

PROGRAM OF WORKS
BILL OF QUANTITIES
CY 2019 BEFF - REPAIR-CAR-BAGUIO CITY-005

School	: BAKAKENG ELEMENTARY SCHOOL	Date:	August 23,2019			
School I.D	136405	Budget Allocation:	PHP 5,138,713.85			
Region	: CAR	Engineering and Administrative Overhead:				
Division	BAGUIO CITY	Approved Budget for the Contract:	PHP 5,138,713.85			
Project Title		Completion Period:	150 CD			
: REPAIR AND REHABILITATION OF VARIOUS SCHOOL BUILDING (13CL)		Minimum Required Manpower:				
		General Foreman	Welder	Carpenter		
		Helper	Mason	Painter		
Plan	:	Minimum Required Equipment:				
Location	:BAKAKENG,BAGUIO CITY	Hand Tools	Welding Machine			
		One-Bagger Mixer	Bar Cutter			

ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
I. DIRECT COST						
GENERAL REQUIREMENTS						
			lot			
BLDG 2: DECS BLDG 1STY 3 CL (6X8M)						
1.000	Earthworks		cu.m			
2.000	Concreting Works		cu.m			
3.000	Rebar Works		kg			
6.000	Doors and Windows		lot			
8.000	Roofing Works		lot			
9.000	Ceiling and Carpentry Works		bdft			
10.000	Electrical Works		lot			
11.000	Plumbing Works		lot			
12.000	Sanitary Works		lot			
13.000	Painting Works		sqm			
14.000	Tile Works		sqm			
Building 3 : DECS BUILDING 2STY 2CL (6.3X8.3)						
6.000	Doors and Windows		lot			
8.000	Roofing Works		lot			
9.000	Ceiling and Carpentry Works		bdft			
10.000	Electrical Works		lot			
11.000	Plumbing Works		lot			
12.000	Sanitary Works		lot			
13.000	Painting Works		sqm			
14.000	Tile Works		sqm			
Building 6 : DECS BUILDING 2STY 6CL (7.3X8)						
6.000	Doors and Windows		lot			
8.000	Roofing Works		lot			
9.000	Ceiling and Carpentry Works		bdft			
10.000	Electrical Works		lot			
11.000	Plumbing Works		lot			
12.000	Sanitary Works		lot			
13.000	Painting Works		sqm			
14.000	Tile Works		sqm			
Building 5 : DECS BUILDING 2STY 2CL (6X8M)						
5.000	Doors and Windows		lot			
8.000	Roofing Works		lot			
9.000	Ceiling and Carpentry Works		bdft			
10.000	Electrical Works		lot			
11.000	Plumbing Works		lot			
12.000	Sanitary Works		lot			
13.000	Painting Works		sqm			
14.000	Tile Works		sqm			
Sub-Total						
II. INDIRECT COST _____% of (I)						
Overhead Expenses (8%)						
Contingencies (3%)						
Miscellaneous (1%)						
Contractor's Profit (_____ %)						
Sub-Total						
III. TAX 5% of (I+II)						
Sub-Total						
IV. TOTAL CONSTRUCTION COST (I + II + III)						
		100.00%				

Prepared by:

CONTRACTOR
(Name of Firm)

