## PROGRAM OF WORKS

## **BILL OF QUANTITIES**

School	:	Date:				
School I.D	:	Budget Allocation:				
Region	: CAR	Engineering and Administrative Overhead:				
Division	:	Approved Budget for the Contract:				
Project Title	:	Completion Period:				
		Minimum Required Manpower:				
	REPAIR AND REHABILITATION OF ESCODA HALL	General Foreman	Welder	Carpenter		
		Helper	Mason	Painter		
		Project Engineer				
Location	: Baguio Teachers Camp	Minimum Required Equipment:				
		Hand Tools	Welding Machine			
		One-Bagger Mixer	Bar Cutter	Dump Truck		

Item No.	Description	%		Quantity	Direc	t Cost	Adjusted Unit Cost	Adjusted Total Cost
		of Total	Unit		Total Cost	Unit Cost		
(1)	(2)	(3)	(4)	(5)	(6)	(7) (6) / (5)	(8) (9) / (5)	(9)
A.	Facilities for the Engineer					(2) (2)	(2)2 (2)	
A.1	Temporary Facilities		Month	8.00				
B.	Other General Requirements							
B.1	Fire Safety Inspection Certificate (FSIC)		lot	1.00				
SPL 1	Project Billboard		Each	1.00				
SPL 2	Construction Safety and Health		Month	8.00				
C.	Mobilization and Demobilization							
C.1	Mobilization and Demobilization		Ls	1.00				
1.0000	Earthworks							
1 (a)	Clearing and Grubbing		sq.m	146.10				
1 (b)	Structural Excavation		cu m	44.60				
1 (c)	Backfilling of Excavated Materials		cu m	26.84				
1 (d)	Gravel Bedding G-1		cu m	7.33				
	Termite Control Works							
1 (f)	Soil Poisoning		L	5.00				
2.0000	Concreting Works (3000 psi)							
2 (a)	Demolition of reinforced concrete		cu m	2.00				
2 (b)	Structural Concrete (Footing and Slab on Fill)		cu m	4.13				
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam)		cu m	21.78				
2 (d)	Structural Concrete (Main Entrance Steps, Ramp)		cu m	4.59				
3.0000	Rebar Works							
3 (a)	Reinforcing Steel Bar, Grade 40		kg	1,388.99				
4.0000	Formworks							
4 (a)	Installation and Removal of Formworks		sq.m	50.00				
5.0000	Masonry Works							
5 (b)	Masonry (100 mm CHB)		sq.m	162.45				
	Finishing Works							
5 (d)	Plain Cement Plaster Finish		sq.m	330.90				
5 (e)	Fireplace Stone Finish		sq.m	6.00				
5 (f)	Plain Cement Floor Finish		sq.m	17.13				
6.0000	Fabricated Materials and Hardware							
6 (a)	Removal of Door with Jamb		set	14.00				
6 (b)	Removal of Window with Jamb		sq m	15.76				
6 (c)	Wooden Panel Door		sq m	30.63				
6 (d)	Fire Rated Steel Door		sq m	3.05				
6 (e)	uPVC Windows		sq m	16.98				
6 (f)	Refurbishment/Repair of Windows		set	47.00				
6 (g)	Window Glass		sq.m	18.08				
6 (h)	Ramp Railing		Ls	1.00				
7.0000	Steel Works							
7 (a)	Metal Structure Accessories (Stair Railings, Window Grilles and Fire Exit Stairs)		kg	1,602.91				
8.0000	Roofing Works							
8 (a)	Removal of Metal Roofing		sq m	500.00				
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT		sq.m	560.00				
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)		m	39.04				
9.0000	Ceiling and Carpentry Works							
9 (c)	Removal of Wooden Floor Joist, Columns, Beams and Girders, Ceiling Joist and Fascia		bd.ft	864.00				
9 (d)	Removal of Partition		sq m	214.82				
9 (e)	Removal of Ceiling		sq m	470.60				
9 (f)	Refurbishment and Re-Installation of Removed (Good) Wooden Materials		bd.ft	1,318.00	·			

	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm					
9 (g)	Marine Plywood/ 6.0 mm Ordinary Plywood/Woodgrained PVC Ceiling on Metal Frame Ceiling	sq.m	448.61			
9 (h)	Woodgrained PVC Ceiling Panel on Metal Frame Ceiling	sq.m	83.90			
9 (i)	Replacement for Damaged Wooden Columns, Wooden Trusses, Purlins, Floor Joist and Flooring	bd. Ft	4,110.00			
9 (j)	Phenolic/Anodized Aluminum on Aluminum Frame	sq.m	65.67			
9 (k)	4.5 mm/ 6.0 mm thk 4' x 8' Fiber Cement Board/ Marine Plywood/ 5.0 mm thk 4' x 8' Pre-Painted GI Sheet on Wooden Frame Double Partition	sq.m	310.60			
9 (I)	4.5 mm/ 6.0 mm thk 4' x 8' Fiber Cement Board/ Marine Plywood/ 6.0 mm thk 4' x 8' Ordinary Plywood on Wooden Frame Reception Counter,Bedroom Cabinets and Table and Native Cloth Accent	sq.m	40.00			
10.0000	Electrical Works					
10 (a)	Conduit, Boxes and Fitting	Ls	1.00			
10 (b)	Wires and Wiring Devices	Ls	1.00			
10 (c)	Lighting Fixture/ Fixture	Ls	1.00			
10 (d)	Panel Board and Cabinets	Ls	1.00			
E 10 (I)	Metering System	Ls	1.00			
11.0000	Plumbing Works					
11 (a)	Waterline Works	Ls	1.00			
12.0000	Sanitary Works					
12 (a)	Sewer Line Works	Ls	1.00			
12 (b)	Sanitary/ Plumbing Fixtures	Ls	1.00			
	Painting Works					
13 (a)	Masonry Painting	sq.m	245.60			
13 (b)	Wooden Painting	sq.m	898.26			
13 (c)	Metal Painting	sq.m	429.40			
14.0000	Tile Works					
14 (a)	Glazed Tiles and Trims	sq.m	194.99			
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles	sq.m	137.34			
14 (c)	Resanding and Resealing of T&G Floors	sq.m	564.00			
14 (d )	Dismantling of of Existing Toilet Fixtures	Ls	1.00			
15.0000	Waterproofing					
15 (a)	Waterproofing Cement Base- Membrane Type	sq.m	48.12			
16.0000	Electronics and Communications Works					
16 (a)	Fire Alarm System	Ls	1.00			
16 (b)	CCTV System	Ls	1.00			
16 (c)	Audio System (Pipe-In)	Ls	1.00			
				Total Co	nstruction Cost	

•	Contractor	

Prepared by: