
	Tie Wire #16	kg	20.00		
	Sub - Total for D				

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **903(2) Formworks and Falseworks**  
Unit of Measurement : **21.92 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	16.00		
	-Skilled Workers	4.00	16.00		
	-Unskilled Workers	4.00	16.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	GI Pipe Scaffolding (rental)	lot	1.00		
	Sub - Total for B				

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	3/4" thick Phenolic Board	sht	5.00		
	Sub - Total for D				

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **1001(1)a7 Pipes and Fittings, 100mm dia. PVC Series 1000**  
Unit of Measurement : **30.00 mtr.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	2.00	24.00		
	-Unskilled Workers	2.00	24.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Sub - Total for B				

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
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<b>D</b> Materials:					
	4" PVC Pipe Series 1000	lh	10.00		
	Solvent Cement	can	5.00		
	4" PVC 90 degree Elbow	pcs	6.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>1014(1)b2</b> <b>Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.</b>					
Unit of Measurement : <b>98.00</b> sq.m					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b> Labor:					
	-Construction Foreman	1.00	48.00		
	-Skilled Workers	2.00	48.00		
	-Unskilled Workers	4.00	48.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b> Equipment:					
Sub - Total for B					
<b>C</b> Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b> Materials:					
	Pre-painted Metal Sheet Gauge 26 Long Span	sq.m.	98.00		
	Pre-painted Ridge Roll, Ga. 24 (0.701 mm) x 2.44m	ln.m.	17.08		
	Consumables (3% of Material Cost)	lot	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>1046(2)a2</b> <b>CHB Non Load Bearing (including reinforcing steel), 150mm</b>					
Unit of Measurement : <b>81.00</b> sq.m.					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b> Labor:					
	-Construction Foreman	1.00	48.00		
	-Skilled Workers	2.00	48.00		
	-Unskilled Workers	4.00	48.00		

Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	6" CHB	pcs	1,063.00		
	Portland Cement	bags	89.00		
	Sand	cu.m.	7.00		
	10mmØ Def. Bar	lh	63.00		
	Tie Wire #16	kg	2.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>1027(1) Cement Plaster Finish</b>					
Unit of Measurement : <b>162.00 sq.m.</b>					
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	88.00		
	-Skilled Workers	3.00	88.00		
	-Unskilled Workers	3.00	88.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Portland Cement	bags	77.00		
	Fine Sand	cu.m.	4.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		

Item No./Description	:	<b>1032(1)a</b>	<b>Painting Works, Masonry/Concrete</b>		
Unit of Measurement	:	<b>162.00</b>	sq.m.		
		<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>A</b>	Labor:				
		-Construction Foreman	1.00	96.00	
		-Skilled Workers	4.00	96.00	
		-Unskilled Workers	2.00	96.00	
		Sub - Total for A			
		<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>B</b>	Equipment:				
		Minor Tools (10% of Labor Cost)			
		Sub - Total for B			
<b>C</b>	Total (A +B)				
		<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>
<b>D</b>	Materials:				
		Skim Coat	bag	9.00	
		Flat Latex Paint	gal	9.00	
		Semi Gloss Latex Paint	gal	9.00	
		Gloss Latex Paint	gal	7.00	
		Consumables (3% of Material Cost)	lot	1.00	
		Sub - Total for D			
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)			10.00%	of E
<b>H</b>	Non Civil Works			0.00%	of E
<b>I</b>	Contractors Profit (CP)			8.00%	of E
<b>J</b>	Value Added Tax (VAT)			5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost			K ÷ Unit of measurement	
Item No./Description	:	<b>1047(8)</b>	<b>Structural Steel (Post &amp; Roof Framing)</b>		
Unit of Measurement	:	<b>1.00</b>	L.s.		
		<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>A</b>	Labor:				
		-Construction Foreman	1.00	120.00	
		-Skilled Workers	4.00	120.00	
		-Unskilled Workers	4.00	120.00	
		Sub - Total for A			
		<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>B</b>	Equipment:				
		Welding Machine	1.00	90.00	
		Minor Tools (10% of Labor Cost)			
		Sub - Total for B			
<b>C</b>	Total (A +B)				
		<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>
<b>D</b>	Materials:				

6" BI Pipe Column Sch 40	lh	4.00
2"x2"x6mm Angle Bar	lh	48.00
1 1/2"x1 1/2" x 6mm Angle Bar	lh	52.00
2"x4"x1.5mm C Purlins	lh	21.00
12mmØ PRB	lh	4.00
16mm thk. Steel Plate	kg	90.43
Welding Rod	kg	15.00
Metal Epoxy (Gray)	gal	5.00
Consumables (3% of Material Cost)	lot	1.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **PART D Electrical**  
Unit of Measurement : **1.00 L.s.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
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<b>A</b>	Labor:				
	-Construction Foreman	1.00	168.00		
	-Skilled Workers	1.00	168.00		
	-Unskilled Workers	2.00	168.00		

Sub - Total for A

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
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<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
	Sub - Total for B				

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
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<b>D</b>	Materials:				
	Main Board (NEMA-1) 10 Branch				
	Main Protection: 100 AT MCCB ,2P Bolt-on				
	Branches:				
	2 - 30 AT CB,2P Bolt-on,10KAIC	set	1.00		
	6 - 20 AT CB , 2P Bolt-on, 10KAIC				
	2 - 15 AT CB , 2P Bolt-on,10KAIC				
	20 mm Ø PVC PIPE (1/2)	pc	10		
	3.5 mm² THHN-2 wire	rolls	2		
	20 mm Ø Flexible Hose (1/2)	mtr.	100		
	Wall Switch Box	pcs.	5		
	PVC Junction Box	pcs.	5		
	16 Watts T8 LED Lights Tube with Frame	set	8		
	2 Gang Swtich (water proof)	set	2		
	2 Gang Convenience Outlet (water ptoof)	set	2		
	Metal Pull box (152mm x152mm x 101mm) Ga. #16	pcs.	1		
	40 mm Ø EMT Pipe (1 1/2" Ø)	lh	1		
	40 mmØ EMT Elbow (1 1/2" Ø)	pc.	2		
	40 mmØ EMT Entrance Cap (1 1/2" Ø)	pc.	1		
	40 mmØ EMT Coupling (1 1/2" Ø)	pc.	4		

40 mmØ EMT Connector (1 1/2" Ø)	pc.	5
30 mm² THHN-2 wire	mtr.	12
100 AT CB, NEMA 3R frame	set	1
C- Clamp 40mmØ metal	pc.	15
C Purlins 2 x 4 (cable trunk)	pc.	16
Concrete Pedestal for Meter Base	lot	1
Consumables (3% of Material Cost)	lot	1.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

**E. CONSTRUCTION OF WEIGHBRIDGE**

Item No./Description : **803(1)a** Structure Excavation, Common Soil  
Unit of Measurement : **51.53** cu.m

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	56.00		
	-Skilled Workers	3.00	56.00		
	-Unskilled Workers	3.00	56.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Sub - Total for B				-

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Sub - Total for D				

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **900(1)c1** Structural Concrete Class A @ 28 Days  
Unit of Measurement : **16.23** cu.m.

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	168.00		
	-Skilled Workers	6.00	168.00		
	-Unskilled Workers	8.00	168.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	One Bagger Mixer	1.00	168.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Portland Cement	bags	153.00		
	Sand	cu.m.	9.00		
	Gravel	cu.m.	18.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description	: 902(1)a	Reinforcing Steel (Deformed), Grade 40			
Unit of Measurement	: 1,305.36	kg			
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	144.00		
	-Skilled Workers	4.00	144.00		
	-Unskilled Workers	4.00	144.00		
	Sub - Total for A				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Bar Cutter	1.00	72.00		
	Bar Bender	1.00	72.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	16mmØ Def. Bar	lh	12.00		
	12mmØ Def. Bar	lh	36.00		
	10mmØ Def. Bar	lh	97.00		
	Tie Wire #16	kg	60.00		
	20mmØ Def. Bar	lh	40.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description	: 903(2)	Formworks and Falseworks			
Unit of Measurement	: 58.62	sq.m.			
	Designation			Hourly Rate	Amount

		No. of person	No. of Hours		
<b>A</b>	Labor:				
	-Construction Foreman	1.00	144.00		
	-Skilled Workers	2.00	144.00		
	-Unskilled Workers	4.00	144.00		
	Sub - Total for A				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	3/4" thick Phenolic Board	sh	25.00		
	2"x3"x8' Coco Lumber	lh	200.00		
	Assorted Nails	kg	20.00		
	2"x6"x1.5mm C Purlins (formworks)	le	10.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00% of E			
<b>H</b>	Non Civil Works	0.00% of E			
<b>I</b>	Contractors Profit (CP)	8.00% of E			
<b>J</b>	Value Added Tax (VAT)	5.00% of E+G+H+I			
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description		: 1047(1)	Structural Steel		
Unit of Measurement		: 1.00	L.s.		
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	64.00		
	-Skilled Workers	4.00	64.00		
	-Unskilled Workers	2.00	64.00		
	Sub - Total for A				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Welding Machine	1.00	48.00		
	Minor Tools (10% of Labor Cost)				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	2"x2"x6mm Angle Bar	lh	6.00		
	12mm thick BI Plate	sh	1.00		
	10mmØ Def. Bar	lh	4.00		
	M10x100 Expansion Bolt	pcs	24.00		
	Welding Rod	kg	15.00		
	Cutting Disc	pcs	48.00		
	Grinding Disc	pcs	10.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00% of E			
<b>H</b>	Non Civil Works	0.00% of E			
<b>I</b>	Contractors Profit (CP)	8.00% of E			

<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description	: <b>PART D Electrical</b>				
Unit of Measurement	: <b>1.00 L.s.</b>				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	56.00		
	-Skilled Workers	2.00	56.00		
	-Unskilled Workers	2.00	56.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Main Board (NEMA-1) 10 Branch				
	Main Protection: 60 AT MCB ,2P Plug-in Type	set	1.00		
	Branches: 3 - 20 AT CB , 2P Bolt-on, 10KAIC				
	2 - 15 AT CB , 2P Bolt-on,10KAIC				
	3.5 mm² THHN-2 wire	roll	50.00		
	4"Ø Recessed Type Pin Light Frame	pcs.	1.00		
	9 Watts LED Bulb	pcs.	1.00		
	2 Gang Switch	pcs.	1.00		
	2 Gang Outlet	set	1.00		
	PVC Utility Box	set	2.00		
	PVC Junction Box	pcs.	2.00		
	20mmØ Flexible Hose	Meter	20.00		
	8.0 mm² THHN-2 wire	Meter	12.00		
	25mmØ EMT Pipe	L	1.00		
	25mmØ EMT Elbow	pc	1.00		
	25mmØ EMT Entrance Cap	Pc	1.00		
	25mmØ EMT Coupling	Pcs.	2.00		
	25mmØ EMT Connector	pcs.	2.00		
	Meter Base Round 100 Ampere 25mmØ	set	1.00		
	60 AT CB, NEMA 3R frame	set	1.00		
	Electrical Concrete Pedestal for Meter Base	lot	1.00		
	Consumables (3% of Material Cost)	lot	1.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description	: <b>1726 Weigh Bridge System</b>				
Unit of Measurement	: <b>1.00 L.s.</b>				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	192.00		
	-Skilled Workers	10.00	192.00		
	-Unskilled Workers	8.00	192.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>



**B** Equipment:

Sub - Total for B

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	<p>Materials:</p> <p><b>Weigh Bridge System Supply and Installation:</b></p> <p><b><u>Truck Scale:</u></b></p> <p><b>ONE UNIT</b> - Fully load cell pitless type truck scale, 10" concrete deck design complete with six (6) hermetically sealed, double-ended shear beam type load cells, junction box, with built-in surge voltage protection/lightning kit insulators for load cells, cables and locally fabricated weightbridge and structural steel, channels, bolts, etc. under the following features and specifications:</p> <p>Capacity : 60 tons gross  Platform Size : 15M x 3.31M concrete deck (50' x 11')</p> <p>No. of Sections : Three (3) sections  Sectional Capacity : Thirty five (35) tons  Load Cell Construction : Alloy Steel Potted, Hermitically Sealed</p> <p>Load Cell Capacity Each : 65,000 lbs. (65K) 31 tons  Overload Safety Factor : 100% (Load Cell Only)  Main Girder Dimensions : 21" x 8" x 62 lb.ft.  Cross Member Dimensions : 10" x 5" x 17 lb.ft.</p> <p>Above scale shall be equipped with the following:</p> <p><b><u>Digital Weight Indicator USA with Two (2) sets of Fabricated Traffic Light &amp; B.I. Pipe Stand:</u></b></p> <p><b>ONE UNIT</b> - Digital weight indicator, of stainless steel construction, LED Display, with memory storage capabilities, automatic zero tracking, etc. Unit is capable for future computer interface, included and diagnostics informal parameters for assistance is set-up and troubleshooting especially for load cells.</p> <p><b><u>Automatic Form Printer:</u></b> 1 UNIT</p> <p><b><u>Printing Technology</u></b> :</p> <p>Print Method : Impact dot matrix  Control Panel : 4 switches and 5 LEDs  Print Direction : Bi-direction with logic seeking</p> <p>Number of Pins in Head : 9 pins  Control Code : ESC/P and IBM PPDS emulation</p> <p>Number of Pins : 9</p> <p><b><u>Print Speed</u></b> :</p> <p>High Speed Draft : (10 / 12 / 15 cpi): 347 / 357 / 390 cps  (Condensed, 17 / 20 cpi): 383 / 298 cps</p> <p>Draft : (10 / 12 / 15 cpi): 260 / 312 / 223 cps  (Condensed, 17 / 20 cpi): 222 / 260 cps  (Emphasized, 10 cpi): 130 cps</p> <p>NLQ : (10 / 12 / 15 / 17 / 20 cpi): 65 / 78 / 55 / 47 / 56 cps</p> <p><b><u>Reliability</u></b> :</p> <p>Printhead Life : Approx. 400 million strokes/wire  Mean Print Volume Between Failure (MVBF) : Approx. 20 million lines (Except print head)</p>	lot	1.00		

<i>Mean Time Between Failure (MTBF)</i>	:	<i>Approx. 10,000 POH (25% Duty)</i>
<b>Paper Path</b>	:	
<i>Manual Insertion</i>	:	<i>Rear in, Top out</i>
	:	
<i>Push Tractor</i>	:	<i>Rear in, Top out</i>
<b>Supported OS and Applications</b>	:	<i>Microsoft® Windows® 2000 / XP / Vista / 7 / 8 / 8.1 / 10</i>
<b>Consumables</b>	:	
<i>Ribbon Cartridge Black</i>	:	<i>Ribbon Life: Approx. 4.0 million characters (Draft 10 cpi, 14 dots/character)</i>
<b>Environmental Conditions (Operating):</b>		
<i>Temperature</i>	:	<i>5 ~ 35°C</i>
<i>Humidity</i>	:	<i>10 ~ 80 % RH</i>
<b>Acoustic Noise</b>	:	<b>Approx. 53 dB(A) (ISO 7779 pattern)</b>
<b>Input Data Buffer</b>	:	<b>128KB</b>
<b>Interface</b>	:	
<i>Standard</i>	:	<i>Bi-directional parallel (IEEE-1284 nibble mode supported) USB 2.0 Full-Speed Serial</i>
<b>Ribbon Cartridge</b>	:	
<i>Standard</i>	:	<i>Fabric Ribbon Cartridge (Black) - C13S015632</i>
<i>Ribbon Life</i>	:	<i>Approx. 4.0 million characters (Draft 10 cpi, 14 dots/character)</i>

**Alpha-numeric Keyboard:**

**ONE UNIT** - Alpha-numeric keyboard to enter data for plate no. of trucks, identifications (ID's) commodity code/name, etc. to be printed on the scale tickets and other invoices.

**Uninterrupted Power Supply (UPS) / AVR KIT, Local:**

**ONE UNIT** - Uninterrupted power supply (UPS) and AVR, Servo type motor, 500 watts, with 15-30 minutes back-up time to protect the above indicator/printer for any voltage fluctuations, etc.

**Sections and Junction Box Assemblies each with Genuine Transient Kit/Board:**

**ONE SET** - Junction and section adjustment boards with fiber glass boxer for transient protector/lightning spikes. Transient kit includes gas discharge assembly.

**ONE SET - Standard software for reports of transactions per day/week/months, etc.:**

**Software Conditions:**

1. Modification of the Application's database Structure.
2. Unauthorized duplication or replication of the software/application.
3. User error or viruses that will cause the software to crash.
4. Hardware/software malfunction.

**ONE SET - Personal computer with the following specifications:**

	:	<i>Intel Core i5</i>
<i>Processor</i>	:	<i>Intel Supported with built-in Comm Port</i>
<i>Mother Board</i>	:	
<i>Video Card</i>	:	<i>Dedicated or Built-in to Motherboard</i>

Memory : 4GB DDR3  
 Hard Disk Drive : 500GB Hard Disk Drive  
 Optical Drive : DVDVRW Drive  
 Monitor : 15.6" LED Monitor,  
 Keryboard and Mouse,  
 AVR 500W

**WARRANTY:**

**Indicator, Printer - ONE (1) year** againts factory defects, faulty workmanship, except force majeure, acts of God, and caused by welding jobs, etc. from the date of delivery.

**Load Cells - TWO (2) years** againts factory defects, faulty workmanship, except force majeure, acts of God, and caused by welding jobs, etc. from the date of delivery.

**Local Fbrication - FIVE (5) years** subject to misuse of scale beyond the control of supplier from the date of delivery, etc.