LETTER HEAD

PROGRAM OF WORKS
DETAILED COST ESTIMATE

PROJECT : REPAIR AND REHABILITATION OF VARIOUS SCHOOL BUILDING (13CL)
SCHOOL : BAKAKENG ELEMENTARY SCHOOL
LOCATION : BAKAKENG, BAGUIO CITY
OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Sub-total							
	BLDG 2: DECS BLDG 1STY 3 CL (6X8M)							
1.0000	Earthworks							
1.0200	Structural Excavation	cu.m	21.60					
1.0400	Gravel Bedding G-1	cu.m	21.60					
1.0600	Soil Poisoning	sq m	144.00					
	Sub-total							
2.0000	Concreting Works							
	Slab on Grade	cu.m	6.79					
2.0200	Portland Cement	bag	62.00					
2.0400	Crushed Gravel 1"	cu.m	2.00					
2.0500	Washed Sand	cu.m	4.00					
	Sub-total							
3.0000	Rebar Works							
3.0900	Deformed Round Bars, Grade 33	kg	614.00					
3.1200	G.I. Tie Wire	kg	2.00					
	Sub-total							
6.0000	Doors and Windows							
	Refurbishment of Steel Doors	set	2.00					
6.0100	Removal of Door with Jamb	set	1.00					
6.0200	Removal of Window with Jamb	sq.m	21.74					
6.0320	D-1, Steel Door 0.90m x 2.10m on Steel Door Jamb complete with Accessories (Inclgd lockset)	set	1.00					
6.0500	PVC Door with Complete Accessories	set	3.00					
6.1200	Aluminum Casement Window	sq.m	21.09					
6.1510	Window Grille (WG - 1)	set	9.00					
6.1530	Window Grille (WG - 2)	set	3.00					
	Sub-total							
8.0000	Roofing Works							
8.0100	Removal of Roofing Sheets	sq m	177.33					
8.0200	Removal of Ridge Roll	pc	10.00					
8.0300	Removal of Flashing	pc	6.00					
8.0400	Removal of Gutter	pc	10.00					
8.0500	Removal of Fascia Board	pc	16.00					
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	249.60					
8.0700	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm BMT	pc	14.00					
8.0800	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.4mm BMT	pc	30.00					
8.1000	Teckscrew 2-1/2"	pc	1,418.64					
8.1100	Blind Rivets	pc	440.00					
8.1300	Roof Sealant	L	4.00					
	Sub-total							
9.0000	Ceiling and Carpentry Works							
	Truss,Purlins,Interior and Exterior Ceiling							
9.0070	Removal of Wooden Truss/ Beams	bd.ft	335.70					
9.0080	Removal of Purlins	bd.ft	315.00					
9.0100	Removal of Ceiling	sq.m	218.24					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	1,582.58					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	49.00					
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	32.00					
4.0400	CWN, Assorted	kg	29.00					
9.2200	Concrete Nails	kg	5.00					
9.2100	Finishing Nails	kg	5.00					
9.1900	Wood Preservative	L	7.00					
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	6.00					
9.1420	Fascia Board, Fiber Cement 10" x 12'	pc	20.00					
	Partition Wall	sqm	33.00					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	140.91					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	12.00					
9.2100	Finishing Nails	kg	2.00					
9.2200	Concrete Nails	kg	2.00					

