

(CONTRACTOR'S LETTERHEAD)

PROGRAM OF WORKS  
BILL OF QUANTITIES  
REPAIR 2019 -CAR-BAGUIO CITY-009

School : JOSE P. LAUREL ELEMENTARY SCHOOL			Date:			
School I.D : 136411			Budget Allocation: PHP 5,149,664.90			
Region : CAR			Engineering and Administrative Overhead:			
Division BAGUIO CITY			Approved Budget for the Contract: PHP 5,149,664.90			
Project Title			Completion Period: 150 CD			
: REPAIR AND REHABILITATION OF VARIOUS SCHOOL BUILDING (12CL)			Minimum Required Manpower:			
			General Foreman	Welder	Carpenter	
			Helper	Mason	Painter	
			Project Engineer			
			Minimum Required Equipment:			
Plan :			Hand Tools			
Location :DAGSIAN,BAGUIO CITY			Power Tools			
ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
	GENERAL REQUIREMENTS		lot	1.00		
BLDG 1: BAGONG LIPUNAN 1STY 3 CL (6X8M)						
6.000	Doors and Windows		lot	1.00		
8.000	Roofing Works		lot	1.00		
9.000	Ceiling and Carpentry Works		bdft	2,390.90		
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		sqm	532.55		
13.121	Tile Works		sqm	134.40		
Building 3 : Bagong Lipunan 1STY 2CL (8X6)						
6.000	Doors and Windows		lot	1.00		
8.000	Roofing Works		lot	1.00		
9.000	Ceiling and Carpentry Works		bdft	1,775.74		
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		sqm	517.90		
14.000	Tile Works		sqm	143.58		
Building 5 : HE AND INDUSTRIAL BUILDING 2STY 2CL (6X8M)						
6.000	Doors and Windows		lot	1.00		
8.000	Roofing Works		lot	1.00		
9.000	Ceiling and Carpentry Works		bdft	402.00		
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		sqm	563.02		
14.000	Tile Works		sqm	90.14		
BAGONG LIPUNAN BUILDING (1STOREY 3CLASSROOM)						
3.000	Rebar Works		lot	1.00		
5.000	Masonry Works		sq.m.	33.84		



6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
8.000	Roofing Works		sq.m.	248.75		
9.000	Ceiling and Carpentry Works		sq.m.	358.14		
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.	631.70		
14.000	Tile Works		sq.m.	153.11		
ESF BUILDING (1STOREY 2CLASSROOM, 6x8M)						
6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
14.000	Tile Works		sq.m.	89.06		
COMPUTER ROOM (8.7x5.8M)						
6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
9.000	Ceiling and Carpentry Works		sq.m.	56.22		
10.000	Electrical Works		lot	1.00		
13.000	Painting Works		sq.m.	171.78		
14.000	Tile Works		sq.m.	50.46		
	Sub-Total					
	II. INDIRECT COST _____% of (I-Gen.Requirements)					
	Overhead Expenses (5%)					
	Contingencies (3%)					
	Miscellaneous (1%)					
	Contractor's Profit (____%)					
	Sub-Total					
	III. TAX 5% of (I+II)					
	Sub-Total					
	IV. TOTAL CONSTRUCTION COST (I + II + III)					

Prepared by:

\_\_\_\_\_  
(Contractor/Representative)



(Contractor's Letterhead)

**PROGRAM OF WORKS**  
**DETAILED COST ESTIMATE**

PROJECT : REPAIR AND REHABILITATION OF VARIOUS SCHOOL BUILDING (12CL)  
SCHOOL : JOSE P. LAUREL ELEMENTARY SCHOOL  
LOCATION :DAGSIAN,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>							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	<b>Sub-total</b>							
<b>BLDG 1: BAGONG LIPUNAN 1STY 3 CL (6X8M)</b>								
<b>6.0000</b>	<b>Doors and Windows</b>							
6.0100	Removal of Door with Jamb	set	3.00					
6.0200	Removal of Window with Jamb	sq.m	18.15					
6.1200	Aluminum Casement Window	sqm	18.15					
6.1500	Security Grilles	580.00	195.29					
6.0320	D-1, Steel Door 0.90m x 2.10m on Steel Door Jamb complete with Accessories (Inclgd lockset)	set	3.00					
6.0500	PVC Door with Complete Accessories	set	3.00					
	<b>Sub-total</b>							
<b>8.0000</b>	<b>Roofing Works</b>							
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	237.12					
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					
	<b>Sub-total</b>							
<b>9.0000</b>	<b>Ceiling and Carpentry Works</b>							
	<b>Truss,Purlins,Interior and Exterior Ceiling</b>							
9.0070	Removal of Wooden Truss/ Beams	bd.ft	783.30					
9.0080	Removal of Purlins	bd.ft	437.01					
9.0100	Removal of Ceiling	sq.m	224.46					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	2,178.75					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	49.00					
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	28.00					
4.0400	CWN, Assorted	kg	40.00					
9.2200	Concrete Nails	kg	5.00					
9.2100	Finishing Nails	kg	5.00					
9.1900	Wood Preservative	L	8.00					