**SERVICE GUARANTEE:**

**TWELVE (12) months** from the date of turn-over of scale/acceptance.

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		

Item No./Description : **1032(1)a Painting Works**  
 Unit of Measurement : **75.41 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	56.00		
	-Skilled Workers	4.00	56.00		
	-Unskilled Workers	2.00	56.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					

**C** Total (A +B) P0.0

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Skim Coat	bags	2.00		
	Primet (Flat Latex )	gal	4.00		
	Putty	gal	2.00		
	Top Coat (gloss latex)	gal	2.00		
	Red Oxide Primer	gal	2.00		
	Enamel Paint	gal	2.00		
	Paint Tray	pcs	5.00		
	Paint Roller	pcs	5.00		
	Paint Thinner	gal	4.00		
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	

H	Non Civil Works	0.00%	of E
I	Contractors Profit (CP)	8.00%	of E
J	Value Added Tax (VAT)	5.00%	of E+G+H+I
K	Total Adjusted Cost	E+G+H+I+J	
L	Adjusted Unit Cost	K ÷ Unit of measurement	

#### F. CONSTRUCTION OF HAZARDOUS VAULT

Item No./Description : **803(1)a** Structure Excavation (Common Soil)  
Unit of Measurement : **7.20** cu.m

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	16.00		
	-Skilled Workers	2.00	16.00		
	-Unskilled Workers	2.00	16.00		
	Sub - Total for A				
	Name and Capacity	No. of Units	No. of Hours		
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		

Item No./Description : **900(2)c** Structural Concrete, Class B @ 28 Days  
Unit of Measurement : **21.78** cu.m.

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	6.00	32.00		
	-Unskilled Workers	8.00	32.00		
	Sub - Total for A				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	One Bagger Mixer	1.00	32.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Portland Cement	bags	206.00		
	Sand	cu.m.	12.00		

Gravel G-3/4"

cu.m.

24.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **902(1)a Reinforcing Steel (Grade 40)**  
Unit of Measurement : **1,733.72 kg**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	48.00		
	-Skilled Workers	4.00	48.00		
	-Unskilled Workers	4.00	48.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Bar Cutter	1.00	24.00		
	Bar Bender	1.00	24.00		
Sub - Total for B					

<b>C Total (A +B)</b>					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	12mmØ Def. Bar	lh	191.00		
	10mmØ Def. Bar	lh	113.00		
	Tie Wire #16	kg	52.00		
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **903(2) Formworks and Falseworks**  
Unit of Measurement : **142.28 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	56.00		
	-Skilled Workers	4.00	56.00		
	-Unskilled Workers	4.00	56.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	GI Pipe Scaffolding (rental)	lot	1.00		
Sub - Total for B					

<b>C Total (A +B)</b>					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount

<b>D</b>	Materials: 3/4" thick Phenolic Board	sht	30.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%		of E	
<b>H</b>	Non Civil Works	0.00%		of E	
<b>I</b>	Contractors Profit (CP)	8.00%		of E	
<b>J</b>	Value Added Tax (VAT)	5.00%		of E+G+H+I	
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost			K ÷ Unit of measurement	
Item No./Description	: 1006(6)	<b>Steel Doors and Frames</b>			
Unit of Measurement	: 1.00	L.s.			
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	2.00	24.00		
	-Unskilled Workers	2.00	24.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	2.15mx1.9m Steel Door and Frame, complete with lockset and accessories	sq.m.	4.09		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%		of E	
<b>H</b>	Non Civil Works	0.00%		of E	
<b>I</b>	Contractors Profit (CP)	8.00%		of E	
<b>J</b>	Value Added Tax (VAT)	5.00%		of E+G+H+I	
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost			K ÷ Unit of measurement	
Item No./Description	: 1046(2)a2	<b>CHB Non Load Bearing (inc. reinforcing steel), 100mm</b>			
Unit of Measurement	: 82.20	sq.m.			
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	40.00		
	-Skilled Workers	4.00	40.00		
	-Unskilled Workers	4.00	40.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				

4" CHB Ordinary	pcs	1,079.00
Portland Cement	bags	46.00
Sand	cu.m.	4.00
10mmØ Def. Bar	kg	64.00
Tie Wire #16	kg	2.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **1027(1) Cement Plaster Finish**  
Unit of Measurement : **164.40 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	88.00		
	-Skilled Workers	4.00	88.00		
	-Unskilled Workers	2.00	88.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
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**B** Equipment:  
Sub - Total for B

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Portland Cement	bags	78.00		
	Sand	cu.m.	4.00		
	Sub - Total for D				

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **1032(1)a Painting Works (Masonry/Concrete)**  
Unit of Measurement : **129.12 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	16.00		
	-Skilled Workers	4.00	16.00		
	-Unskilled Workers	2.00	16.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
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**B** Equipment:  
Minor Tools (10% of Labor Cost)

Sub - Total for B

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Skim Coat	bag	7.00		

Flat Latex Paint	gal	7.00
Semi Gloss Latex Paint	gal	7.00
Gloss Latex Paint	gal	6.00
Consumables (3% of Material Cost)	lot	1.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

**G. CONSTRUCTION OF SANITARY LANDFILL**

Item No./Description : **103(1)a STRUCTURE EXCAVATION (COMMON SOIL)**  
Unit of Measurement : **80,495.84 cu.m**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	1000.00		
	-Skilled Workers	3.00	1000.00		
	-Unskilled Workers	5.00	1000.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Excavator (0.80 cu.m.)	4.00	1000.00		
	Dumptruck (10-11 cu.m.)	8.00	1000.00		
Sub - Total for B					

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **104(1)a EMBANKMENT**  
Unit of Measurement : **6,171.74 cu.m**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	320.00		
	-Skilled Workers	5.00	320.00		
	-Unskilled Workers	5.00	320.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Motorized Road Grader (140Hp/G710A)	1.00	320.00		



	Road Roller, Vibratory (10mt/125Hp)	1.00	320.00		
	Water Truck	1.00	80.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>105(1) SUBGRADE PREPARATION</b>					
Unit of Measurement : <b>12,768.54</b> sq.m.					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	48.00		
	-Skilled Workers	5.00	48.00		
	-Unskilled Workers	5.00	48.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Motorized Road Grader (140Hp/G710A)	1.00	48.00		
	Road Roller, Vibratory (10mt/125Hp)	1.00	88.00		
	Water Truck	1.00	28.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>715(1) GEOTEXTILE</b>					
Unit of Measurement : <b>14,056.80</b> sq.m.					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	360.00		
	-Skilled Workers	8.00	360.00		
	-Unskilled Workers	10.00	360.00		
	Sub - Total for A				
	<b>Name and Capacity</b>			<b>Hourly Rate</b>	<b>Amount</b>

		No. of Units	No. of Hours		
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Geosynthetic Clay Liner (GCL)	sq.m.	14,056.80		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost			K ÷ Unit of measurement	
Item No./Description	: SPL-1	<b>HDPE LINER 1.5MM THICK</b>			
Unit of Measurement	: 14,056.80	sq.m.			
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	400.00		
	-Skilled Workers	8.00	400.00		
	-Unskilled Workers	15.00	400.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Extruder Machine	2.00	400.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	1.5mm thick HDPE Liner	sq.m.	14,056.80		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost			K ÷ Unit of measurement	
Item No./Description	: SPL-2	<b>SAND FILTER</b>			
Unit of Measurement	: 1,000.00	cu.m.			
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	120.00		
	-Skilled Workers	10.00	120.00		
	-Unskilled Workers	10.00	120.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Excavator (0.80 cu.m.)	1.00	120.00		
	Dumptruck (10-11 cu.m.)	2.00	120.00		

Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials: Washed Sand	cu.m.	1000.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>804 (4) GRAVEL FILL</b>					
Unit of Measurement : <b>390.00 cu.m.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	40.00		
	-Skilled Workers	10.00	40.00		
	-Unskilled Workers	10.00	40.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Excavator (0.80 cu.m.)	1.00	40.00		
	Dumptruck (10-11 cu.m.)	2.00	40.00		
Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials: Gravel Bedding	cu.m.	390.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>1001(1)c5 PIPES AND FITTINGS (8" HDPE)</b>					
Unit of Measurement : <b>720.00 mtr.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	160.00		
	-Skilled Workers	6.00	160.00		
	-Unskilled Workers	8.00	160.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				

8" dia. x 6 mtr. HDPE Pipe	lh	120.00
Fittings	lot	1.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **1710(2)a GROUTED RIPRAP (Line Canal)**  
Unit of Measurement : **262.60 cu.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	240.00		
	-Skilled Workers	12.00	240.00		
	-Unskilled Workers	10.00	240.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Cement	bags	900.00		
	Head Size Boulders	cu.m.	260.00		
	Sand	cu.m.	130.00		
	Gravel Bedding	cu.m.	30.00		
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **SPL-4 ACCESS RAMP**  
Unit of Measurement : **5.00 units**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	80.00		
	-Skilled Workers	6.00	80.00		
	-Unskilled Workers	8.00	80.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					