4.0400	CWN, Assorted	kg	3.00					
	Blackboard	sqm	17.28					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	73.79					
9.2000	Lawanit, 1/4" thk	pc	6.00					
9.2100	Finishing Nails	kg	1.00					
9.2200	Concrete Nails	kg	1.00					
4.0400	CWN, Assorted	kg	2.00					
	Sub-total							
10.0000	Electrical Works							
	Roughing-ins							
10.0100	Electrical Conduit uPVC, 15mmØ	pc	65.00					
10.0490	RSC 20mmØ	pc	1.00					
10.0800	Entrance Cap 20mm dia.	pc	1.00					
10.1200	Junction Box, 4" x 4" G.I.	pc	18.00					
10.1300	Utility Box, 2" x 4" G.I.	pc	12.00					
10.1400	Grounding Rod, 2.4m x 16mm dia.	pc	1.00					
	Wires & Fixtures							
10.1600	3.5 mm² THHN Wire, Stranded	m	468.00					
10.2300	5.5 mm² TW(G) Wire, Stranded	m	10.00					
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	6.00					
10.3200	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	3.00					
10.2900	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	3.00					
10.3610	FL 1 x 40W Industrial Type	set	12.00					
10.3800	Panel Box, Flush Type, 8 Branches	set	1.00					
10.4300	Circuit Breaker, 40A 2P	set	3.00					
10.4100	Circuit Breaker, 20A 2P	set	3.00					
10.5500	Electrical Tape	pc	3.00					
10.5600	Incandescent Bulb 50W	set	4.00					
10.5700	Ceiling Receptacle 3-1/2"Ø	pc	4.00					
	Sub-total							
11.0000	Plumbing Works							
11.0200	Water Closet 1.6gpf with Accessories	set	3.00					
11.0610	Lavatory, Including Fittings and Accessories	set	3.00					
11.1000	PP-R Pipe 3/4"Ø x 4.0m	pc	6.00					
11.1500	PP-R Coupling, 3/4"Ø	pc	8.00					
11.2100	PP-R Elbow 90° x 3/4"Ø	pc	6.00					
11.3800	Gate Valve, 3/4"Ø	pc	1.00					
11.4410	S.S. Floor Drain 4" x 4"	set	3.00					
11.4500	Mirror	sq.ft	15.00					
	Sub-total							
12.0000	Sanitary Works							
12.0100	Catch Basin	unit	8.00					
12.0600	PVC Sanitary Pipe 3"Ø x 3.0m	pc	12.00					
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	4.00					
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	4.00					
12.1000	PVC Sanitary Elbow 90° x 3"Ø	pc	16.00					
12.0900	PVC Sanitary Elbow 90° x 4"Ø	pc	2.00					
12.1100	PVC Sanitary Elbow 90° x 2"Ø	pc	3.00					
12.2000	PVC Sanitary Wye Reducer 4" x 2"	pc	2.00					
12.2400	Brass Cleanout 4" x 4"	pc	3.00					
12.2500	Brass Cleanout 2" x 2"	pc	3.00					
12.2600	PVC P-Trap 4"	pc	3.00					
12.2700	PVC P-Trap 2"	pc	3.00					
12.2800	Closet Bend, 4"	pc	1.00					
12.3000	PVC Cement	can	3.00					
	Sub-total							
13.0000	Painting Works							
	Concrete Surfaces	sqm	391.41					
13.0100	Neutralizer	gal	5.00					
13.0200	Latex, Flat	gal	16.00					
13.0400	Latex, Semi Gloss	gal	16.00					
13.0300	Masonry Putty	gal	20.00					
13.0500	Acri Color	qrt	4.00					
	Wood Surfaces	sqm	255.36					
13.0600	Enamel, Flatwall	gal	13.00					
13.0800	Enamel, Semi Gloss	gal	13.00					
13.0700	Glazing Putty	gal	11.00					
13.0900	Paint Thinner	L	7.00					
	Sub-total							
14.0000	Tile Works							
	Classroom Flooring	sqm	127.68					
14.0600	Unglazed Floor Tiles 40cm x 40cm	pc	798.00					
14.0300	Tile Adhesive 25 kg/bag	bag	23.00					
14.0500	Tile Grout 5 kg/bag	bag	10.00					
	Sub-total							

Building 3 : DECS BUILDING 2STY 2CL (6.3X8.3)

6.0000	Doors and Windows							
	Refurbishment of Steel Doors	set	2.00					
6.0200	Removal of Window with Jamb	sq.m	17.52					
6.0500	PVC Door with Complete Accessories	set	2.00					
6.1200	Aluminum Casement Window	sq.m	16.20					
6.1510	Window Grille (WG - 1)	set	9.00					
	Sub-total							
8.0000	Roofing Works							
8.0100	Removal of Roofing Sheets	sq m	67.20					