9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	12.00						
9.1420	Fascia Board, Fiber Cement 10" x 12'	pc	20.00						
	<b>Partition Wall</b>	<b>sqm</b>	<b>32.00</b>						
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	136.64						
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	22.00						
4.0400	CWN, Assorted	kg	3.00						
9.2200	Concrete Nails	kg	8.00						
9.2100	Finishing Nails	kg	8.00						
9.1900	Wood Preservative	L	5.00						
	<b>Blackboard</b>	<b>sqm</b>	<b>17.28</b>						
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	75.51						
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						
	<b>Sub-total</b>								
<b>10.0000</b>	<b>Electrical Works</b>								
	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						
	<b>Wires &amp; Fixtures</b>								
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	12.00						
10.3200	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	a	3.00						
10.2900	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	6.00						
10.3620	FL 2 x 40W Industrial Type	set	18.00						
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	4.00						
10.5500	Electrical Tape	pc	3.00						
10.5400	Wall Fan, 60W, 230V, 60Hz	set	6.00						
10.5600	Incandescent Bulb 50W	set	6.00						
10.5700	Ceiling Receptacle 3-1/2"Ø	pc	6.00						
	<b>Sub-total</b>								
<b>11.0000</b>	<b>Plumbing Works</b>								
11.0200	Water Closet 1.6gpf with Accessories	set	3.00						
11.0610	Lavatory, Including Fittings and Accessories	set	3.00						
11.0410	Faucet, Lavatory	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						
11.4200	Teflon Tape	roll	2.00						
11.4500	Mirror	sq.ft	5.40						
	<b>Sub-total</b>								
<b>12.0000</b>	<b>Sanitary Works</b>								
11.4500	Mirror	sq.ft	8.00						
12.0400	PVC Sanitary Pipe 6"Ø x 3.0m	pc	12.00						
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	4.00						
12.0800	PVC Sanitary Elbow 90° x 6"Ø	pc	16.00						



12.0710	PVC Sanitary Pipe 1"Ø x 3.0m	pc	2.00						
12.0900	PVC Sanitary Elbow 90° x 4"Ø	pc	3.00						
12.1800	PVC Sanitary Wye 2" x 2"	pc	2.00						
12.2210	PVC Sanitary Tee Reducer 4" x 2"	pc	3.00						
12.2300	Brass Cleanout 6" x 6"	pc	3.00						
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	1.00						
12.2800	Closet Bend, 4"	pc	3.00						
	<b>Sub-total</b>								
<b>13.0000</b>	<b>Painting Works</b>								
	<b>Concrete Surfaces</b>	<b>sqm</b>	<b>245.19</b>						
13.0100	Neutralizer	gal	4.00						
13.0200	Latex, Flat	gal	10.00						
13.0400	Latex, Semi Gloss	gal	10.00						
13.0300	Masonry Putty	gal	13.00						
13.0500	Acri Color	qrt	3.00						
	<b>Wood Surfaces</b>	<b>sqm</b>	<b>287.36</b>						
13.0400	Latex, Semi Gloss	gal	15.00						
13.0600	Enamel, Flatwall	gal	15.00						
13.0500	Acri Color	qrt	12.00						
13.0700	Glazing Putty	gal	8.00						
	<b>Sub-total</b>								
<b>13.1210</b>	<b>Tile Works</b>								
	<b>T&amp;B Flooring</b>	<b>sqm</b>	<b>6.72</b>						
14.0120	Glazed Wall Tiles 60cm x 60cm	pc	168.00						
14.0300	Tile Adhesive 25 kg/bag	bag	2.00						
14.0500	Tile Grout 5 kg/bag	bag	1.00						
	<b>Classroom Flooring</b>	<b>sqm</b>	<b>127.68</b>						
14.0600	Unglazed Floor Tiles 40cm x 40cm	pc	798.00						
14.0210	Unglazed Floor Tiles 20cm x 20cm	pc	23.00						
14.0300	Tile Adhesive 25 kg/bag	bag	10.00						
	<b>Sub-total</b>								
<b>Building 3 : Bagong Lipunan 1STY 2CL (8X6)</b>									
<b>6.0000</b>	<b>Doors and Windows</b>								
6.0100	Removal of Door with Jamb	set	3.00						
6.0200	Removal of Window with Jamb	sq.m	30.83						
6.1200	Aluminum Casement Window	sqm	30.83						
6.1500	Security Grilles	sqft	331.71						
6.0310	D-1, Steel Door 1.0m x 2.10m on Steel Door Jamb complete with Accessories (Inclg lockset)	set	3.00						
6.0500	PVC Door with Complete Accessories	set	3.00						
	<b>Sub-total</b>								
<b>8.0000</b>	<b>Roofing Works</b>								
8.0100	Removal of Roofing Sheets	sq m	244.20						
8.0200	Removal of Ridge Roll	pc	9.00						
8.0300	Removal of Flashing	pc	12.00						
8.0400	Removal of Gutter	pc	16.00						
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	9.00						
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	16.00						
8.1000	Teckscrew 2-1/2"	pc	1,953.62						
8.1100	Blind Rivets	pc	280.00						
8.1300	Roof Sealant	L	3.00						
	<b>Sub-total</b>								
<b>9.0000</b>	<b>Ceiling and Carpentry Works</b>								
	<b>Truss,Purlins,Interior and Exterior Ceiling</b>								
9.0070	Removal of Wooden Truss/ Beams	bd.ft	238.37						
9.0080	Removal of Purlins	bd.ft	417.91						