**C** Total (A +B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Ready Mixed Concrete (3500 psi)	cu.m	30.00		
	RCP, 0.6m dia	pcs	45.00		
	Cement	bags	20.00		

Washed Sand cu.m 4.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **SPL-5 GAS VENTS**  
 Unit of Measurement : **6.00 units**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	64.00		
	-Skilled Workers	6.00	64.00		
	-Unskilled Workers	8.00	64.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	One Bagger Mixer	1.00	64.00		
	Sub - Total for B				

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Portland Cement	bags	300.00		
	Washed Sand	cu.m	15.00		
	Crushed Gravel	pcs	30.00		
	6" HDPE Pipe	lengths	6.00		
	10mm dia DRB	lengths	65.00		
	Tie Wire	kg	10.00		
	Sub - Total for D				

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **SPL-6 HDPE LINE CANAL**  
 Unit of Measurement : **396.00 lin.m**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	64.00		
	-Skilled Workers	6.00	64.00		
	-Unskilled Workers	8.00	64.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Sub - Total for B				

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	HDPE Liner Canal	lin.m	396.00		

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		

**H. CONSTRUCTION OF WASHBAY**

Item No./Description : **803(1)a** **Structure Excavation, Common Soil**  
 Unit of Measurement : **12.00** cu.m.

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	2.00	32.00		
	-Unskilled Workers	2.00	32.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Sub - Total for B				

**C** Total (A + B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Sub - Total for D				

<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		

Item No./Description : **900(1)c1** **Structural Concrete Class A @ 28 Days**  
 Unit of Measurement : **20.52** cu.m.

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	48.00		
	-Skilled Workers	4.00	48.00		
	-Unskilled Workers	4.00	48.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	One Bagger Mixer	1.00	48.00		

Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b> Materials:					
	Portland Cement	bags	194.00		
	Sand	cu.m.	11.00		
	Gravel	cu.m.	23.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)			10.00%	of E
<b>H</b>	Non Civil Works			0.00%	of E
<b>I</b>	Contractors Profit (CP)			8.00%	of E
<b>J</b>	Value Added Tax (VAT)			5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost			K ÷ Unit of measurement	
Item No./Description : <b>902(1)a Reinforcing Steel (Deformed), Grade 40</b>					
Unit of Measurement : <b>2,192.66 kg</b>					
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b> Labor:					
	-Construction Foreman	1.00	56.00		
	-Skilled Workers	4.00	56.00		
	-Unskilled Workers	4.00	56.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b> Equipment:					
	Bar Cutter	1.00	28.00		
	Bar Bender	1.00	28.00		
Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b> Materials:					
	12mmØ Def. Bar	lh	90.00		
	10mmØ Def. Bar	lh	294.00		
	Tie Wire #16	kg	66.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)			10.00%	of E
<b>H</b>	Non Civil Works			0.00%	of E
<b>I</b>	Contractors Profit (CP)			8.00%	of E
<b>J</b>	Value Added Tax (VAT)			5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	

<b>L</b>	Adjusted Unit Cost					$K \div \text{Unit of measurement}$
Item No./Description	: 903(2)	<b>Formworks and Falseworks</b>				
Unit of Measurement	: 24.00	sq.m.				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>	
<b>A</b>	Labor:					
	-Construction Foreman	1.00	16.00			
	-Skilled Workers	4.00	16.00			
	-Unskilled Workers	4.00	16.00			
	Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>	
<b>B</b>	Equipment:					
	GI Pipe Scaffolding (rental)	lot	1.00			
	Sub - Total for B					
<b>C</b>	Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>	
<b>D</b>	Materials:					
	3/4" thick Phenolic Board	sht	9.00			
	Sub - Total for D					
<b>E</b>	Estimated Direct Cost		$C + D$			
<b>F</b>	Unit Cost		$E \div \text{Unit of measurement}$			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E		
<b>H</b>	Non Civil Works		0.00%	of E		
<b>I</b>	Contractors Profit (CP)		8.00%	of E		
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost		$E+G+H+I+J$			
<b>L</b>	Adjusted Unit Cost		$K \div \text{Unit of measurement}$			
Item No./Description	: 1001(1)a7	<b>Pipes and Fittings, 100mm dia. PVC Series 1000</b>				
Unit of Measurement	: 1.00	L.s.				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>	
<b>A</b>	Labor:					
	-Construction Foreman	1.00	24.00			
	-Skilled Workers	2.00	24.00			
	-Unskilled Workers	2.00	24.00			
	Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>	
<b>B</b>	Equipment:					
	Sub - Total for B					
<b>C</b>	Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>	
<b>D</b>	Materials:					
	4" PVC Pipe Series 1000	lh	12.00			
	Solvent Cement	can	5.00			



4" PVC 90 degree Elbow

pcs

30.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		

Item No./Description : **1014(1)b2** **Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.**  
 Unit of Measurement : **162.00** **sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	2.00	32.00		
	-Unskilled Workers	2.00	32.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					

<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Pre-painted Metal Sheet Gauge 26 Long Span	sq.m.	162.00		
	Pre-painted Ridge Roll, Ga. 24 (0.701 mm) x 2.44m	ln.m.	7.00		
	Consumables (3% of Material Cost)	lot	1.00		
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		

Item No./Description : **1047(1)** **Structural Steel (Post & Roof Framing Works)**  
 Unit of Measurement : **1.00** **L.s.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	56.00		
	-Skilled Workers	2.00	56.00		
	-Unskilled Workers	2.00	56.00		
Sub - Total for A					
	Name and Capacity		No. of Hours	Hourly Rate	Amount

		No. of Units			
<b>B</b>	Equipment:				
	Welding Machine	1.00	42.00		
	Minor Tools (10% of Labor Cost)				
Sub - Total for B					
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	6" BI Pipe Column Sch 40	lh	10.00		
	1 1/2"x1 1/2" x 6mm Angle Bar	lh	65.00		
	2"x4"x2mm C Purlins	lh	55.00		
	12mm Plain round bar	lh	21.00		
	12mm Turnbuckle	pcs	10.00		
	16mm thk. Steel Plate	kg	90.43		
	1/2" Anchor Bolt	pcs	40.00		
	Welding Rod	kg	50.00		
	Metal Epoxy (Gray)	gal	6.00		
	Consumables (3% of Material Cost)	lot	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>PART D Electrical</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	168.00		
	-Skilled Workers	1.00	168.00		
	-Unskilled Workers	2.00	168.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
Sub - Total for B					
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Main Board (NEMA-1) 10 Branch	set	1.00		
	Main Protection: 75 AT MCCB ,2P Bolt-on				

Branches: 2 - 30 AT CB,2P Bolt-on,10KAIC  
 6 - 20 AT CB , 2P Bolt-on,  
 10KAIC  
 2 - 15 AT CB , 2P Bolt-  
 on,10KAIC

22 mm <sup>2</sup> THHN-2 wire	mtrs.	12.00
3.5 mm <sup>2</sup> THHN-2 wire	roll	1.00
5.5 mm <sup>2</sup> THHN-2 wire	roll	1.00
16 Watts T8 LED LightTube with Frame	set	8.00
2 Gang Switch (water Proof)	pcs.	4.00
Box Switch	pcs.	6.00
2 Gang Outlet with Cover Plate (water Proof)	pcs.	2.00
25 mm Ø PVC Pipe (3/4)	length	5.00
20 mm Ø PVC Pipe (1/2)	length	15.00
20 mm Ø Flexible Hose (1/2)	mtrs.	100.00
PVC Junction Box	pcs.	8.00
Metal Pull box (152mm x152mm x 101mm) Ga. #16	pcs.	2.00
32mmØ EMT Elbow	pc	2.00
32 mmØ EMT Entrance Cap	Pc	1.00
32 mmØ EMT Coupling	Pcs.	4.00
32 mmØ EMT Connector	pcs.	4.00
Meter Base square 150 Ampere 32mmØ	set	1.00
75 AT CB, NEMA 3R frame 32mmØ	set	1.00
C Purlins 2 x 4	pc.	10.00
Concrete Pedestal for Meter Base	lot	1.00
Consumables (3% of Material Cost)	lot	1.00

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		

**I. CONSTRUCTION OF LT POND**

Item No./Description : 103(1)a Structure Excavation (Common Soil)  
 Unit of Measurement : 1,998.00 cu.m

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	64.00		
	-Skilled Workers	6.00	64.00		
	-Unskilled Workers	4.00	64.00		
	Sub - Total for A				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Excavator (0.80 cu.m.)	2.00	64.00		
	Dumptruck (10-11 cu.m.)	4.00	64.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount

<b>D</b> Materials:					
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>105(1) SUBGRADE PREPARATION</b>					
Unit of Measurement : <b>1,091.28 sq.m.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	5.00	24.00		
	-Unskilled Workers	5.00	24.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Motorized Road Grader (140Hp/G710A)	1.00	12.00		
	Road Roller, Vibratory (10mt/125Hp)	1.00	16.00		
	Water Truck	1.00	4.00		
Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b> Materials:					
Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>715(1) GEOTEXTILE</b>					
Unit of Measurement : <b>1,091.28 sq.m</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	120.00		
	-Skilled Workers	8.00	120.00		
	-Unskilled Workers	10.00	120.00		
Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
Sub - Total for B					
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>

D Materials:  
Geosynthetic Clay Liner (GCL) sq.m. 1,091.28

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **SPL-1 HDPE LINER 1.5MM THICK**  
Unit of Measurement : **1,091.28 sq.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	120.00		
	-Skilled Workers	8.00	120.00		
	-Unskilled Workers	15.00	120.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment: Extruder Machine	1.00	120.00		
Sub - Total for B					

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials: 1.5mm thick HDPE Liner	sq.m.	1,091.28		
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **1001(1)c5 PIPES AND FITTINGS (8" HDPE)**  
Unit of Measurement : **24.00 mtr.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	16.00		
	-Skilled Workers	4.00	16.00		
	-Unskilled Workers	6.00	16.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials: 8" dia. x 6 mtr. HDPE Pipe	lh	4.00		
	Fittings	lot	1.00		

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

**J. CONSTRUCTION OF LT PLANT**

Item No./Description : **803(1)a**      **Structure Excavation, Common Soil**  
 Unit of Measurement : **530.40**      cu.m

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	40.00		
	-Skilled Workers	4.00	40.00		
	-Unskilled Workers	4.00	40.00		

Sub - Total for A

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Excavator (0.80 cu.m.)	1.00	7.00		
	Dumptruck (10-11 cu.m.)	2.00	3.50		

Sub - Total for B

**C**      Total (A + B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
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**D**      Materials:

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **804(4)**      **Gravel Fill Bedding**  
 Unit of Measurement : **19.20**      cu.m.

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	40.00		
	-Skilled Workers	2.00	40.00		
	-Unskilled Workers	4.00	40.00		

Sub - Total for A

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Plate Compactor	1.00	40.00		

Sub - Total for B

**C**      Total (A + B)

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
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**D**      Materials:

Gravel G-1

cu.m.

21.22

Sub - Total for D

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **902(1)a Reinforcing Steel (Deformed), Grade 40**  
Unit of Measurement : **8,025.22 kg**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	72.00		
	-Skilled Workers	10.00	72.00		
	-Unskilled Workers	12.00	72.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Bar Cutter	1.00	36.00		
	Bar Bender	1.00	36.00		
Sub - Total for B					

<b>C</b> Total (A + B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	12mmØ Def. Bar	kg	8,025.22		
	Tie Wire #16	kg	241.00		
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E
<b>H</b>	Non Civil Works	0.00%	of E
<b>I</b>	Contractors Profit (CP)	8.00%	of E
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **405(1)b2 Structural Concrete Class A, 27.58 Mpa @ 14 Days**  
Unit of Measurement : **89.73 cu.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	112.00		
	-Skilled Workers	14.00	112.00		
	-Unskilled Workers	15.00	112.00		
Sub - Total for A					

	Name and Capacity	No. of Units	No. of Days	Hourly Rate	Amount
<b>B</b>	Equipment:				
Sub - Total for B					

<b>C</b> Total (A + B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Ready Mix Concrete 4000 Psi @ 14 Days	cu.m.	89.73		
Sub - Total for D					

<b>E</b>	Estimated Direct Cost	C + D	
<b>F</b>	Unit Cost	E ÷ Unit of measurement	

<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>903(2) Formworks and Falseworks</b>					
Unit of Measurement : <b>292.20 sq.m.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	240.00		
	-Skilled Workers	6.00	240.00		
	-Unskilled Workers	8.00	240.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rental</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	GI Pipe Scaffolding (rental)	lot	1.00		
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	3/4" thick Phenolic Board	sht	100.00		
	2"x2"x8' Coco Lumber	lh	800.00		
	CWN Assorted	kg	50.00		
	Waterstop	lot	1.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>1001(1)a7 Pipes and Fittings, 100mm dia. PVC Series 1000</b>					
Unit of Measurement : <b>30.00 mtr.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	2.00	32.00		
	-Unskilled Workers	2.00	32.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	4" PVC Pipe Series 1000	lh	10.00		
	4" PVC Elbow 90deg	pcs	15.00		
	Solvent Cement	qrt	10.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		



I	Contractors Profit (CP)	8.00%	of E		
J	Value Added Tax (VAT)	5.00%	of E+G+H+I		
K	Total Adjusted Cost	E+G+H+I+J			
L	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description		: 1003(1)a1	Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)		
Unit of Measurement		: 3.30	sq.m.		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	16.00		
	-Skilled Workers	2.00	16.00		
	-Unskilled Workers	1.00	16.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	4.5mm Fiber Cement Board	sh	2.00		
	Metal Furring	lh	6.00		
	Carrying Channel	lh	2.00		
	Hanger Rod	pcs	6.00		
	Channel Clip	pcs	30.00		
	Wall Angle	lh	2.00		
	Rivets	box	1.00		
	Metal Screw	pcs	30.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description		: 1013(1)	Corrugated Metal Roofing Gauge 26		
Unit of Measurement		: 22.50	sq.m.		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	16.00		
	-Skilled Workers	2.00	16.00		
	-Unskilled Workers	2.00	16.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Corrugated GI Sheets, 0.427mm	sh	15.00		
	J Bolt with washer	lh	100.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		

<b>K</b>	Total Adjusted Cost					E+G+H+I+J
<b>L</b>	Adjusted Unit Cost					K ÷ Unit of measurement
Item No./Description	: 1016(1)a	Waterproofing, Cement-based				
Unit of Measurement	: 821.80	sq.m.				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>	
<b>A</b>	Labor:					
	-Construction Foreman	1.00	240.00			
	-Skilled Workers	4.00	240.00			
	-Unskilled Workers	4.00	240.00			
	Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>	
<b>B</b>	Equipment:					
	Sub - Total for B					
<b>C</b>	Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>	
<b>D</b>	Materials:					
	Cementitious Waterproofing	gal	85.00			
	Consumables (3%)	lot	1.00			
	Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D				
<b>F</b>	Unit Cost	E ÷ Unit of measurement				
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%		of E		
<b>H</b>	Non Civil Works	0.00%		of E		
<b>I</b>	Contractors Profit (CP)	8.00%		of E		
<b>J</b>	Value Added Tax (VAT)	5.00%		of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J				
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement				
Item No./Description	: 1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 100mm				
Unit of Measurement	: 22.20	sq.m.				
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>	
<b>A</b>	Labor:					
	-Construction Foreman	1.00	48.00			
	-Skilled Workers	2.00	48.00			
	-Unskilled Workers	3.00	48.00			
	Sub - Total for A					
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>	
<b>B</b>	Equipment:					
	Sub - Total for B					
<b>C</b>	Total (A +B)					
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>	
<b>D</b>	Materials:					
	4" CHB	pcs	291.00			
	Portland Cement	bags	13.00			
	Sand	cu.m.	1.00			
	10mmØ Def. Bar	lh	17.00			
	Tie Wire #16	kg	1.00			
	Sub - Total for D					
<b>E</b>	Estimated Direct Cost	C + D				

<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description		: 1003(2)a1	4.5mm thk Ficem Board Wall on Metal Frame		
Unit of Measurement		: 22.20	sq.m.		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	48.00		
	-Skilled Workers	2.00	48.00		
	-Unskilled Workers	3.00	48.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	4.5mm thk Ficem Board	sht	20.00		
	Metal Furring	lh	20.00		
	Carrying Channel	lh	9.00		
	Rivets	box	2.00		
	Metal Screw	pcs	110.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description		: 1032(1)a	Painting Works, Masonry/Concrete		
Unit of Measurement		: 45.10	sq.m.		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	32.00		
	-Skilled Workers	2.00	32.00		
	-Unskilled Workers	2.00	32.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Flat Latex Paint	gal	4.00		
	Semi Gloss Latex Paint	gal	2.00		
	Gloss Latex Paint	gal	4.00		
	Consumables (3% of Material Cost)	lot	1.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			

<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>1047(8) Structural Steel (Post &amp; Roof Framing)</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	40.00		
	-Skilled Workers	2.00	40.00		
	-Unskilled Workers	4.00	40.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Welding Machine	1.00	30.00		
	Minor Tools (10% of Labor Cost)				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	1 1/2" x 1 1/2" x 6mm angle Bar	lh	4.00		
	2"x4"x1.5mm C Purlins	lh	10.00		
	Consumables (3% of Material Cost)	lot	1.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description : <b>1010 Doors and Windows for Control Room</b>					
Unit of Measurement : <b>1.00 L.s.</b>					
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	2.00	24.00		
	-Unskilled Workers	2.00	24.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	Total (A +B)				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Luover Window	lot	1.00		
	2.1mx0.9m Flush Door Wooden	set	1.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		