8.0300	Removal of Flashing	pc	12.00					
8.0400	Removal of Gutter	pc	10.00					
8.0500	Removal of Fascia Board	pc	12.00					
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	132.20					
8.0800	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.4mm BMT	pc	12.00					
8.1400	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	10.00					
8.1000	Teckscrew 2-1/2"	pc	537.61					
8.1100	Blind Rivets	pc	220.00					
8.1300	Roof Sealant	L	3.00					
	Sub-total							
9.0000	Ceiling and Carpentry Works							
	Truss,Purlins,Interior and Exterior Ceiling							
9.0070	Removal of Wooden Truss/ Beams	bd.ft	315.00					
9.0080	Removal of Purlins	bd.ft	224.00					
9.0100	Removal of Ceiling	sq.m	132.40					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	1,118.00					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	33.00					
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	13.00					
4.0400	CWN, Assorted	kg	21.00					
9.2200	Concrete Nails	kg	3.00					
9.2100	Finishing Nails	kg	3.00					
9.1900	Wood Preservative	L	5.00					
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	4.00					
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	12.00					
	T&G Flooring	sqm	48.00					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	210.00					
9.2300	T&G 3/4" x 4"	bdf	460.79					
9.2100	Finishing Nails	kg	8.00					
4.0400	CWN, Assorted	kg	4.00					
9.2200	Concrete Nails	kg	20.00					
9.1900	Wood Preservative	L	7.00					
	Blackboard	sqm	5.76					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	36.58					
9.2000	Lawanit, 1/4" thk	pc	4.00					
9.2100	Finishing Nails	kg	1.00					
9.2200	Concrete Nails	kg	1.00					
4.0400	CWN, Assorted	kg	9.00					
	Sub-total							
10.0000	Electrical Works							
	Roughing-ins							
10.0100	Electrical Conduit uPVC, 15mmØ	pc	42.00					
10.0490	RSC 20mmØ	pc	1.00					
10.0800	Entrance Cap 20mm dia.	pc	1.00					
10.1200	Junction Box, 4" x 4" G.I.	pc	30.00					
10.1300	Utility Box, 2" x 4" G.I.	pc	30.00					
10.1400	Grounding Rod, 2.4m x 16mm dia.	pc	1.00					
	Wires & Fixtures							
10.1600	3.5 mm² THHN Wire, Stranded	m	378.00					
10.1700	5.5 mm² THHN Wire, Stranded	m	10.00					
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	8.00					
10.2900	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	4.00					
10.3100	2 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	4.00					
10.3620	FL 2 x 40W Industrial Type	set	8.00					
10.3610	FL 1 x 40W Industrial Type	set	2.00					
10.5600	Incandescent Bulb 50W	set	2.00					
10.5700	Ceiling Receptacle 3-1/2"Ø	pc	2.00					
10.3800	Panel Box, Flush Type, 8 Branches	set	1.00					
10.4300	Circuit Breaker, 40A 2P	set	2.00					
10.4100	Circuit Breaker, 20A 2P	set	4.00					
10.5400	Wall Fan, 60W, 230V, 60Hz	set	4.00					
10.5500	Electrical Tape	pc	2.00					
	Sub-total							
11.0000	Plumbing Works							
11.0200	Water Closet 1.6gpf with Accessories	set	2.00					
11.0600	Lavatory, Pedestal Type with Accessories	set	2.00					
11.1000	PP-R Pipe 3/4"Ø x 4.0m	pc	4.00					
11.1500	PP-R Coupling, 3/4"Ø	pc	8.00					
11.2100	PP-R Elbow 90° x 3/4"Ø	pc	4.00					
11.3800	Gate Valve, 3/4"Ø	pc	2.00					
11.4410	S.S. Floor Drain 4" x 4"	set	2.00					
11.4500	Mirror	sq.ft	10.00					
	Sub-total							
12.0000	Sanitary Works							
12.0100	Catch Basin	unit	6.00					
12.0600	PVC Sanitary Pipe 3"Ø x 3.0m	pc	6.00					
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	3.00					
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	3.00					
12.1000	PVC Sanitary Elbow 90° x 3"Ø	pc	12.00					
12.0900	PVC Sanitary Elbow 90° x 4"Ø	pc	6.00					
12.1100	PVC Sanitary Elbow 90° x 2"Ø	pc	2.00					

12.2000	PVC Sanitary Wye Reducer 4" x 2"	pc	1.00					
12.2400	Brass Cleanout 4" x 4"	pc	1.00					
12.2500	Brass Cleanout 2" x 2"	pc	1.00					
12.2600	PVC P-Trap 4"	pc	1.00					
12.2700	PVC P-Trap 2"	pc	1.00					
12.2800	Closet Bend, 4"	pc	1.00					
12.3000	PVC Cement	can	2.00					
	Sub-total							
13.0000	Painting Works							
	Concrete Surfaces	sqm	311.96					
13.0100	Neutralizer	gal	4.00					
13.0200	Latex, Flat	gal	13.00					
13.0400	Latex, Semi Gloss	gal	13.00					
13.0300	Masonry Putty	gal	26.00					
13.0500	Acri Color	qrt	4.00					
	Wood Surfaces	sqm	125.28					
13.0600	Enamel, Flatwall	gal	7.00					
13.0800	Enamel, Semi Gloss	gal	7.00					
13.0700	Glazing Putty	gal	6.00					
13.0900	Paint Thinner	L	4.00					
	T&G surfaces	sq.m	48.00					
	Sanding Sealer	gal	2.00					
	Oil Wood Stain - 2 coats	gal	4.00					
	Polyurethane Wood Varnish - 2 coats	gal	4.00					
	Sub-total							
14.0000	Tile Works							
	Classroom Flooring	sqm	48.00					
14.0220	Unglazed Floor Tiles 60cm x 60cm	pc	134.00					
14.0300	Tile Adhesive 25 kg/bag	bag	9.00					
14.0500	Tile Grout 5 kg/bag	bag	4.00					
	Sub-total							
Building 6 : DECS BUILDING 2STY 6CL (7.3X8)								
6.0000	Doors and Windows							
	Refurbishment of Steel Doors	set	6.00					
6.0200	Removal of Window with Jamb	sq.m	17.52					
6.0500	PVC Door with Complete Accessories	set	6.00					
6.1200	Aluminum Casement Window	sq.m	31.86					
6.1530	Window Grille (WG - 3)	set	48.00					
	Sub-total							
8.0000	Roofing Works							
8.0100	Removal of Roofing Sheets	sq m	266.76					
8.0300	Removal of Flashing	pc	12.00					
8.0400	Removal of Gutter	pc	22.00					
8.0500	Removal of Fascia Board	pc	28.00					
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	322.40					
8.0800	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.4mm BMT	pc	12.00					
8.1400	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	22.00					
8.1000	Teckscrew 2-1/2"	pc	2,134.11					
8.1100	Blind Rivets	pc	340.00					
8.1300	Roof Sealant	L	3.00					
	Sub-total							
9.0000	Ceiling and Carpentry Works							
	Truss,Purlins,Interior and Exterior Ceiling							
9.0070	Removal of Wooden Truss/ Beams	bd.ft	447.30					
9.0080	Removal of Purlins	bd.ft	661.25					
9.0100	Removal of Ceiling	sq.m	420.96					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	2,948.14					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	38.00					
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	27.00					
4.0400	CWN, Assorted	kg	54.00					
9.2200	Concrete Nails	kg	4.00					
9.2100	Finishing Nails	kg	4.00					
9.1900	Wood Preservative	L	93.00					
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	8.00					
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	26.00					
	T&G Flooring	sqm	292.50					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	767.40					
9.2300	T&G 3/4" x 4"	bdf	1,604.54					
9.2100	Finishing Nails	kg	44.00					
4.0400	CWN, Assorted	kg	14.00					
9.2200	Concrete Nails	kg	20.00					
9.1900	Wood Preservative	L	24.00					
	Patition Wall	sqm	64.80					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	283.18					