9.0100	Removal of Ceiling	sq.m	199.37					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	1,527.52					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	51.00					
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	15.00					
4.0400	CWN, Assorted	kg	28.00					
9.2200	Concrete Nails	kg	4.00					
9.2100	Finishing Nails	kg	4.00					
9.1900	Wood Preservative	L	48.00					
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	6.00					
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	27.00					
	<b>Partition Wall</b>	<b>sqm</b>	<b>39.52</b>					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	172.70					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	14.00					
9.2100	Finishing Nails	kg	1.00					
9.2200	Concrete Nails	kg	1.00					
4.0400	CWN, Assorted	kg	4.00					
	<b>Blackboard</b>	<b>sqm</b>	<b>17.28</b>					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	75.51					
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					
	<b>Sub-total</b>							
<b>10.0000</b>	<b>Electrical Works</b>							
	<b>Roughing-ins</b>							
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					
	<b>Wires &amp; Fixtures</b>							
10.1600	3.5 mm² THHN Wire, Stranded	m	648.00					
10.1700	5.5 mm² THHN Wire, Stranded	m	10.00					
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	6.00					
10.3200	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					
10.3620	FL 2 x 40W Industrial Type	set	12.00					
10.3700	Panel Box, Flush Type, 4 Branches	set	1.00					
10.4300	Circuit Breaker, 40A 2P	set	1.00					
10.4100	Circuit Breaker, 20A 2P	set	3.00					
10.5500	Electrical Tape	pc	1.00					
10.5400	Wall Fan, 60W, 230V, 60Hz	set	4.00					
10.5600	Incandecent Bulb	set	6.00					
10.5700	Ceiling Receptacle	pc	6.00					
	<b>Sub-total</b>							
<b>11.0000</b>	<b>Plumbing Works</b>							
11.0200	Water Closet 1.6gpf with Accessories	set	3.00					
11.0610	Lavatory, Including Fittings and Accessories	set	3.00					
11.0410	Faucet, Lavatory	set	3.00					
11.1000	PP-R Pipe 3/4"Ø x 4.0m	pc	3.00					
11.1500	PP-R Coupling, 3/4"Ø	pc	3.00					
11.2100	PP-R Elbow 90° x 3/4"Ø	pc	6.00					
11.3800	Gate Valve, 3/4"Ø	pc	4.00					
11.4410	S.S. Floor Drain 4" x 4"	set	4.00					
11.4500	Mirror	sq.ft	3.00					
	<b>Sub-total</b>							
<b>12.0000</b>	<b>Sanitary Works</b>							