<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		
Item No./Description	: <b>PART D</b>	<b>Electrical</b>		
Unit of Measurement	: <b>1.00</b>	L.s.		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>A</b>	Labor:			
	-Construction Foreman	1.00	56.00	
	-Skilled Workers	2.00	56.00	
	-Unskilled Workers	2.00	56.00	
	Sub - Total for A			
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>B</b>	Equipment:			
	Sub - Total for B			
<b>C</b>	Total (A +B)			
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>
<b>D</b>	Materials:			
	Main Board (NEMA-1) 6 Branch			
	Main Protection: 250 AT MCCB ,2P Bolt-on			
	Branches:			
	1 - 30 AT CB,2P Bolt-on,10KAIC	set	1.00	
	4 - 20 AT CB , 2P Bolt-on, 10KAIC			
	1 - 15 AT CB , 2P Bolt-on,10KAIC			
	125 mm <sup>2</sup> THHN-2 wire	mts.	18.00	
	8.0 mm <sup>2</sup> THHN-2 wire	mts.	6.00	
	3.5 mm <sup>2</sup> THHN-2 wire	mts.	50.00	
	9 Watts LED Bulb	pcs.	1.00	
	4" Ø RECEPTACLES	pc.	1.00	
	16 WATTS T8 LED TUBE LIGHTS W/ FRAME	pc.	1.00	
	1 Gang Switch	set	2.00	
	2 Gang Outlet	set	1.00	
	PVC Utility Box	set	3.00	
	PVC Junction Box	pcs.	2.00	
	20mmØ Flexible Hose	Meter	20.00	
	2" Ø EMT Pipe	L	1.00	
	2" Ø EMT Elbow	pc	1.00	
	2" Ø EMT Entrance Cap	Pc	1.00	
	2" Ø EMT Coupling	Pcs.	2.00	
	2" Ø EMT Connector	pcs.	2.00	
	Electrical Pedestal	lot	1.00	
	Consumables (3% of Material Cost)	lot	1.00	
	Sub - Total for D			
<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		
Item No./Description	: <b>1726</b>	<b>Wastewater Treatment Plant</b>		
Unit of Measurement	: <b>1.00</b>	L.s.		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>A</b>	Labor:			
	-Construction Foreman	1.00	360.00	
	-Skilled Workers	20.00	360.00	
	-Unskilled Workers	20.00	360.00	
	Sub - Total for A			
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>
<b>B</b>	Equipment:			

Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials: Electromechanical, Electrical and Plumbing Works necessary for the function of Leachate Treatment Plant 1 unit - ROOT BLOWER 1 1 unit - ROOT BLOWER 2 1 unit - HOLDING TANK PUMP 1 unit - FEED PUMP 1 unit - DECANT PUMP 1 unit - Filter Pump 1 unit - SLUDGE Pump 1 unit - Pac Dosing Pump 1 unit - Pam Dosing Pump 1 unit - Chlorine Dosing Pump 1 unit - Chemical Mixer-Pac(1.15A) 1 unit - Chemical Mixer-Pam(1.15A) 1 unit - Ozone Generator 1 unit - MCC				
		lot	1.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		

<b>K. CONCRETING OF ACCESS ROAD</b>					
Item No./Description	:	<b>102(1)a</b>	<b>SURPLUS COMMON EXCAVATION</b>		
Unit of Measurement	:	<b>500.00</b>	cu.m		
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	3.00	24.00		
	-Unskilled Workers	5.00	24.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Days	Daily Rate	Amount
<b>B</b>	Equipment:				
	Excavator (0.80 cu.m.)	1.00	24.00		
	Dumptruck (10-11 cu.m.)	1.00	24.00		
Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		

Item No./Description	:	<b>103(1)a</b>	<b>STRUCTURE EXCAVATION (COMMON SOIL)</b>			
Unit of Measurement	:	<b>372.96</b>	cu.m			
		<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:					
		-Construction Foreman	1.00	28.00		
		-Skilled Workers	3.00	28.00		
		-Unskilled Workers	5.00	28.00		
	Sub - Total for A					
		<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Days</b>	<b>Daily Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:					
		Excavator (0.80 cu.m.)	1.00	28.00		
		Dumptruck (10-11 cu.m.)	1.00	28.00		
	Sub - Total for B					
<b>C</b>	Total (A +B)					
		<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:					
	Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D			
<b>F</b>	Unit Cost		E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E		
<b>H</b>	Non Civil Works		0.00%	of E		
<b>I</b>	Contractors Profit (CP)		8.00%	of E		
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost		E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement			
Item No./Description	:	<b>104(1)a</b>	<b>EMBANKMENT</b>			
Unit of Measurement	:	<b>2,880.00</b>	cu.m			
		<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:					
		-Construction Foreman	1.00	136.00		
		-Skilled Workers	5.00	136.00		
		-Unskilled Workers	5.00	136.00		
	Sub - Total for A					
		<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Days</b>	<b>Daily Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:					
		Motorized Road Grader (140Hp/G710A)	1.00	136.00		
		Road Roller, Vibratory (10mt/125Hp)	1.00	136.00		
		Water Truck	1.00	136.00		
	Sub - Total for B					
<b>C</b>	Total (A +B)					
		<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:					
	Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D			
<b>F</b>	Unit Cost		E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E		
<b>H</b>	Non Civil Works		0.00%	of E		
<b>I</b>	Contractors Profit (CP)		8.00%	of E		

<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I
<b>K</b>	Total Adjusted Cost	E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement	

Item No./Description : **105(1) SUBGRADE PREPARATION**  
Unit of Measurement : **3,648.20** sq.m.

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	16.00		
	-Skilled Workers	3.00	16.00		
	-Unskilled Workers	5.00	16.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Days	Daily Rate	Amount
<b>B</b>	Equipment:				
	Motorized Road Grader (140Hp/G710A)	1.00	16.00		
	Road Roller, Vibratory (10mt/125Hp)	1.00	16.00		
	Water Truck	1.00	16.00		
	Sub - Total for B				

<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount

<b>D</b>	Materials:				
	Sub - Total for D				

<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		

Item No./Description : **200 AGGREGATE SUBBASE COURSE**  
Unit of Measurement : **347.62** cu.m

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	3.00	24.00		
	-Unskilled Workers	5.00	24.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Days	Daily Rate	Amount
<b>B</b>	Equipment:				
	Motorized Road Grader (140Hp/G710A)	1.00	24.00		
	Road Roller, Vibratory (10mt/125Hp)	1.00	24.00		
	Water Truck	1.00	24.00		
	Sub - Total for B				

<b>C</b>	Total (A +B)				
	Name and Capacity	Unit	Quantity	Unit Cost	Amount

<b>D</b>	Materials:				
	Aggregate Subbase Course Materials	cu.m	399.76		
	Sub - Total for D				



<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description		: 311(1)b1	<b>PORTLAND CEMENT CONCRETE PAVEMENT (Unreinforced), 0.20m Thk, 3500psi @ 14 days</b>		
Unit of Measurement		: 1,032.00	sq.m		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	96.00		
	-Skilled Workers	8.00	96.00		
	-Unskilled Workers	15.00	96.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Concrete Vibrator	1.00	16.00		
	Water Truck	1.00	16.00		
	Sub - Total for B				
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>D</b>	Materials:				
	Fresh Conc. Class A (includes hardener)	cu.m.	207.00		
	12mm dia.x6.00m. DRSB	lgths.	48.00		
	25mmØx6.00m. DRSB	lgts.	4.00		
	2"x 8"x 12' Coco Lumber	bd.ft.	768.00		
	2"x 2"x 12' Coco Lumber	bd.ft.	152.00		
	C.W.Nails Asstd.	kls.	22.00		
	Hot Asphalt	ltrs.	172.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			
Item No./Description		: 1710(2)a	<b>GROUTED RIPRAP (Line Canal)</b>		
Unit of Measurement		: 101.00	cu.m.		
	<b>Designation</b>	<b>No. of person</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>A</b>	Labor:				
	-Construction Foreman	1.00	112.00		
	-Skilled Workers	10.00	112.00		
	-Unskilled Workers	8.00	112.00		
	Sub - Total for A				
	<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount</b>
<b>B</b>	Equipment:				
	Sub - Total for B				
<b>C</b>	<b>Total (A +B)</b>				
	<b>Name and Capacity</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>

<b>D</b>	Materials:			
	Cement	bags	350.00	
	Head Size Boulders	cu.m.	101.00	
	Sand	cu.m.	50.00	
	Gravel Bedding	cu.m.	10.00	
	Sub - Total for D			
<b>E</b>	Estimated Direct Cost	C + D		
<b>F</b>	Unit Cost	E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E	
<b>H</b>	Non Civil Works	0.00%	of E	
<b>I</b>	Contractors Profit (CP)	8.00%	of E	
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost	E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement		

