

**PROGRAM OF WORKS**  
**BILL OF QUANTITIES**  
REPAIR 2020 - CAR - Baguio City - 009

School : A. BONIFACIO ELEMENTARY SCHOOL			Date:			
School I.D : 136393			Budget Allocation: PHP 7,827,738.47			
Region : CAR			Eng'g and Administrative Overhead: PHP 0.00			
Division : BAGUIO CITY			Approved Budget for the Contract: PHP 0.00			
Project Title :			Completion Period: 200 CD			
PROPOSED CONSTRUCTION OF COMFORT ROOMS (23 SEATERS), AND COOKING AREA			Minimum Required Manpower:			
			General Foreman Mason			
			Carpenter Helpers			
			Painter			
Location Camdas, Baguio City			Minimum Required Equipment:			
			Various Power Tools			
			Various Hand Tools			
ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	<b>I. DIRECT COST</b>					
	GENERAL REQUIREMENTS		lot	1.00		
	<b>Construction of Cooking Area</b>					
1.000	Earthworks		lot	1.00		
2.000	Concreting Works		cu.m	58.22		
3.000	Rebar Works		kg	2,247.30		
4.000	Formworks		lot	1.00		
7.000	Steel Works		lot	1.00		
8.000	Roofing Works		sq.m.	287.55		
13.000	Painting Works		lot	1.00		
	<b>Construction of Comfort Room 1 (12 seaters)</b>					
1.000	Earthworks		lot	1.00		
2.000	Concreting Works		cu.m	26.52		
3.000	Rebar Works		kg	4,467.10		
4.000	Formworks		lot	1.00		
5.000	Masonry Works		lot	1.00		
6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
8.000	Roofing Works		lot	1.00		
9.000	Ceiling and Carpentry Works		sq.m.	29.70		
10.000	Electrical Works		lot	1.00		
11.000	Plumbing Works		lot	1.00		
12.000	Sanitary Works		lot	1.00		
13.000	Painting Works		sq.m	359.60		
14.000	Tile Works		sq.m	137.76		
	<b>Construction of Comfort Room 2 (12 seaters)</b>					
1.000	Earthworks		lot	1.00		
2.000	Concreting Works		cu.m	25.87		
3.000	Rebar Works		kg	4,883.52		
4.000	Formworks		lot	1.00		
5.000	Masonry Works		lot	1.00		
6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
10.000	Electrical Works		lot	1.00		
11.000	Plumbing Works		lot	1.00		
12.000	Sanitary Works		lot	1.00		
13.000	Painting Works		sq.m.	321.82		
14.000	Tile Works		sq.m.	119.76		
	<b>Handwashing</b>					

1.000	Earthworks		lot	1.00		
2.000	Concreting Works		cu.m	3.18		
3.000	Rebar Works		kg	167.90		
5.000	Masonry Works		lot	1.00		
7.000	Steel Works		lot	1.00		
8.000	Roofing Works		sq.m.	14.17		
11.000	Plumbing Works		lot	1.00		
12.000	Sanitary Works		lot	1.00		
13.000	Painting Works		lot	1.00		
14.000	Tile Works		sq.m.	11.76		
	<b>Electrical Works</b>					
	IMPROVEMENT OF COVERED COURT LIGHTING		lot	1.00		
	PROVISION OF PERIMETER LIGHTINGS		lot	1.00		
	PANEL BOARD		lot	1.00		
	<b>Sub-Total</b>					
	<b>II. INDIRECT COST __% of (I-Gen. Reqmts.)</b>					
	Overhead Expenses (5%)					
	Contingencies (3%)					
	Miscellaneous (1%)					
	Contractor's Profit (__%)					
	<b>Sub-Total</b>					
	<b>III. TAX 5% of (I+II)</b>					
	<b>IV. TOTAL CONSTRUCTION COST (I + II + III)</b>					

Prepared by:

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Contractor/Representative

## (CONTRACTOR'S LETTERHEAD)

**PROGRAM OF WORKS  
DETAILED COST ESTIMATE**

**PROJECT** PROPOSED CONSTRUCTION OF COMFORT ROOMS (23 SEATERS), AND COOKING AREA

**SCHOOL** : A. BONIFACIO ELEMENTARY SCHOOL

**LOCATION** Camdas, Baguio City

**OWNER** : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
<b>A</b>	<b>GENERAL REQUIREMENTS</b>	<b>lot</b>	<b>1.00</b>					
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard (with frame)	lot	1.00					
	<b>Sub-total</b>							
	<b>Construction of Cooking Area</b>							
<b>1.000</b>	<b>Earthworks</b>	<b>lot</b>	<b>1.00</b>					
1.020	Structural Excavation	cu.m	52.80					
1.030	Backfilling and Compaction	cu.m	43.41					
1.040	Gravel Bedding G-1	cu.m	4.80					
1.060	Soil Poisoning	sq m	24.00					
	<b>Sub-total</b>							
<b>2.000</b>	<b>Concreting Works</b>	<b>cu.m</b>	<b>58.22</b>					
2.020	Portland Cement	bag	550.00					
2.030	Crushed Gravel 3/4"	cu.m	61.13					
2.050	Washed Sand	cu.m	30.57					
	<b>Sub-total</b>							
<b>3.000</b>	<b>Rebar Works</b>	<b>kg</b>	<b>2,247.30</b>					
3.050	Deformed Round Bars, Grade 40	kg	1,754.81					
3.090	Deformed Round Bars, Grade 33	kg	492.49					
3.120	G.I. Tie Wire	kg	12.00					
	<b>Sub-total</b>							
<b>4.000</b>	<b>Formworks/Scaffoldings</b>	<b>lot</b>	<b>1.00</b>					
4.010	lumber	bd.ft	100.00					
4.020	Plywood Ordinary, 1/4" x 4' x 8'	pc	8.00					
4.040	CWN, Assorted	kg	40.00					
	Scaffolding Rentals	set	1,250.00					
	<b>Sub-total</b>							
<b>7.000</b>	<b>Steel Works</b>	<b>lot</b>	<b>1.00</b>					
	2" x 6" x 1.2mm C-Purlins	pcs.	106.00					
7.081	L 75 x 75 x 6mm	kg	6,795.96					
7.0900	L 50 x 50 x 6mm	kg	4,383.13					
7.190	Plain Round Bar 16mmØ x 6m	pc	27.00					
7.1901	Plain Round Bar 12mmØ x 6m	pc	12.00					
7.200	Turn Buckle 16 mmØ	pc	36.00					
	Anchor Bolt with Nuts and Washer, 20mmØ x 600mm	pc	36.00					
	Gusset Plate 300x500x12.5mm	pc	6.00					
	Base Plate 500x500x12.5mm	pc	6.00					
	12mm dia. Machine Bolts & Nuts	pc	24.00					
	12mm dia.Nuts & Washers	pc	114.00					



7.360	Welding Rod	kg	150.00					
13.121	Primer, Red Oxide	gal	14.00					
	Cutting Disk	pcs.	19.00					
	Grinding Disk	pcs.	20.00					
	Paint Brush	pcs.	12.00					
	Sand paper	pcs.	200.00					
	<b>Sub-total</b>							
<b>8.000</b>	<b>Roofing Works</b>	<b>sq.m.</b>	<b>287.55</b>					
	G.I. Long-Span Roofing, Pre-Painted, 1220mm x 0.5mm	lm	287.55					
	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.5mm	pc	9.00					
	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.5mm	pc	7.00					
	G.I. Gutter, Preformed, Pre-Painted, 0.610m x 2.440m x 0.5mm	pc	13.00					
8.100	Teckscrew 2-1/2"	pc	3,500.00					
8.110	Blind Rivets	pc	500.00					
8.130	Roof Sealant	L	12.00					
	<b>Sub-total</b>							
<b>12.000</b>	<b>Sanitary Works</b>	<b>lot</b>	<b>1.00</b>					
12.050	PVC Sanitary Pipe 4"Ø x 3.0m	pc	18.00					
12.090	PVC Sanitary Elbow 90° x 4"Ø	pc	18.00					
12.300	PVC Cement	can	2.00					
	<b>Sub-total</b>							
	<b>Construction of Comfort Room 1 (12 seaters)</b>							
<b>1.000</b>	<b>Earthworks</b>	<b>lot</b>	<b>1.00</b>					
1.010	Clearing and Grubbing	sq.m	52.60					
1.020	Structural Excavation	cu.m	29.69					
1.030	Backfilling and Compaction	cu.m	24.07					
1.040	Gravel Bedding G-1	cu.m	6.34					
1.060	Soil Poisoning	sq m	51.05					
	<b>Sub-total</b>							
<b>2.000</b>	<b>Concreting Works (CLASS A)</b>	<b>cu.m</b>	<b>26.52</b>					
2.020	Portland Cement	bag	239.00					
2.030	Crushed Gravel 3/4"	cu.m	26.52					
2.050	Washed Sand	cu.m	13.26					
	<b>Sub-total</b>							
<b>3.000</b>	<b>Rebar Works</b>	<b>kg</b>	<b>4,467.10</b>					
3.050	Deformed RSB, Grade 40	kg	2,121.28					
3.090	Deformed RSB, Grade 33	kg	2,345.82					
3.120	G.I. Tie Wire	kg	50.00					
	<b>Sub-total</b>							
<b>4.000</b>	<b>Formworks</b>	<b>lot</b>	<b>1.00</b>					
4.010	lumber	bd.ft	400.00					
4.020	Plywood Ordinary, 1/4" x 4' x 8'	pc	20.00					
4.040	CWN, Assorted	kg	25.00					
	<b>Sub-total</b>							
<b>5.000</b>	<b>Masonry Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Masonry Wall (Class A)</b>	<b>sq.m.</b>	<b>119.41</b>					
5.030	CHB 4" thk	pc	423.00					
	CHB 5" thk	pc	1,070.00					
2.020	Portland Cement	bag	121.00					
2.050	Washed Sand	cu.m	7.00					
5.040	10mm x 6m RSB	kg	318.20					
3.120	G.I. Tie Wire	kg	5.00					
	<b>Plastering (Class A @ 20mm thick)</b>	<b>sq.m.</b>	<b>295.19</b>					
2.020	Portland Cement	bag	107.00					

2.050	Washed Sand	cu.m	6.00					
	<b>Sub-total</b>							
<b>6.000</b>	<b>Doors and Windows</b>	<b>lot</b>	<b>1.00</b>					
	D-1, (0.90m x 2.10m) Steel Door Type Hinged Door on Steel Jamb/ Frame and Barrel bolt- type Knob	set	3.00					
	BD1 (1.4m x 0.60m )Aluminum Door with jamb and complete accessories	sq.m.	10.08					
	Awning Type Analoc Window with 1/4" clear glass	sq.m.	13.68					
	<b>Sub-total</b>							
<b>7.000</b>	<b>Steel Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Roof Framing</b>							
	Angle Bar 2"x2"x4.5mm	pcs.	6.00					
	2" x 3" x 1.2mm C-Purlins	pcs.	8.00					
	2" x 4" x 1.2mm C-Purlins (For Fascia)	pcs.	8.00					
7.360	Welding Rod	kg	8.00					
	<b>Railings</b>							
7.261	G.I. Pipe 1-1/2"Ø Sch. 40	pc	10.00					
7.260	G.I. Pipe 2"Ø Sch.40	pc	8.00					
7.360	Welding Rod	kg	10.00					
	<b>Window Grilles</b>							
7.250	Square Bar 12mm□	pc	16.00					
7.105	Flat Bar 1" x 1/4"	kg	12.00					
7.360	Welding Rod	kg	5.00					
	<b>Sub-total</b>							
<b>8.000</b>	<b>Roofing Works</b>	<b>lot</b>	<b>1.00</b>					
8.080	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.4mm	pc	8.00					
	S-Gutter, Pre-formed, Pre-painted, 0.610m x 2.440m x 0.4mm thk	pc	3.00					
8.060	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm	lm	33.60					
8.100	Teckscrew 2-1/2"	pc	630.00					
8.130	Roof Sealant	li	2.00					
8.110	Blind Rivets	pc	220.00					
	<b>Sub-total</b>							
<b>9.000</b>	<b>Ceiling and Carpentry Works</b>	<b>sq.m</b>	<b>29.70</b>					
	<b>2nd Floor Ceiling</b>	<b>sq.m.</b>	<b>29.70</b>					
9.050	Plywood, Marine 1/4" x 4' x 8'	pc	12.00					
9.140	1200mm x 300mm with 25mm x 25mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	4.00					
9.170	Rough Lumber (joists, hangers & runners)	bd.ft	245.13					
9.220	Concrete Nails	kg	10.00					
9.210	Finishing Nails	kg	4.00					
	CWN, Assorted	pc	15.00					
	<b>Sub-total</b>							
<b>10.000</b>	<b>Electrical Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Conduit, Boxes, and Fittings</b>							
10.010	Electrical Conduit uPVC, 15mmØ	pc	50.00					
10.130	Utility Box, 2" x 4"	pc	5.00					
10.120	Junction Box, 4" x 4"	pc	18.00					
	<b>Wires and Wiring Devices</b>							
10.160	3.5 mm² THHN Wire, Stranded	m	300.00					
10.170	5.5 mm² THHN Wire, Stranded	m	20.00					
10.550	Electrical Tape	pc	4.00					
10.270	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	2.00					
10.360	1 -18W, 230V, 60Hz AC, Compact Fluorescent Lighting Fixture with Medium Base Keyless Type Porcelain Receptacle	set	18.00					



10.370	Panel Box, Flush Type, 4 Branches	set	1.00					
10.410	Circuit Breaker, 20A 2P	set	1.00					
	Circuit Breaker, 15A 2P	set	2.00					
10.430	Circuit Breaker, 40A 2P	set	1.00					
10.550	Electrical Tape	pc	4.00					
	<b>Sub-total</b>							
<b>11.000</b>	<b>Plumbing Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Plumbing Fixtures</b>							
11.010	Water Closet Flange	sets	12.00					
11.020	Water Closet 1.6gpf with Accessories	sets	12.00					
11.441	S.S. Floor Drain 4" x 4"	set	19.00					
11.450	Mirror	sq.ft	12.00					
11.430	Tissue Holder	pc	12.00					
11.420	Teflon Tape	roll	10.00					
11.030	Urinal 0.8gpf	sets	4.00					
11.051	1/2" x 4" Stainless Pull Up/Down Faucet	set	10.00					
	Phenolic resin privacy urinal modesty panels partitions complete with accessories	set	4.00					
	Wall mounted stainless shower faucet with control valve	set	12.00					
	13 drums Stainless Water Tank (mirror) with stand	set	1.00					
	Float Valve Big	set	1.00					
	<b>Waterline Works</b>							
11.380	Gate Valve, 3/4"Ø	pc	1.00					
11.110	PP-R Pipe 1/2"Ø x 4.0m	pc	42.00					
11.160	PP-R Coupling, 1/2"Ø	pc	12.00					
11.220	PP-R Elbow 90° x 1/2"Ø	pc	44.00					
11.270	PP-R Tee, 1/2"Ø	pc	34.00					
11.410	Check Valve, Horizontal, 1/2"Ø	pc	1.00					
	PP-R Threaded Adapter	pc	34.00					
	<b>Sub-total</b>							
<b>12.000</b>	<b>Sanitary Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Sewer Line Works</b>							
12.050	PVC Sanitary Pipe 4"Ø x 3.0m	pc	12.00					
12.070	PVC Sanitary Pipe 2"Ø x 3.0m	pc	20.00					
12.090	PVC Sanitary Elbow 90° x 4"Ø	pc	15.00					
12.110	PVC Sanitary Elbow 90° x 2"Ø	pc	8.00					
12.160	PVC Sanitary Wye 4" x 4"	pc	12.00					
12.180	PVC Sanitary Wye 2" x 2"	pc	20.00					
12.220	PVC Sanitary Tee 2" x 2"	pc	20.00					
12.240	Brass Cleanout 4" x 4"	pc	2.00					
12.250	Brass Cleanout 2" x 2"	pc	2.00					
12.270	PVC P-Trap 2"	pc	28.00					
12.300	PVC Cement	can	6.00					
	<b>Downspout</b>							
12.060	PVC Sanitary Pipe 3"Ø x 3.0m	pc	8.00					
12.100	PVC Sanitary Elbow 90° x 3"Ø	pc	9.00					
12.300	PVC Cement	can	1.00					
	<b>Three Chamber Septic Vault</b>							
1.020	Structural Excavation	cu.m	6.75					
1.040	Gravel Bedding G-1	cu.m	2.00					
2.020	Portland Cement	bag	39.00					
2.030	Crushed Gravel 3/4"	cu.m	1.50					
2.050	Washed Sand	cu.m	0.75					
3.090	Deformed RSB, Grade 33	kg	158.53					
3.120	G.I. Tie Wire	kg	2.00					
5.020	CHB 6" thk	pc	303.00					
4.010	lumber	bd.ft	33.33					

4.020	Plywood Ordinary, 1/4" x 4' x 8'	pc	2.00					
	<b>Plastering (inner side)</b>	<b>sq.m.</b>	<b>19.52</b>					
2.020	Portland Cement	bag	7.00					
2.050	Washed Sand	cu.m	0.50					
15.010	Waterproofing, Cementitious	gal	2.00					
	<b>Sub-total</b>							
<b>13.000</b>	<b>Painting Works</b>	<b>sq.m</b>	<b>359.60</b>					
	<b>Concrete surfaces</b>	<b>sq.m.</b>	<b>273.55</b>					
13.010	Neutralizer	gal	10.00					
13.020	Latex, Flat	gal	14.00					
13.040	Latex, Semi Gloss	gal	29.00					
13.030	Masonry Putty	gal	11.00					
	Roller Brush with Pan	set	7.00					
	Paint Brush	pc	4.00					
	Sand paper	PC	61.00					
	<b>Wood Surfaces (Ceiling)</b>	<b>sq.m.</b>	<b>29.04</b>					
13.060	Enamel, Flatwall	gal	2.00					
13.070	Glazing Putty	gal	2.00					
13.080	Enamel, Semi Gloss	gal	4.00					
13.090	Paint Thinner	L	4.00					
	Roller Brush with Pan	set	2.00					
	Paint Brush	pc	2.00					
	Sand paper	PC	15.00					
	<b>Steel Surfaces</b>	<b>sq.m.</b>	<b>86.05</b>					
13.080	Enamel, Semi Gloss	gal	10.00					
13.090	Paint Thinner	L	10.00					
13.121	Primer, Red Oxide	gal	8.00					
	Paint Brush	pc	4.00					
	Sand paper	pc	30.00					
	<b>Sub-total</b>							
<b>14.000</b>	<b>Tile Works</b>	<b>sq.m</b>	<b>137.76</b>					
	<b>Wall</b>	<b>sq.m.</b>	<b>75.68</b>					
	Glazed Wall Tiles (40x40)	pc	478.00					
14.050	Tile Grout 5 kg/bag	bag	3.00					
14.030	Tile Adhesive 25 kg/bag	bag	16.00					
	<b>Flooring</b>	<b>sq.m.</b>	<b>50.72</b>					
	Unglazed Floor Tiles (40x40)	pc	317.00					
2.020	Portland Cement	bag	17.00					
2.050	Washed Sand	cu.m	3.50					
14.050	Tile Grout 5 kg/bag	bag	2.00					
14.030	Tile Adhesive 25 kg/bag	bag	10.00					
	<b>Handwashing</b>	<b>sq.m.</b>	<b>11.36</b>					
14.022	Granite Tiles 60cm x 60cm	pc	33.00					
14.050	Tile Grout 5 kg/bag	bag	0.25					
14.030	Tile Adhesive 25 kg/bag	bag	4.00					
	<b>Sub-total</b>							
<b>CONSTRUCTION OF COMFORT ROOM 2 (12 SEATS)</b>								
<b>1.000</b>	<b>Earthworks</b>	<b>lot</b>	<b>1.00</b>					
	Clearing, grubbing and site Leveling (includes haul out of excavated materials, dumping area to be determined by contractor)	cu.m	92.80					
1.020	Structural Excavation	cu.m	25.65					
1.030	Backfilling and Compaction	cu.m	19.74					
1.040	Gravel Bedding G-1	cu.m	2.70					
1.060	Soil Poisoning	sq m	28.00					
	<b>Sub-total</b>							
<b>2.000</b>	<b>Concreting Works (CLASS A)</b>	<b>cu.m</b>	<b>25.87</b>					
2.020	Portland Cement	bag	237.00					
2.030	Crushed Gravel 3/4"	cu.m	25.87					



2.050	Washed Sand	cu.m	12.94					
	<b>Sub-total</b>							
<b>3.000</b>	<b>Rebar Works</b>	<b>kg</b>	<b>4,883.52</b>					
3.050	Deformed Round Bars, Grade 40	kg	2,393.07					
3.090	Deformed Round Bars, Grade 33	kg	2,490.45					
3.120	G.I. Tie Wire	kg	52.50					
	<b>Sub-total</b>							
<b>4.000</b>	<b>Formworks</b>	<b>lot</b>	<b>1.00</b>					
4.010	lumber	bd.ft	400.00					
4.020	Plywood Ordinary, 1/4" x 4' x 8'	pc	30.00					
4.040	CWN, Assorted	kg	75.00					
	<b>Sub-total</b>							
<b>5.000</b>	<b>Masonry Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Masonry Wall (Class A)</b>	<b>sq.m.</b>	<b>137.29</b>					
5.030	CHB 4" thk	pc	653.00					
	CHB 5" thk	pc	556.00					
	Load Bearing CHB 6" thk	pc	507.00					
2.020	Portland Cement	bag	156.00					
2.050	Washed Sand	cu.m	8.53					
3.100	D10mm x 6.00 mts RSB	pc	72.00					
3.110	D12mm x 6.00 mts RSB	pc	43.00					
3.120	G.I. Tie Wire	kg	10.00					
	<b>Plastering (Class A @ 20mm thick)</b>	<b>sq.m.</b>	<b>274.58</b>					
2.020	Portland Cement	bag	99.00					
2.050	Washed Sand	cu.m	5.50					
	<b>Sub-total</b>							
<b>6.000</b>	<b>Doors and Windows</b>	<b>lot</b>	<b>1.00</b>					
	D-1, (0.90m x 2.10m) Steel Door Type Hinged Door on Steel Jamb/ Frame and Barrel bolt- type Knob	set	2.00					
	BD1 (1.4m x 0.60m )Aluminum Door with jamb and complete accessories	sq.m.	10.08					
	Awning Type Analoc Window with 1/4" clear glass	sq.m.	6.48					
	<b>Sub-total</b>							
<b>7.000</b>	<b>Steel Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Railings</b>							
7.261	G.I. Pipe 1-1/2"Ø Sch. 40	pc	5.00					
7.260	G.I. Pipe 2"Ø Sch.40	pc	4.00					
7.360	Welding Rod	kg	5.00					
	<b>Window Grilles</b>							
7.250	Square Bar 12mm□	pc	8.00					
7.105	Flat Bar 1" x 1/4"	kg	6.00					
7.360	Welding Rod	kg	2.50					
	<b>Sub-total</b>							
<b>10.000</b>	<b>Electrical Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Conduit, Boxes, and Fittings</b>							
10.010	Electrical Conduit uPVC, 15mmØ	pc	25.00					
10.130	Utility Box, 2" x 4"	pc	3.00					
10.120	Junction Box, 4" x 4"	pc	9.00					
	<b>Wires and Wiring Devices</b>							
10.160	3.5 mm² THHN Wire, Stranded	m	150.00					
10.170	5.5 mm² THHN Wire, Stranded	m	10.00					
10.550	Electrical Tape	pc	2.00					
10.270	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	1.00					