12.0100	Catch Basin	unit	8.00						
12.1110	PVC Sanitary Elbow 90° x 1"Ø	pc	3.00						
12.0710	PVC Sanitary Pipe 1"Ø x 3.0m	pc	4.00						
12.1410	PVC Sanitary Elbow 1/8 x 2"Ø	pc	4.00						
12.2000	PVC Sanitary Wye Reducer 4" x 2"	pc	5.00						
12.1800	PVC Sanitary Wye 2" x 2"	pc	6.00						
12.2200	PVC Sanitary Tee 2" x 2"	pc	4.00						
12.2210	PVC Sanitary Tee Reducer 4" x 2"	pc	3.00						
12.0900	PVC Sanitary Elbow 90° x 4"Ø	pc	4.00						
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	4.00						
12.1600	PVC Sanitary Wye 4" x 4"	pc	2.00						
12.2100	PVC Sanitary Tee 6" x 6"	pc	3.00						
12.2500	Brass Cleanout 2" x 2"	pc	3.00						
12.0400	PVC Sanitary Pipe 6"Ø x 3.0m	pc	12.00						
12.0800	PVC Sanitary Elbow 90° x 6"Ø	pc	8.00						
12.2800	Closet Bend, 4"	pc	3.00						
	<b>Sub-total</b>								
<b>13.0000</b>	<b>Painting Works</b>								
	<b>Concrete Surfaces</b>	<b>sqm</b>	<b>222.21</b>						
13.0100	Neutralizer	gal	3.00						
13.0200	Latex, Flat	gal	9.00						
13.0400	Latex, Semi Gloss	gal	9.00						
13.0300	Masonry Putty	gal	19.00						
13.0500	Acri Color	qrt	3.00						
	<b>Wood Surfaces</b>	<b>sqm</b>	<b>295.69</b>						
13.0600	Enamel, Flatwall	gal	15.00						
13.0800	Enamel, Semi Gloss	gal	15.00						
13.0700	Glazing Putty	gal	12.00						
13.0900	Paint Thinner	L	8.00						
	<b>Sub-total</b>								
<b>14.0000</b>	<b>Tile Works</b>								
	<b>T&amp;B Flooring</b>	<b>sqm</b>	<b>6.30</b>						
14.0210	Unglazed Floor Tiles 20cm x 20cm	pc	158.00						
14.0300	Tile Adhesive 25 kg/bag	bag	2.00						
14.0500	Tile Grout 5 kg/bag	bag	1.00						
	<b>Classroom Flooring</b>	<b>sqm</b>	<b>137.28</b>						
14.0600	Unglazed Floor Tiles 40cm x 40cm	pc	858.00						
14.0300	Tile Adhesive 25 kg/bag	bag	25.00						
14.0500	Tile Grout 5 kg/bag	bag	11.00						
	<b>Sub-total</b>								
<b>Building 5 : HE AND INDUSTRIAL BUILDING 2STY 2CL (6X8M)</b>									
<b>6.0000</b>	<b>Doors and Windows</b>								
6.0100	Removal of Door with Jamb	set	2.00						
6.2100	Refurbishment of Steel Windows Includ Grills	sqm	17.02						
6.0310	D-1, Steel Door 1.0m x 2.10m on Steel Door Jamb complete with Accessories (Includ lockset)	set	2.00						
6.0500	PVC Door with Complete Accessories	set	2.00						
	<b>Sub-total</b>								
<b>8.0000</b>	<b>Roofing Works</b>								
8.0100	Removal of Roofing Sheets	sq m	49.30						
8.0200	Removal of Ridge Roll	pc	4.00						
8.0300	Removal of Flashing	pc	8.00						
8.0400	Removal of Gutter	pc	8.00						
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	138.60						
8.0800	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.4mm BMT	pc	8.00						
8.1400	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	8.00						
8.1000	Teckscrew 2-1/2"	pc	1,057.60						
8.1100	Blind Rivets	pc	220.00						
8.1300	Roof Sealant	L	3.00						
	<b>Sub-total</b>								
<b>9.0000</b>	<b>Ceiling and Carpentry Works</b>								
	<b>Interior and Exterior Ceiling</b>								



9.0100	Removal of Ceiling	sq.m	44.85						
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	196.00						
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	31.00						
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	12.00						
4.0400	CWN, Assorted	kg	4.00						
9.2200	Concrete Nails	kg	5.00						
9.2100	Finishing Nails	kg	11.00						
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	4.00						
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	1.00						
	<b>Blackboard</b>	<b>sqm</b>	<b>11.52</b>						
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	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						
	<b>HE Cabinets</b>								
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	132.00						
9.0400	Plywood, Marine 3/4" x 4' x 8'	pc	14.00						
9.2100	Finishing Nails	kg	1.00						
4.0400	Common Wire Nails	kg	4.00						
9.2200	Concrete Nails	kg	1.00						
9.2400	Wood Glue	L	2.00						
9.2500	Concealed Hinges	pc	64.00						
9.2600	S.S. Cabinet Handle	pc	40.00						
9.2700	6mm thk Clear Glass	sq.ft	32.00						
	<b>Sub-total</b>								
<b>10.0000</b>	<b>Electrical Works</b>								
	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						
	<b>Wires &amp; Fixtures</b>								
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	2.00						
10.3620	FL 2 x 40W Industrial Type	set	12.00						
10.5600	Incandescent Bulb 50W	set	8.00						
10.5700	Ceiling Receptacle 3-1/2"Ø	pc	8.00						
10.3700	Panel Box, Flush Type, 4 Branches	set	2.00						
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						
	<b>Sub-total</b>								
<b>11.0000</b>	<b>Plumbing Works</b>								
11.0200	Water Closet 1.6gpf with Accessories	set	2.00						
11.0400	Concrete Counter Sink Type, with Lever Type Faucet and Complete Accessories	set	1.00						
11.0610	Lavatory, Including Fittings and Accessories	set	2.00						
11.0410	Faucet, Lavatory	set	2.00						
11.0500	Faucet, Hose Bibb, Brass 1/2"Ø	pc	1.00						
11.0620	S.S. Sink with Strainer and P-Trap	set	1.00						
11.1000	PP-R Pipe 3/4"Ø x 4.0m	pc	2.00						
11.1500	PP-R Coupling, 3/4"Ø	pc	2.00						