9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	44.00				
4.0400	CWN, Assorted	kg	6.00				
9.2200	Concrete Nails	kg	3.00				
9.2100	Finishing Nails	kg	3.00				
9.1900	Wood Preservative	L	9.00				
	Blackboard	sqm	34.56				
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	219.46				
9.2000	Lawanit, 1/4" thk	pc	12.00				
9.2100	Finishing Nails	kg	1.00				
9.2200	Concrete Nails	kg	1.00				
4.0400	CWN, Assorted	kg	4.00				
	Sub-total						
10.0000	Electrical Works						
	Roughing-ins						
10.0100	Electrical Conduit uPVC, 15mmØ	pc	144.00				
10.0500	RSC 25mmØ	pc	1.00				
10.0900	Entrance Cap 25mm dia.	pc	1.00				
10.1200	Junction Box, 4" x 4" G.I.	pc	42.00				
10.1300	Utility Box, 2" x 4" G.I.	pc	42.00				
10.1400	Grounding Rod, 2.4m x 16mm dia.	pc	1.00				
	Wires & Fixtures						
10.1600	3.5 mm² THHN Wire, Stranded	m	1,555.20				
10.1900	30.0 mm² THHN Wire, Stranded	m	10.00				
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	18.00				
10.2900	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	3.00				
10.3100	2 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	11.00				
10.3620	FL 2 x 40W Industrial Type	set	26.00				
10.3610	FL 1 x 40W Industrial Type	set	12.00				
	Incandescent Bulb 50W	set	6.00				
	Ceiling Receptacle 3-1/2"Ø	pc	6.00				
10.3800	Panel Box, Flush Type, 8 Branches	set	2.00				
10.4100	Circuit Breaker, 20A 2P	set	9.00				
10.4300	Circuit Breaker, 40A 2P	set	6.00				
10.5500	Electrical Tape	pc	6.00				
10.5400	Wall Fan, 60W, 230V, 60Hz	set	6.00				
	Sub-total						
11.0000	Plumbing Works						
11.0200	Water Closet 1.6gpf with Accessories	set	6.00				
11.0600	Lavatory, Pedestal Type with Accessories	set	6.00				
11.0500	Faucet, Hose Bibb, Brass 1/2"Ø	pc	6.00				
11.0100	Water Closet Flange	set	6.00				
11.1000	PP-R Pipe 3/4"Ø x 4.0m	pc	5.00				
11.1500	PP-R Coupling, 3/4"Ø	pc	12.00				
11.2100	PP-R Elbow 90° x 3/4"Ø	pc	12.00				
11.1700	PP-R Coupling Reducer, 1" x 3/4"Ø	pc	6.00				
11.1100	PP-R Pipe 1/2"Ø x 4.0m	pc	4.00				
11.2200	PP-R Elbow 90° x 1/2"Ø	pc	10.00				
11.1600	PP-R Coupling, 1/2"Ø	pc	20.00				
11.2700	PP-R Tee, 1/2"Ø	pc	8.00				
11.4000	Check Valve, Horizontal, 3/4"Ø	pc	10.00				
11.4100	Check Valve, Horizontal, 1/2"Ø	pc	1.00				
11.4410	S.S. Floor Drain 4" x 4"	set	6.00				
11.4500	Mirror	sq.ft	18.00				
	Sub-total						
12.0000	Sanitary Works						
12.0100	Catch Basin	unit	8.00				
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	6.00				
12.1300	PVC Sanitary Elbow 1/8 x 4"Ø	pc	3.00				
12.0900	PVC Sanitary Elbow 90° x 4"Ø	pc	4.00				
12.1600	PVC Sanitary Wye 4" x 4"	pc	4.00				
12.2110	PVC Sanitary Tee 4" x 4"	pc	5.00				
12.2000	PVC Sanitary Wye Reducer 4" x 2"	pc	6.00				
12.2300	Brass Cleanout 6" x 6"	pc	4.00				
12.2400	Brass Cleanout 4" x 4"	pc	3.00				
12.1100	PVC Sanitary Elbow 90° x 2"Ø	pc	12.00				
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	12.00				
12.1800	PVC Sanitary Wye 2" x 2"	pc	4.00				
12.2200	PVC Sanitary Tee 2" x 2"	pc	6.00				
12.2700	PVC P-Trap 2"	pc	6.00				
12.0600	PVC Sanitary Pipe 3"Ø x 3.0m	pc	24.00				
12.1000	PVC Sanitary Elbow 90° x 3"Ø	pc	24.00				
12.3000	PVC Cement	can	4.00				
	Sub-total						
13.0000	Painting Works						
	Concrete Surfaces	sqm	673.68				
13.0100	Neutralizer	gal	9.00				
13.0200	Latex, Flat	gal	27.00				
13.0400	Latex, Semi Gloss	gal	27.00				
13.0300	Masonry Putty	gal	57.00				
13.0500	Acri Color	qrt	7.00				
	Wood Surfaces	sqm	562.82				
13.0600	Enamel, Flatwall	gal	29.00				
13.0800	Enamel, Semi Gloss	gal	29.00				
13.0700	Glazing Putty	gal	23.00				
13.0900	Paint Thinner	L	15.00				
	T&G surfaces	sq.m	292.50				