10.360	1-18W, 230V, 60Hz AC, Compact Fluorescent Lighting Fixture with Medium Base Keyless Type Porcelain Receptacle	set	9.00					
10.370	Panel Box, Flush Type, 4 Branches	set	0.50					
10.410	Circuit Breaker, 20A 2P	set	0.50					
	Circuit Breaker, 15A 2P	set	1.00					
10.430	Circuit Breaker, 40A 2P	set	0.50					
10.550	Electrical Tape	pc	2.00					
	<b>Sub-total</b>							
<b>11.000</b>	<b>Plumbing Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Plumbing Fixtures</b>							
11.010	Water Closet Flange	sets	12.00					
11.020	Water Closet 1.6gpf with Accessories	sets	12.00					
11.441	S.S. Floor Drain 4" x 4"	set	19.00					
11.450	Mirror	sq.ft	12.00					
11.430	Tissue Holder	pc	12.00					
11.420	Teflon Tape	roll	10.00					
11.030	Urinal 0.8gpf	sets	4.00					
11.051	1/2" x 4" Stainless Pull Up/Down Faucet	set	10.00					
	Phenolic resin privacy urinal modesty panels partitions complete with accessories	set	4.00					
	Wall mounted stainless shower faucet with control valve	set	12.00					
	13 drums Stainless Water Tank (mirror) with stand	set	1.00					
	Float Valve Big	set	1.00					
	<b>Waterline Works</b>							
11.380	Gate Valve, 3/4"Ø	pc	1.00					
11.110	PP-R Pipe 1/2"Ø x 4.0m	pc	21.00					
11.160	PP-R Coupling, 1/2"Ø	pc	6.00					
11.220	PP-R Elbow 90° x 1/2"Ø	pc	22.00					
11.270	PP-R Tee, 1/2"Ø	pc	17.00					
11.410	Check Valve, Horizontal, 1/2"Ø	pc	1.00					
	PP-R Threaded Adapter	pc	17.00					
	<b>Sub-total</b>							
<b>12.000</b>	<b>Sanitary Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Sewer Line Works</b>							
12.050	PVC Sanitary Pipe 4"Ø x 3.0m	pc	6.00					
12.070	PVC Sanitary Pipe 2"Ø x 3.0m	pc	10.00					
12.090	PVC Sanitary Elbow 90° x 4"Ø	pc	8.00					
12.110	PVC Sanitary Elbow 90° x 2"Ø	pc	4.00					
12.160	PVC Sanitary Wye 4" x 4"	pc	6.00					
12.180	PVC Sanitary Wye 2" x 2"	pc	10.00					
12.220	PVC Sanitary Tee 2" x 2"	pc	10.00					
12.240	Brass Cleanout 4" x 4"	pc	1.00					
12.250	Brass Cleanout 2" x 2"	pc	1.00					
12.270	PVC P-Trap 2"	pc	14.00					
12.300	PVC Cement	can	3.00					
	<b>Downspout</b>							
12.060	PVC Sanitary Pipe 3"Ø x 3.0m	pc	4.00					
12.100	PVC Sanitary Elbow 90° x 3"Ø	pc	4.50					
12.300	PVC Cement	can	1.00					
	<b>Three Chamber Septic Vault</b>							
1.020	Structural Excavation	cu.m	6.75					
1.040	Gravel Bedding G-1	cu.m	2.00					
2.020	Portland Cement	bag	39.00					
2.030	Crushed Gravel 3/4"	cu.m	1.50					
2.050	Washed Sand	cu.m	0.75					