11.2100	PP-R Elbow 90° x 3/4"Ø	pc	2.00						
11.1700	PP-R Coupling Reducer, 1" x 3/4"Ø	pc	2.00						
11.1600	PP-R Coupling, 1/2"Ø	pc	10.00						
11.2200	PP-R Elbow 90° x 1/2"Ø	pc	16.00						
11.1600	PP-R Coupling, 1/2"Ø	pc	4.00						
11.2700	PP-R Tee, 1/2"Ø	pc	16.00						
11.4100	Check Valve, Horizontal, 1/2"Ø	pc	3.00						
11.3800	Gate Valve, 3/4"Ø	pc	1.00						
11.4410	S.S. Floor Drain 4" x 4"	set	1.00						
11.4500	Mirror	sq.ft	7.50						
11.4200	Teflon Tape	roll	12.00						
	<b>Sub-total</b>								
<b>12.0000</b>	<b>Sanitary Works</b>								
12.0100	Catch Basin	unit	4.00						
12.0600	PVC Sanitary Pipe 3"Ø x 3.0m	pc	12.00						
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	6.00						
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	6.00						
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	6.00						
12.2000	PVC Sanitary Wye Reducer 4" x 2"	pc	2.00						
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	2.00						
12.2700	PVC P-Trap 2"	pc	2.00						
12.2800	Closet Bend, 4"	pc	1.00						
12.3000	PVC Cement	can	4.00						
	<b>Sub-total</b>								
<b>13.0000</b>	<b>Painting Works</b>								
	<b>Concrete Surfaces</b>	sqm	<b>506.65</b>						
13.0100	Neutralizer	gal	7.00						
13.0200	Latex, Flat	gal	26.00						
13.0400	Latex, Semi Gloss	gal	26.00						
13.0300	Masonry Putty	gal	26.00						
13.0500	Acri Color	qrt	7.00						
	<b>Wood Surfaces</b>	sqm	<b>56.37</b>						
13.0600	Enamel, Flatwall	gal	11.00						
13.0800	Enamel, Semi Gloss	gal	11.00						
13.0700	Glazing Putty	gal	11.00						
13.0900	Paint Thinner	L	9.00						
	<b>Sub-total</b>								
<b>14.0000</b>	<b>Tile Works</b>								
	<b>Kitchen Counter</b>	sqm	<b>1.50</b>						
14.0110	Glazed Wall Tiles 20cm x 20cm	pc	39.00						
14.0300	Tile Adhesive 25 kg/bag	bag	1.00						
14.0500	Tile Grout 5 kg/bag	bag	1.00						
	<b>T&amp;B Flooring</b>	sqm	<b>5.76</b>						
14.0210	Unglazed Floor Tiles 20cm x 20cm	pc	144.00						
14.0300	Tile Adhesive 25 kg/bag	bag	2.00						
14.0500	Tile Grout 5 kg/bag	bag	1.00						
	<b>Classroom Flooring</b>	sqm	<b>82.88</b>						
14.0600	Unglazed Floor Tiles 40cm x 40cm	pc	518.00						
14.0300	Tile Adhesive 25 kg/bag	bag	15.00						
14.0500	Tile Grout 5 kg/bag	bag	7.00						
	<b>Sub-total</b>								
<b>BAGONG LIPUNAN BUILDING (1STOREY 3CLASSROOM)</b>									
<b>3.0000</b>	<b>Rebar Works</b>	lot	<b>1.00</b>						
3.0900	Deformed Round Bars, Grade 33	kg	32.65						
3.1200	G.I. Tie Wire	kg	0.65						
	<b>Sub-total</b>								
<b>5.0000</b>	<b>Masonry Works</b>	sq.m.	<b>33.84</b>						
	<b>Catch Basin Walls Plastering</b>	sq.m.	<b>25.92</b>						
2.0200	Portland Cement	bag	5.00						
2.0500	Washed Sand	cu.m	0.41						