	Sanding Sealer	gal	12.00				
	Oil Wood Stain - 2 coats	gal	20.00				
	Polyurethane Wood Varnish - 2 coats	gal	20.00				
	Sub-total						
14.0000	Tile Works						
	T&B Flooring	sqm	15.12				
14.0210	Unglazed Floor Tiles 20cm x 20cm	pc	378.00				
14.0300	Tile Adhesive 25 kg/bag	bag	3.00				
14.0500	Tile Grout 5 kg/bag	bag	2.00				
	Classroom Flooring	sqm	127.68				
14.0600	Unglazed Floor Tiles 40cm x 40cm	pc	798.00				
14.0300	Tile Adhesive 25 kg/bag	bag	23.00				
14.0500	Tile Grout 5 kg/bag	bag	10.00				
	Sub-total						
Building 5 : DECS BUILDING 2STY 2CL (6X6M)							
6.0000	Doors and Windows						
	Refurbishment of Doors	set	4.00				
6.0200	Removal of Window with Jamb	sq.m	6.50				
6.0500	PVC Door with Complete Accessories	set	2.00				
6.1200	Aluminum Casement Window	sq.m	7.94				
6.1500	Security Grilles	sqft	83.57				
	Sub-total						
8.0000	Roofing Works						
8.0100	Removal of Roofing Sheets	sq m	67.20				
8.0300	Removal of Flashing	pc	12.00				
8.0400	Removal of Gutter	pc	10.00				
8.0500	Removal of Fascia Board	pc	12.00				
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	132.20				
8.0800	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.4mm BMT	pc	12.00				
8.1400	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	10.00				
8.1000	Teckscrew 2-1/2"	pc	1,057.60				
8.1100	Blind Rivets	pc	220.00				
8.1300	Roof Sealant	L	3.00				
	Sub-total						
9.0000	Ceiling and Carpentry Works						
	Interior and Exterior Ceiling						
9.0100	Removal of Ceiling	sq.m	123.44				
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	539.43				
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	33.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	10.00				
4.0400	CWN, Assorted	kg	10.00				
9.2200	Concrete Nails	kg	3.00				
9.2100	Finishing Nails	kg	3.00				
9.1900	Wood Preservative	L	17.00				
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	4.00				
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	12.00				
	T&G Flooring	sqm	48.00				
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	147.00				
9.2300	T&G 3/4" x 4"	bdft	394.96				
9.2100	Finishing Nails	kg	8.00				
4.0400	CWN, Assorted	kg	3.00				
9.2200	Concrete Nails	kg	20.00				
9.1900	Wood Preservative	L	5.00				
	Blackboard	sqm	11.52				
9.1700	Rough Lumber, Sun Dried, Tanguile or	bd.ft	74.00				
9.2000	Lawanit, 1/4" thk	pc	4.00				
9.2100	Finishing Nails	kg	1.00				
9.2200	Concrete Nails	kg	2.00				
4.0400	CWN, Assorted	kg	1.00				
	Sub-total						
10.0000	Electrical Works						
	Roughing-ins						
10.0100	Electrical Conduit uPVC, 15mmØ	pc	42.00				
10.0490	RSC 20mmØ	pc	1.00				
10.0800	Entrance Cap 20mm dia.	pc	1.00				
10.1200	Junction Box, 4" x 4" G.I.	pc	30.00				
10.1300	Utility Box, 2" x 4" G.I.	pc	30.00				
10.1400	Grounding Rod, 2.4m x 16mm dia.	pc	1.00				
	Wires & Fixtures						
10.1600	3.5 mm² THHN Wire, Stranded	m	378.00				
10.1700	5.5 mm² THHN Wire, Stranded	m	10.00				
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	6.00				
10.2900	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	2.00				
10.3100	2 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	2.00				
10.3620	FL 2 x 40W Industrial Type	set	12.00				
10.3610	FL 1 x 40W Industrial Type	set	2.00				
	Incandescent Bulb 50W	set	2.00				
	Ceiling Receptacle 3-1/2"Ø	pc	2.00				
10.3800	Panel Box, Flush Type, 8 Branches	set	1.00				