3.090	Deformed Round Bars, Grade 33	kg	158.53					
3.120	G.I. Tie Wire	kg	2.00					
5.020	CHB 6" thk	pc	303.00					
4.010	lumber	bd.ft	33.33					
4.020	Plywood Ordinary, 1/4" x 4' x 8'	pc	2.00					
	<b>Plastering (inner side)</b>	<b>sq.m.</b>	<b>19.52</b>					
2.020	Portland Cement	bag	7.00					
2.050	Washed Sand	cu.m	0.50					
15.010	Waterproofing, Cementitious	gal	2.00					
	<b>Sub-total</b>							
<b>13.000</b>	<b>Painting Works</b>	<b>sq.m</b>	<b>321.82</b>					
	<b>Concrete surfaces</b>	<b>sq.m.</b>	<b>248.68</b>					
13.010	Neutralizer	gal	10.00					
13.020	Latex, Flat	gal	14.00					
13.040	Latex, Semi Gloss	gal	29.00					
13.030	Masonry Putty	gal	11.00					
	Roller Brush with Pan	set	7.00					
	Paint Brush	pc	4.00					
	Sand paper	PC	165.00					
	<b>Steel Surfaces</b>	<b>sq.m.</b>	<b>73.14</b>					
13.080	Enamel, Semi Gloss	gal	12.00					
13.090	Paint Thinner	L	10.00					
13.121	Primer, Red Oxide	gal	8.00					
	Paint Brush	pc	4.00					
	Sand paper	pc	75.00					
	<b>Sub-total</b>							
<b>14.000</b>	<b>Tile Works</b>	<b>sq.m</b>	<b>119.76</b>					
	<b>Wall</b>	<b>sq.m.</b>	<b>75.68</b>					
14.010	Ceramic Glazed Tile	sq.m.	75.68					
2.020	Portland Cement	bag	26.00					
14.050	Tile Grout 5 kg/bag	bag	3.00					
14.030	Tile Adhesive 25 kg/bag	bag	16.00					
	<b>Flooring</b>	<b>sq.m.</b>	<b>32.72</b>					
14.020	Ceramic Unglazed Tile	sq.m.	32.72					
2.020	Portland Cement	bag	11.00					
2.050	Washed Sand	cu.m	2.13					
14.050	Tile Grout 5 kg/bag	bag	2.00					
14.030	Tile Adhesive 25 kg/bag	bag	10.00					
	<b>Handwashing</b>	<b>sq.m.</b>	<b>11.36</b>					
14.022	Granite Tiles 60cm x 60cm	pc	33.00					
2.020	Portland Cement	bag	4.00					
14.050	Tile Grout 5 kg/bag	bag	0.25					
14.030	Tile Adhesive 25 kg/bag	bag	3.00					
	<b>Sub-total</b>							
	<b>Handwashing</b>							
<b>1.000</b>	<b>Earthworks</b>	<b>lot</b>	<b>1.00</b>					
1.020	Structural Excavation	cu.m	5.10					
1.040	Gravel Bedding G-1	cu.m	0.95					
	<b>Sub-total</b>							
<b>2.000</b>	<b>Concreting Works</b>	<b>cu.m</b>	<b>3.18</b>					
2.020	Portland Cement	bag	29.00					
2.030	Crushed Gravel 3/4"	cu.m	3.18					
2.050	Washed Sand	cu.m	1.59					
	<b>Sub-total</b>							
<b>3.000</b>	<b>Rebar Works</b>	<b>kg</b>	<b>167.90</b>					
3.090	Deformed Round Bars, Grade 33	kg	167.90					
3.120	G.I. Tie Wire	kg	1.00					
	<b>Sub-total</b>							
<b>5.000</b>	<b>Masonry Works</b>	<b>lot</b>	<b>1.00</b>					