	<b>CHB Comfort Room Wall</b>	<b>sq.m.</b>	<b>7.92</b>						
2.0200	Portland Cement	bag	6.00						
2.0500	Washed Sand	cu.m	0.47						
5.0300	CHB 4" thk	pc	99.00						
	<b>Sub-total</b>								
<b>6.0000</b>	<b>Doors and Windows</b>	<b>lot</b>	<b>1.00</b>						
6.0320	D-1, Steel Door 0.90m x 2.10m on Steel Door Jamb complete with Accessories (Inclgd lockset)	set	3.00						
6.0400	Flush Door	sq.m	3.24						
6.1200	Aluminum Casement Window	sq.m	25.91						
	<b>Sub-total</b>								
<b>7.0000</b>	<b>Steel Works</b>	<b>lot</b>	<b>1.00</b>						
	<b>Security Grilles</b>								
7.1050	Flat Bar 1" x 1/4"	kg	21.00						
7.2500	Square Bar 12mm□	pc	23.00						
7.3600	Welding Rod	kg	7.00						
	<b>Sub-total</b>								
<b>8.0000</b>	<b>Roofing Works</b>	<b>sq.m.</b>	<b>248.75</b>						
8.0100	Removal of Roofing Sheets	sq m	248.75						
8.0200	Removal of Ridge Roll	pc	11.00						
8.0400	Removal of Gutter	pc	21.00						
8.0500	Removal of Fascia Board	pc	20.00						
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	274.00						
8.0700	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm BMT	pc	11.00						
8.0800	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.4mm BMT	pc	26.00						
8.1000	Teckscrew 2-1/2"	pc	2,192.00						
8.1100	Blind Rivets	pc	2,000.00						
8.1300	Roof Sealant	L	5.00						
8.1400	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	22.00						
	<b>Sub-total</b>								
<b>9.0000</b>	<b>Ceiling and Carpentry Works</b>	<b>sq.m.</b>	<b>358.14</b>						
	<b>Interior Ceiling</b>	<b>sq.m.</b>	<b>144.00</b>						
9.0100	Removal of Ceiling	sq.m	144.00						
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	630.00						
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	50.00						
9.2100	Finishing Nails	kg	3.00						
9.2200	Concrete Nails	kg	4.00						
4.0400	CWN, Assorted	kg	12.00						
	<b>Exterior Ceiling</b>	<b>sq.m.</b>	<b>84.00</b>						
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	368.00						
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	30.00						
9.2100	Finishing Nails	kg	2.00						
9.2200	Concrete Nails	kg	3.00						
4.0400	CWN, Assorted	kg	7.00						
9.1900	Wood Preservative	L	12.00						
9.1420	Fascia Board, Fiber Cement 10" x 12'	pc	0.00						
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	8.00						
	<b>Partition Wall</b>	<b>sq.m.</b>	<b>112.86</b>						
9.0090	Removal of Partition	sq.m	112.86						
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	494.00						
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	79.00						
9.2100	Finishing Nails	kg	5.00						
9.2200	Concrete Nails	kg	3.00						
4.0400	CWN, Assorted	kg	9.00						
9.1900	Wood Preservative	L	16.00						
	<b>Backboard</b>	<b>sq.m.</b>	<b>17.28</b>						
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	110.00						
9.2000	Lawanit, 1/4" thk	pc	6.00						