**L. CONSTRUCTION OF BARBED WIRE PERIMETER FENCE**

Item No./Description : **100(1) Clearing and Grubbing**  
Unit of Measurement : **0.11 ha.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	2.00	24.00		
	-Unskilled Workers	4.00	24.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Excavator (0.30 cu.m.)	1.00	24.00		
	Sub - Total for B				

**C Total (A +B)**

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost	C + D			
<b>F</b>	Unit Cost	E ÷ Unit of measurement			
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)	10.00%	of E		
<b>H</b>	Non Civil Works	0.00%	of E		
<b>I</b>	Contractors Profit (CP)	8.00%	of E		
<b>J</b>	Value Added Tax (VAT)	5.00%	of E+G+H+I		
<b>K</b>	Total Adjusted Cost	E+G+H+I+J			
<b>L</b>	Adjusted Unit Cost	K ÷ Unit of measurement			

Item No./Description : **803(1)a Structure Excavation (Common Soil)**  
Unit of Measurement : **9.95 cu.m.**

	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b>	Labor:				
	-Construction Foreman	1.00	24.00		
	-Skilled Workers	2.00	24.00		
	-Unskilled Workers	4.00	24.00		
	Sub - Total for A				

	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b>	Equipment:				
	Minor Tools (10% of Labor Cost)				
	Sub - Total for B				

**C Total (A +B)**

Name and Capacity		Unit	Quantity	Unit Cost	Amount
<b>D</b> Materials:					
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description		: <b>902(1)a</b>	<b>Reinforcing Steel (Grade 40)</b>		
Unit of Measurement		: <b>3,595.41</b>	kg		
Designation		No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b> Labor:					
-Construction Foreman		1.00	24.00		
-Skilled Workers		4.00	24.00		
-Unskilled Workers		4.00	24.00		
Sub - Total for A					
Name and Capacity		No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b> Equipment:					
Bar Cutter		1.00	24.00		
Bar Bender		1.00	24.00		
Sub - Total for B					
<b>C</b> Total (A +B)					
Name and Capacity		Unit	Quantity	Unit Cost	Amount
<b>D</b> Materials:					
8 mm Ø Def. Bar G-40		lh	393.00		
10 mm Ø Def. Bar G-40		lh	720.00		
Tie Wire #16		kg	108.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description		: <b>903(2)</b>	<b>Formworks and Falseworks</b>		
Unit of Measurement		: <b>205.26</b>	sq.m.		
Designation		No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b> Labor:					
-Construction Foreman		1.00	80.00		
-Skilled Workers		4.00	80.00		
-Unskilled Workers		4.00	80.00		
Sub - Total for A					
Name and Capacity		No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b> Equipment:					
Sub - Total for B					

<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b> Materials:					
	3/4" thick Phenolic Board	sht	26.00		
	2" x 3" x 8' Coco Lumber	pc	180.00		
	CWN Assorted	kg	25.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>900(2)c</b> <b>Structural Concrete, Class B @ 28 Days</b>					
Unit of Measurement : <b>23.09</b> cu.m.					
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b> Labor:					
	-Construction Foreman	1.00	40.00		
	-Skilled Workers	6.00	40.00		
	-Unskilled Workers	4.00	40.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b> Equipment:					
	One-Bagger Mixer	1.00	40.00		
Sub - Total for B					
<b>C</b> Total (A +B)					
	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b> Materials:					
	Portland Cement	bags	182.00		
	Sand	cu.m.	13.00		
	Gravel G-3/4"	cu.m.	25.00		
Sub - Total for D					
<b>E</b>	Estimated Direct Cost		C + D		
<b>F</b>	Unit Cost		E ÷ Unit of measurement		
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost		E+G+H+I+J		
<b>L</b>	Adjusted Unit Cost		K ÷ Unit of measurement		
Item No./Description : <b>604(1)</b> <b>Fencing, Barbed Wire</b>					
Unit of Measurement : <b>5,580.00</b> l.m.					
	Designation	No. of person	No. of Hours	Hourly Rate	Amount
<b>A</b> Labor:					
	-Construction Foreman	1.00	240.00		
	-Skilled Workers	2.00	240.00		
	-Unskilled Workers	4.00	240.00		
Sub - Total for A					
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
<b>B</b> Equipment:					
Sub - Total for B					
<b>C</b> Total (A +B)					

	Name and Capacity	Unit	Quantity	Unit Cost	Amount
<b>D</b>	Materials:				
	Barbed Wire Galvanized 3 Strands Ga. 12.5	l.m.	5,580.00		
	Consumables (3% of Material Cost)	lot	1.00		
	Sub - Total for D				
<b>E</b>	Estimated Direct Cost			C + D	
<b>F</b>	Unit Cost			E ÷ Unit of measurement	
<b>G</b>	Overhead, Contingencies & Miscellaneous (OCM)		10.00%	of E	
<b>H</b>	Non Civil Works		0.00%	of E	
<b>I</b>	Contractors Profit (CP)		8.00%	of E	
<b>J</b>	Value Added Tax (VAT)		5.00%	of E+G+H+I	
<b>K</b>	Total Adjusted Cost			E+G+H+I+J	
<b>L</b>	Adjusted Unit Cost			K ÷ Unit of measurement	

### Section VIII. Bill of Quantities



Republic of the Philippines  
Province of Misamis Oriental  
**MUNICIPALITY OF OPOL**

CONTRACT NAME: Construction of Opol Sanitary Landfill at Sitio Sto. Niño, Brgy. Bagoceboc, Opol, Misamis Oriental  
Location of the Contract: Sitio Sto. Niño, Bagoceboc, Opol, Misamis Oriental  
Project Duration: 360 calendar days  
Approved Budget for the Contract: Php 99,990,392.88

#### BILL OF QUANTITIES

QTY	UNIT	ITEM NO.	ITEM DESCRIPTION	UNIT COST	AMOUNT
PART II. GENERAL REQUIREMENTS					
1.00	L.s.	B.3	Permits and Clearances		
1.00	L.s.	B.7(1)	Occupational Safety and Health Program		
1.00	ea.	B.5	Project Billboard/Signboard		
1.00	L.s.	B.9	Mobilization/Demobilization		
PART III. CIVIL WORKS, MECHANICAL, ELECTRICAL, AND SANITARY/PLUMBING WORKS					

**A. CONSTRUCTION OF GUARD HOUSE**

3.53	cu.m.	803(1)a	Structure Excavation, Common Soil		
2.79	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days		
881.33	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40		
18.19	sq.m.	903(2)	Formworks and Falseworks		
1.00	L.s.	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000		
1.00	L.s.	1002(27)	Plumbing Works		
5.46	sq.m.	1003(1)a1	Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)		
11.40	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.		
28.27	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 100mm		
56.54	sq.m.	1027(1)	Cement Plaster Finish		
5.43	sq.m.	1018(1)	Glazed Tiles & Trims		
<b>TOTAL AMOUNT (IN WORDS)</b>					

Submitted by:

\_\_\_\_\_  
 Signature over Printed Name of Bidder/Representative Name of Company/Firm

\_\_\_\_\_  
 Position Date



**Republic of the Philippines**  
 Province of Misamis Oriental  
**MUNICIPALITY OF OPOL**

CONTRACT NAME: Construction of Opol Sanitary Landfill at Sitio Sto. Niño, Brgy. Bagocboc, Opol, Misamis Oriental  
 Location of the Contract: Sitio Sto. Niño, Bagocboc, Opol, Misamis Oriental  
 Project Duration: 360 calendar days  
 Approved Budget for the Contract: Php 99,990,392.88

**BILL OF QUANTITIES**

QTY	UNIT	ITEM NO.	ITEM DESCRIPTION	UNIT COST	AMOUNT
62.00	sq.m.	1032(1)a	Painting Works, Masonry/Concrete		
1.00	L.s.	1047(1)	Structural Steel (Roof Framing Works)		
3.26	sq.m.	1010(2)a	Doors (Flush)		
1.00	L.s.	1008	Aluminum Glass Windows		
1.00	L.s.	PART D	Electrical		
<b>B. CONSTRUCTION OF ADMIN BUILDING</b>					
19.56	cu.m.	803(1)a	Structure Excavation, Common Soil		
16.58	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days		
2617.95	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40		
38.79	sq.m.	903(2)	Formworks and Falseworks		
1.00	L.s.	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000		
1.00	L.s.	1002(27)	Plumbing Works		
5.46	sq.m.	1003(1)a1	Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)		

11.40	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.		
101.47	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 100mm		
202.94	sq.m.	1027(1)	Cement Plaster Finish		
53.77	sq.m.	1018(1)	Glazed Tiles & Trims		
<b>TOTAL AMOUNT (IN WORDS)</b>					

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Position

Name of Company/Firm

Date



Republic of the Philippines  
Province of Misamis Oriental  
**MUNICIPALITY OF OPOL**