5.030	CHB 4" thk	pc	282.00					
5.040	10mm x 6m RSB	kg	62.90					
2.020	Portland Cement	bag	29.00					
2.050	Washed Sand	cu.m	2.10					
	<b>Sub-total</b>							
<b>7.000</b>	<b>Steel Works</b>	<b>lot</b>	<b>1.00</b>					
7.260	G.I. Pipe 2"Ø Sch.40	pc	4.00					
7.261	G.I. Pipe 1-½"Ø Sch. 40	pc	5.00					
7.360	Welding Rod	kg	4.00					
	Cutting Blade 14" dia.	pc	2.00					
	<b>Sub-total</b>							
<b>8.000</b>	<b>Roofing Works</b>	<b>sq.m.</b>	<b>14.17</b>					
	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm	lm	45.00					
8.100	Teckscrew 2-1/2"	pc	300.00					
8.130	Roof Sealant	L	1.00					
	<b>Sub-total</b>							
<b>11.000</b>	<b>Plumbing Works</b>	<b>lot</b>	<b>1.00</b>					
11.051	1/2" x 4" Stainless Pull Up/Down Faucet	set	10.00					
11.110	PP-R Pipe 1/2"Ø x 4.0m	pc	3.00					
11.441	S.S. Floor Drain 4" x 4"	set	3.00					
11.420	Teflon Tape	roll	3.00					
11.220	PP-R Elbow 90° x 1/2"Ø	pc	3.00					
11.270	PP-R Tee, 1/2"Ø	pc	9.00					
	PP-R Threaded Adapter	pc	10.00					
	Float Valve Big	set	1.00					
	13drums Stainless Water Tank (mirror) with Stand	set	1.00					
	<b>Sub-total</b>							
<b>12.000</b>	<b>Sanitary Works</b>	<b>lot</b>	<b>1.00</b>					
12.070	PVC Sanitary Pipe 2"Ø x 3.0m	pc	3.00					
12.110	PVC Sanitary Elbow 90° x 2"Ø	pc	3.00					
12.270	PVC P-Trap 2"	pc	3.00					
12.300	PVC Cement	can	1.00					
	<b>Sub-total</b>							
<b>13.000</b>	<b>Painting Works</b>	<b>lot</b>	<b>1.00</b>					
13.020	Latex, Flat	gal	2.00					
13.030	Masonry Putty	gal	1.00					
13.080	Enamel, Semi Gloss	gal	1.00					
13.090	Paint Thinner	L	1.00					
13.121	Primer, Red Oxide	gal	1.00					
	<b>Sub-total</b>							
<b>14.000</b>	<b>Tile Works</b>	<b>sq.m.</b>	<b>11.76</b>					
	<b>Counter Top</b>							
14.022	Granite Tiles 60cm x 60cm	pc	43.00					
2.020	Portland Cement	bag	4.00					
14.050	Tile Grout 5 kg/bag	bag	0.25					
14.030	Tile Adhesive 25 kg/bag	bag	4.00					
	<b>Sub-total</b>							
	<b>ELECTRIFICATION</b>							
<b>B</b>	<b>IMPROVEMENT OF COVERED COURT LIGHTINGS</b>							
	200 W HIGH BAY LED LIGHT	set	11.00					
	Prefabricated Anchoring for HIGH BAY LED LIGHT	Assembly	11.00					
10.02	Electrical Conduit uPVC, 25mmØ	pc	20.00					
10.17	5.5 mm² THHN Wire, Stranded	m	195.00					
10.18	14.0 mm² THHN Wire, Stranded	m	60.00					
	<b>Sub-total</b>							
<b>C</b>	<b>PROVISION OF PERIMETER LIGHTINGS</b>							

	Integrated Solar Streetlight Weatherproof 150 Watts Light Output, 250 Watts Solar Panel Output with motion sensor and prefabricated mounting bracket	Assembly	12.00					
	30 Ft. Electrical Steel Pole (3.0 mm)	Assembly	12.00					
	<b>Sub-total</b>							
<b>D</b>	<b>PANEL BOARD</b>							
	6 Branches Panel Board with 40 AT Centermain Circuit Breaker and 15 AT Circuit Breaker, NEMA 3R Enclosure	set	1.00					
	Pull Box	pc	6.00					
10.07	RSC 50mmØ	pc	2.00					
10.11	Entrance Cap 50mm dia.	pc	2.00					
	2 " RSC Coupling	pc	2.00					
	<b>Sub-total</b>							
<b>I.</b>	<b>DIRECT COST</b>							
<b>II.</b>	<b>INDIRECT COST</b> ___ % of (I-Gen. Requirements)							
<b>III.</b>	<b>TAX 5% of (I + II)</b>							
<b>IV.</b>	<b>TOTAL CONSTRUCTION COST (I + II + III)</b>							

Prepared:

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Contractor/Representative