9.2100	Finishing Nails	kg	1.00					
4.0400	CWN, Assorted	kg	2.00					
9.2200	Concrete Nails	kg	1.00					
	<b>Sub-total</b>							
<b>10.0000</b>	<b>Electrical Works</b>	<b>lot</b>	<b>1.00</b>					
	<b>Roughing-ins</b>							
10.0100	Electrical Conduit uPVC, 15mmØ	pc	20.00					
10.0300	Electrical Conduit uPVC, 32mmØ	pc	1.00					
10.1000	Entrance Cap 32mm dia.	pc	1.00					
10.1200	Junction Box, 4" x 4" G.I.	pc	12.00					
10.1300	Utility Box, 2" x 4" G.I.	pc	6.00					
10.1400	Grounding Rod, 2.4m x 16mm dia.	pc	1.00					
	<b>Wires &amp; Fixtures</b>							
10.1600	3.5 mm² THHN Wire, Stranded	m	500.00					
10.1900	30.0 mm² THHN Wire, Stranded	m	10.00					
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	12.00					
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	3.00					
10.3200	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	3.00					
10.3620	FL 2 x 40W Industrial Type	set	18.00					
10.3610	FL 1 x 40W Industrial Type	set	3.00					
10.3900	Panel Box, Flush Type, 12 Branches	set	1.00					
10.4100	Circuit Breaker, 20A 2P	set	3.00					
10.4300	Circuit Breaker, 40A 2P	set	3.00					
10.4600	Circuit Breaker, 100A 2P	set	1.00					
10.5500	Electrical Tape	pc	20.00					
	<b>Sub-total</b>							
<b>11.0000</b>	<b>Plumbing Works</b>	<b>lot</b>	<b>1.00</b>					
11.0200	Water Closet 1.6gpf with Accessories	set	3.00					
11.0610	Lavatory, Including Fittings and Accessories	set	3.00					
11.0900	PP-R Pipe 1"Ø x 4.0m	pc	5.00					
11.1100	PP-R Pipe 1/2"Ø x 4.0m	pc	12.00					
11.1500	PP-R Coupling, 3/4"Ø	pc	6.00					
11.2000	PP-R Elbow 90° x 1"Ø	pc	7.00					
11.2200	PP-R Elbow 90° x 1/2"Ø	pc	15.00					
11.2500	PP-R Tee, 1"Ø	pc	4.00					
11.3700	Gate Valve, 1"Ø	pc	1.00					
11.4200	Teflon Tape	roll	3.00					
11.4410	S.S. Floor Drain 4" x 4"	set	3.00					
	<b>Sub-total</b>							
<b>12.0000</b>	<b>Sanitary Works</b>	<b>lot</b>	<b>1.00</b>					
12.0600	PVC Sanitary Pipe 3"Ø x 3.0m	pc	10.00					
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	8.00					
12.1000	PVC Sanitary Elbow 90° x 3"Ø	pc	13.00					
12.1410	PVC Sanitary Elbow 1/8 x 2"Ø	pc	6.00					
12.2700	PVC P-Trap 2"	pc	3.00					
12.3000	PVC Cement	can	5.00					
	<b>Sub-total</b>							
<b>13.0000</b>	<b>Painting Works</b>	<b>sq.m.</b>	<b>631.70</b>					
	<b>Concrete Surface</b>	<b>sq.m.</b>	<b>273.80</b>					
13.0100	Neutralizer	gal	8.00					
13.0200	Latex, Flat	gal	8.00					
13.0400	Latex, Semi Gloss	gal	8.00					
13.0300	Masonry Putty	gal	10.00					
13.0500	Acrylic Color	qrt	3.00					
	<b>Wood Surface</b>	<b>sq.m.</b>	<b>357.90</b>					
13.0600	Enamel, Flatwall	gal	8.00					
13.0800	Enamel, Semi Gloss	gal	12.00					
13.0700	Glazing Putty	gal	12.00					
13.0900	Paint Thinner	L	12.00					
	<b>Sub-total</b>							
<b>14.0000</b>	<b>Tile Works</b>	<b>sq.m.</b>	<b>153.11</b>					