10.4300	Circuit Breaker, 40A 2P	set	2.00					
10.4100	Circuit Breaker, 20A 2P	set	3.00					
10.5400	Wall Fan, 60W, 230V, 60Hz	set	4.00					
10.5500	Electrical Tape	pc	2.00					
	Sub-total							
11.0000	Plumbing Works							
11.0200	Water Closet 1.6gpf with Accessories	set	2.00					
11.0600	Lavatory, Pedestal Type with Accessories	set	2.00					
11.1000	PP-R Pipe 3/4"Ø x 4.0m	pc	4.00					
11.1500	PP-R Coupling, 3/4"Ø	pc	8.00					
11.2100	PP-R Elbow 90° x 3/4"Ø	pc	4.00					
11.3800	Gate Valve, 3/4"Ø	pc	2.00					
11.4410	S.S. Floor Drain 4" x 4"	set	2.00					
11.4500	Mirror	sq.ft	3.60					
	Sub-total							
12.0000	Sanitary Works							
12.0100	Catch Basin	unit	4.00					
12.0600	PVC Sanitary Pipe 3"Ø x 3.0m	pc	4.00					
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	3.00					
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	2.00					
12.1000	PVC Sanitary Elbow 90° x 3"Ø	pc	8.00					
12.0900	PVC Sanitary Elbow 90° x 4"Ø	pc	6.00					
12.1100	PVC Sanitary Elbow 90° x 2"Ø	pc	2.00					
12.2000	PVC Sanitary Wye Reducer 4" x 2"	pc	1.00					
12.2400	Brass Cleanout 4" x 4"	pc	1.00					
12.2500	Brass Cleanout 2" x 2"	pc	1.00					
12.2600	PVC P-Trap 4"	pc	1.00					
12.2700	PVC P-Trap 2"	pc	1.00					
12.2800	Closet Bend, 4"	pc	1.00					
12.3000	PVC Cement	can	2.00					
	Sub-total							
13.0000	Painting Works							
	Concrete Surfaces	sqm	343.79					
13.0100	Neutralizer	gal	5.00					
13.0200	Latex, Flat	gal	18.00					
13.0400	Latex, Semi Gloss	gal	18.00					
13.0300	Masonry Putty	gal	18.00					
13.0500	Acri Color	qrt	5.00					
	Wood Surfaces	sqm	134.96					
13.0600	Enamel, Flatwall	gal	7.00					
13.0800	Enamel, Semi Gloss	gal	7.00					
13.0700	Glazing Putty	gal	7.00					
13.0900	Paint Thinner	L	6.00					
	T&G surfaces	sq.m	48.00					
	Sanding Sealer	gal	2.00					
	Oil Wood Stain - 2 coats	gal	4.00					
	Polyurethane Wood Varnish - 2 coats	gal	4.00					
	Sub-total							
14.0000	Tile Works							
	T&B Flooring	sqm	1.80					
14.0210	Unglazed Floor Tiles 20cm x 20cm	pc	45.00					
14.0300	Tile Adhesive 25 kg/bag	bag	1.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	Classroom Flooring	sqm	42.56					
14.0600	Unglazed Floor Tiles 40cm x 40cm	pc	266.00					
14.0300	Tile Adhesive 25 kg/bag	bag	8.00					
14.0500	Tile Grout 5 kg/bag	bag	4.00					
	Sub-total							
	DIRECT COST							
	INDIRECT COST ____ % of (I)							
	TAX 5% of (I + II)							
	TOTAL CONSTRUCTION COST (I + II + III)							

Prepared By:

CONTRACTOR
(Name of Firm)