CONTRACT NAME: Construction of Opol Sanitary Landfill at Sitio Sto. Niño, Brgy. Bagocboc, Opol, Misamis Oriental  
Location of the Contract: Sitio Sto. Niño, Bagocboc, Opol, Misamis Oriental  
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**BILL OF QUANTITIES**

QTY	UNIT	ITEM NO.	ITEM DESCRIPTION	UNIT COST	AMOUNT
208.40	sq.m.	1032(1)a	Painting Works, Masonry/Concrete		
1.00	L.s.	1047(1)	Structural Steel (Roof Framing Works)		
8.40	sq.m.	1010(2)a	Doors (Flush)		
12.22	sq.m.	1008(1)b	Aluminum Glass Windows (Casement Type)		
1.00	L.s.	PART D	Electrical		
<b>C. CONSTRUCTION OF MATERIAL RECOVERY FACILITY</b>					
24.20	cu.m.	803(1)a	Structure Excavation, Common Soil		
23.84	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days		
3737.43	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40		
72.00	sq.m.	903(2)	Formworks and Falseworks		
37.00	mtr	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000		
175.20	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.		
48.00	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 100mm		
96.00	sq.m.	1027(1)	Cement Plaster Finish		
105.60	sq.m.	1032(1)a	Painting Works, Masonry/Concrete		
1.00	L.s.	1047(8)	Structural Steel (Post & Roof Framing)		
1.00	L.s.	PART D	Electrical		
<b>TOTAL AMOUNT (IN WORDS)</b>					

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Province of Misamis Oriental  
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**BILL OF QUANTITIES**

QTY	UNIT	ITEM NO.	ITEM DESCRIPTION	UNIT COST	AMOUNT
<b>D. CONSTRUCTION OF THE COMPOSTING BED</b>					
8.82	cu.m.	803(1)a	Structure Excavation, Common Soil		
14.89	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days		
670.58	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40		
21.92	sq.m.	903(2)	Formworks and Falseworks		
30.00	mtr	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000		
98.00	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span - Rib-type, above 0.427mm thk.		
81.00	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 150mm		
162.00	sq.m.	1027(1)	Cement Plaster Finish		
162.00	sq.m.	1032(1)a	Painting Works, Masonry/Concrete		
1.00	L.s.	1047(8)	Structural Steel (Post & Roof Framing)		
1.00	L.s.	PART D	Electrical		
<b>E. CONSTRUCTION OF WEIGHBRIDGE</b>					
51.53	cu.m.	803(1)a	Structure Excavation, Common Soil		
16.23	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days		
1305.36	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40		
58.62	sq.m.	903(2)	Formworks and Falseworks		
1.00	L.s.	1047(1)	Structural Steel		
1.00	L.s.	PART D	Electrical		
1.00	L.s.	1726	Weigh Bridge System		
75.41	sq.m.	1032(1)a	Painting Works		
<b>TOTAL AMOUNT (IN WORDS)</b>					

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Province of Misamis Oriental
MUNICIPALITY OF OPOL

CONTRACT NAME: Construction of Opol Sanitary Landfill at Sitio Sto. Niño, Brgy. Bagoceboc, Opol, Misamis Oriental
Location of the Contract: Sitio Sto. Niño, Bagoceboc, Opol, Misamis Oriental
Project Duration: 360 calendar days
Approved Budget for the Contract: Php 99,990,392.88

BILL OF QUANTITIES

Table with 6 columns: QTY, UNIT, ITEM NO., ITEM DESCRIPTION, UNIT COST, AMOUNT. It lists items for 'F. CONSTRUCTION OF HAZARDOUS VAULT' and 'G. CONSTRUCTION OF SANITARY LANDFILL CELL'.

Submitted by:

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Name of Company/Firm

Position

Date



**Republic of the Philippines**  
 Province of Misamis Oriental  
**MUNICIPALITY OF OPOL**

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**BILL OF QUANTITIES**

QTY	UNIT	ITEM NO.	ITEM DESCRIPTION	UNIT COST	AMOUNT
5.00	units	SPL-4	Access Ramp		
6.00	units	SPL-5	Gas Vents		
396.00	lin.m	SPL-6	HDPE Line Canal		
<b>H. CONSTRUCTION OF WASH BAY</b>					
12.00	cu.m.	803(1)a	Structure Excavation, Common Soil		
20.52	cu.m.	900(1)c1	Structural Concrete Class A @ 28 Days		
2192.66	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40		
24.00	sq.m.	903(2)	Formworks and Falseworks		
1.00	L.s.	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000		
162.00	sq.m.	1014(1)b2	Prepainted Metal Sheets, Long Span-Rib Type, above 0.427mm thk		
1.00	L.s.	1047(1)	Structural Steel (Post & Roof Framing Works)		
1.00	L.s.	PART D	Electrical		
<b>I. CONSTRUCTION OF LEACHATE TREATMENT POND</b>					
1998.00	cu.m.	103(1)a	Structure Excavation (Common Soil)		
1091.28	sq.m.	105(1)	Subgrade Preparation		
1091.28	sq.m.	715(1)	Geotextile		
1091.28	sq.m.	SPL-1	HDPE Liner 1.5mm Thick		
24.00	mtr	1001(1)c5	Pipes And Fittings (8" HDPE)		
<b>J. CONSTRUCTION OF LEACHATE TREATMENT PLANT</b>					
530.40	cu.m.	803(1)a	Structure Excavation, Common Soil		
19.20	cu.m.	804(4)	Gravel Fill Bedding		
<b>TOTAL AMOUNT (IN WORDS)</b>					

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**BILL OF QUANTITIES**

QTY	UNIT	ITEM NO.	ITEM DESCRIPTION	UNIT COST	AMOUNT
8025.22	kg	902(1)a	Reinforcing Steel (Deformed), Grade 40		
89.73	cu.m.	405(1)b2	Structural Concrete Class A, 27.58 Mpa @ 14 Days		
292.20	sq.m.	903(2)	Formworks and Falseworks		
30.00	mtr	1001(1)a7	Pipes and Fittings, 100mm dia. PVC Series 1000		
3.30	sq.m.	1003(1)a1	Ceiling (4.5mm thk Fiber Cement Board on Metal Frame)		
22.50	sq.m.	1013(1)	Corrugated Metal Roofing Gauge 26		
821.80	sq.m.	1016(1)a	Waterproofing, Cement-based		
22.20	sq.m.	1046(2)a2	CHB Non Load Bearing (including reinforcing steel), 100mm		
22.20	sq.m.	1003(2)a1	4.5mm thk Ficem Board Wall on Metal Frame		
45.10	sq.m.	1032(1)a	Painting Works, Masonry/Concrete		
1.00	L.s.	1047(8)	Structural Steel (Post & Roof Framing)		
1.00	L.s.	1,010.00	Doors and Windows for Control Room		
1.00	L.s.	PART D	Electrical		
1.00	L.s.	1726	Wastewater Treatment Plant		
<b>K. CONCRETING OF ACCESS ROAD</b>					
500.00	cu.m.	102(1)a	Surplus Common Excavation		
372.96	cu.m.	103(1)a	Structure Excavation (Common Soil)		
2880.00	cu.m.	104(1)a	Embankment		
<b>TOTAL AMOUNT (IN WORDS)</b>					

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**BILL OF QUANTITIES**

QTY	UNIT	ITEM NO.	ITEM DESCRIPTION	UNIT COST	AMOUNT
3648.20	sq.m.	105(1)	Subgrade Preparation		
347.62	cu.m.	200	Aggregate Subbase Course		
1032.00	sq.m.	311(1)b1	Portland Cement Concrete Pavement (Unreinforced), 0.20m Thk, 3500psi @ 14 days		
101.00	cu.m.	1710(2)a	Grouted Riprap (Line Canal)		
<b>L. CONSTRUCTION OF BARBED WIRE PERIMETER FENCE</b>					
0.11	ha.	100(1)	Clearing and Grubbing		
9.95	cu.m.	803(1)a	Structure Excavation (Common Soil)		
3595.41	kg.	902(1)a	Reinforcing Steel (Grade 40)		
205.26	sq.m.	903(2)	Formworks and Falseworks		
23.09	cu.m.	900(2)c	Structural Concrete, Class B @ 28 Days		
5580.00	l.m.	604(1)	Fencing, Barbed Wire		
<b>TOTAL AMOUNT (IN WORDS)</b>					

Submitted by:

\_\_\_\_\_  
Signature over Printed Name of Bidder/Representative

\_\_\_\_\_  
Name of Company/Firm

Position

Date

This Bid Supplement shall form part of the Bidding Documents. Any provisions in the Bidding Documents inconsistent herewith is hereby amended, modified and superseded accordingly. For further inquiries, you may coordinate with the BAC Secretariat at 0936-122-7460 or thru e-mail at lguopolbac.misor@gmail.com.

Please be guided accordingly.

Thank you.

**(Sgd. )EDGAR C. OLACO, MPA, REA**  
Chairperson, Bids and Awards Committee