<b>T &amp; B Flooring</b>		<b>sq.m.</b>	<b>13.61</b>					
14.0210	Unglazed Floor Tiles 20cm x 20cm	pc	341.00					
14.0300	Tile Adhesive 25 kg/bag	bag	3.00					
14.0500	Tile Grout 5 kg/bag	bag	2.00					
<b>First Floor Tile Flooring</b>		<b>sq.m.</b>	<b>139.50</b>					
2.0200	Portland Cement	bag	12.00					
2.0500	Washed Sand	cu.m	2.65					
14.0600	Unglazed Floor Tiles 40cm x 40cm	pc	872.00					
14.0300	Tile Adhesive 25 kg/bag	bag	26.00					
14.0500	Tile Grout 5 kg/bag	bag	11.00					
<b>Sub-total</b>								
<b>ESF BUILDING (1STOREY 2CLASSROOM, 6x8M)</b>								
<b>6.0000</b>	<b>Doors and Windows</b>	<b>lot</b>	<b>1.00</b>					
6.0100	Removal of Door with Jamb	set	2.00					
6.0200	Removal of Window with Jamb	sq.m	19.91					
6.0310	D-1, Steel Door 1.0m x 2.10m on Steel Door Jamb complete with Accessories (Inclgd lockset)	set	2.00					
6.1200	Aluminum Casement Window	sq.m	39.82					
<b>Sub-total</b>								
<b>7.0000</b>	<b>Steel Works</b>	<b>lot</b>	<b>1.00</b>					
<b>Security Grilles</b>								
7.1050	Flat Bar 1" x 1/4"	kg	16.00					
7.2500	Square Bar 12mm□	pc	92.00					
7.3600	Welding Rod	kg	10.00					
<b>Sub-total</b>								
<b>14.0000</b>	<b>Tile Works</b>	<b>sq.m.</b>	<b>89.06</b>					
2.0200	Portland Cement	bag	15.00					
2.0500	Washed Sand	cu.m	4.50					
14.0600	Unglazed Floor Tiles 40cm x 40cm	pc	557.00					
14.0300	Tile Adhesive 25 kg/bag	bag	18.00					
14.0500	Tile Grout 5 kg/bag	bag	6.00					
<b>Sub-total</b>								
<b>COMPUTER ROOM (8.7x5.8M)</b>								
<b>6.0000</b>	<b>Doors and Windows</b>	<b>lot</b>	<b>1.00</b>					
6.0100	Removal of Door with Jamb	set	1.00					
6.0200	Removal of Window with Jamb	sq.m	13.51					
6.0310	D-1, Steel Door 1.0m x 2.10m on Steel Door Jamb complete with Accessories (Inclgd lockset)	set	1.00					
6.1200	Aluminum Casement Window	sq.m	13.51					
<b>Sub-total</b>								
<b>7.0000</b>	<b>Steel Works</b>	<b>lot</b>	<b>1.00</b>					
<b>Security Grilles</b>								
7.1050	Flat Bar 1" x 1/4"	kg	7.00					
7.2500	Square Bar 12mm□	pc	31.00					
7.3600	Welding Rod	kg	5.00					
<b>Sub-total</b>								
<b>9.0000</b>	<b>Ceiling and Carpentry Works</b>	<b>sq.m.</b>	<b>56.22</b>					
<b>Interior Ceiling</b>		<b>sq.m.</b>	<b>50.46</b>					
9.0100	Removal of Ceiling	sq.m	50.46					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	115.91					
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	18.00					
9.2100	Finishing Nails	kg	3.00					
9.2200	Concrete Nails	kg	5.00					
4.0400	CWN, Assorted	kg	18.00					
<b>Backboard</b>		<b>sq.m.</b>	<b>5.76</b>					
9.1700	Rough Lumber, Sun Dried, Tanguile or Equivalent	bd.ft	36.67					
9.2000	Lawanit, 1/4" thk	pc	2.00					
9.2100	Finishing Nails	kg	0.50					
4.0400	CWN, Assorted	kg	1.00					
9.2200	Concrete Nails	kg	0.50					
<b>Sub-total</b>								
<b>10.0000</b>	<b>Electrical Works</b>	<b>lot</b>	<b>1.00</b>					
<b>Roughing-ins</b>								



10.0100	Electrical Conduit uPVC, 15mmØ	pc	14.00					
10.0300	Electrical Conduit uPVC, 32mmØ	pc	1.00					
10.1000	Entrance Cap 32mm dia.	pc	1.00					
10.1200	Junction Box, 4" x 4" G.I.	pc	6.00					
10.1300	Utility Box, 2" x 4" G.I.	pc	8.00					
	<b>Wires &amp; Fixtures</b>							
10.1600	3.5 mm² THHN Wire, Stranded	m	350.00					
10.1900	30.0 mm² THHN Wire, Stranded	m	5.00					
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	8.00					
10.3100	2 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	1.00					
10.3620	FL 2 x 40W Industrial Type	set	6.00					
10.4200	Circuit Breaker, 30A 2P	set	1.00					
10.5500	Electrical Tape	pc	4.00					
	<b>Sub-total</b>							
<b>13.0000</b>	<b>Painting Works</b>	<b>sq.m.</b>	<b>171.78</b>					
	<b>Concrete Surface</b>	<b>sq.m.</b>	<b>121.32</b>					
13.0200	Latex, Flat	gal	14.00					
13.0400	Latex, Semi Gloss	gal	7.00					
13.0300	Masonry Putty	gal	5.00					
	<b>Wood Surface</b>	<b>sq.m.</b>	<b>50.46</b>					
13.0600	Enamel, Flatwall	gal	12.00					
13.0700	Glazing Putty	gal	8.00					
13.0900	Paint Thinner	L	4.00					
	<b>Sub-total</b>							
<b>14.0000</b>	<b>Tile Works</b>	<b>sq.m.</b>	<b>50.46</b>					
	Chipping of Existing Concrete	sq.m.	50.46					
2.0200	Portland Cement	bag	17.00					
2.0500	Washed Sand	cu.m	2.50					
14.0600	Unglazed Floor Tiles 40cm x 40cm	pc	316.00					
14.0300	Tile Adhesive 25 kg/bag	bag	8.00					
14.0500	Tile Grout 5 kg/bag	bag	3.00					
	<b>Sub-total</b>							
<b>I</b>	<b>DIRECT COST</b>							
<b>II</b>	<b>INDIRECT COST ____% of (I-Gen. Requirements)</b>							
<b>III</b>	<b>TAX 5% of (I + II)</b>							
<b>IV</b>	<b>TOTAL CONSTRUCTION COST (I + II + III)</b>							

Prepared by:

Contractor/Representative