

**PROGRAM OF WORKS
DETAILED COST ESTIMATES**

PROJECT : REPAIR, REHABILITATION & RESTORATION OF ESCODA HALL
OFFICE : BAGUIO TEACHER'S CAMP
LOCATION : BAGUIO CITY
OWNER : DEPARTMENT OF EDUCATION

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
I	INDIRECT COST							
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Project Billboard	lot	1.00					
	Safety and Health/Equipment	lot	1.00		0.00		0.00	
	Fire Safety Inspection Certificate (FSIC)	lot	1.00	0.00		0.00		
	Hauling cost	lot	1.00	0.00		0.00		
	Sub-total							
1.00	Earthworks							
1.0100	Clearing and Grubbing	sq.m	146.10	0.00		0.00		
1.0200	Structural Excavation	cu.m	44.60	0.00		0.00		
1.0300	Backfilling and Compaction	cu.m	26.84	0.00		0.00		
1.0400	Gravel Bedding G-1	cu.m	7.33					
1.0500	Select Fill	cu.m	8.81					
1.0600	Soil Poisoning	sqm.	246.10					
	Sub-total							
2.00	Concreting Works							
	Main Entrance Steps & Ramp	cu.m	4.59					
2.0200	Portland Cement	bag	42.00					
2.0300	Crushed Gravel 3/4"	cu.m	4.75					
2.0500	Washed Sand	cu.m	2.50					
	Heat Pump Slab on Fill	cu.m	0.45					
2.0200	Portland Cement	bag	5.00					
2.0300	Crushed Gravel 3/4"	cu.m	0.50					
2.0500	Washed Sand	cu.m	0.25					
	Perimeter Walkway	cu.m	9.54					
2.0200	Portland Cement	bag	86.00					
2.0300	Crushed Gravel 3/4"	cu.m	9.75					
2.0500	Washed Sand	cu.m	5.00					
	Pedestal Columns	cu.m	0.51					
2.0200	Portland Cement	bag	5.00					
2.0300	Crushed Gravel 3/4"	cu.m	0.75					
2.0500	Washed Sand	cu.m	0.50					
	Retaining/RipRap Wall (at the Rear)							
	Column Footing	cu.m	4.64					
2.0200	Portland Cement	bag	42.00					
2.0300	Crushed Gravel 3/4"	cu.m	4.75					
2.0500	Washed Sand	cu.m	2.50					
	Beams	cu.m	4.78					
2.0200	Portland Cement	bag	44.00					
2.0300	Crushed Gravel 3/4"	cu.m	5.00					
2.0500	Washed Sand	cu.m	2.50					
	Columns	cu.m	2.66					
2.0200	Portland Cement	bag	24.00					
2.0300	Crushed Gravel 3/4"	cu.m	2.75					
2.0500	Washed Sand	cu.m	1.50					
	Common Toilet							
	Column Footing	cu.m	0.80					
2.0200	Portland Cement	bag	8.00					
2.0300	Crushed Gravel 3/4"	cu.m	1.00					
2.0500	Washed Sand	cu.m	0.50					
	Tie beams	cu.m	0.26					
2.0200	Portland Cement	bag	3.00					
2.0300	Crushed Gravel 3/4"	cu.m	0.50					
2.0500	Washed Sand	cu.m	0.25					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Columns	cu.m	0.54					
2.0200	Portland Cement	bag	5.00					
2.0300	Crushed Gravel 3/4"	cu.m	0.75					
2.0500	Washed Sand	cu.m	0.50					
	Roof Beams	cu.m	0.26					
2.0200	Portland Cement	bag	3.00					
2.0300	Crushed Gravel 3/4"	cu.m	0.50					
2.0500	Washed Sand	cu.m	0.25					
	Slab on Grade	cu.m	4.80					
2.0200	Portland Cement	bag	44.00					
2.0300	Crushed Gravel 3/4"	cu.m	5.00					
2.0500	Washed Sand	cu.m	2.50					
	Sub-total							
3.00	Rebar Works							
	<i>Main Entrance Steps & Ramp</i>		227.33					
	<i>Heat Pump Slab on Fill</i>		163.30					
	<i>Perimeter Walkway</i>		184.65					
	<i>Pedestal Columns</i>		115.36					
	Retaining/RipRap Wall (at the Rear)							
	<i>Column Footing</i>		182.94					
	<i>Beams</i>		708.26					
	<i>Columns</i>		496.24					
	Common Toilet							
	<i>Column Footing</i>		63.20					
	<i>Tie Beams</i>		104.80					
	<i>Columns</i>		165.84					
	<i>Roof Beams</i>		104.80					
	<i>Slab on Grade</i>		132.68					
3.0500	Deformed Round Bars, Grade 40	kg	2,649.41					
3.1200	G.I. Tie Wire	kg	53.00					
	Sub-total							
4.00	Formworks							
	Retaining/RipRap Wall (at the Rear)							
	Beams	sq.m	16.23					
4.0100	Coco Lumber	bd.ft	276.00					
4.0300	Plywood Ordinary, 1/2" x 4' x 8'	pc	5.00					
4.0400	CWN, Assorted	kg	4.00					
	Columns	sq.m	12.00					
4.0100	Coco Lumber	bd.ft	204.00					
4.0300	Plywood Ordinary, 1/2" x 4' x 8'	pc	4.00					
4.0400	CWN, Assorted	kg	3.00					
	Common Toilet							
	Tie beams	sq.m	4.38					
4.0100	Coco Lumber	bd.ft	75.00					
4.0300	Plywood Ordinary, 1/2" x 4' x 8'	pc	2.00					
4.0400	CWN, Assorted	kg	2.00					
	Columns	sq.m	12.20					
4.0100	Coco Lumber	bd.ft	208.00					
4.0300	Plywood Ordinary, 1/2" x 4' x 8'	pc	4.00					
4.0400	CWN, Assorted	kg	3.00					
	Roof Beams	sq.m	4.28					
4.0100	Coco Lumber	bd.ft	73.00					
4.0300	Plywood Ordinary, 1/2" x 4' x 8'	pc	2.00					
4.0400	CWN, Assorted	kg	2.00					
	Sub-total							
5.00	Masonry Works							
5.0100	Chipping Works	sqm	51.70	0.00		0.00		
	For Main Entry Steps & Open Canal	sq.m	14.87					
5.0300	CHB 4" thk	pc	186.00					
2.0200	Portland Cement	bag	8.00					
2.0500	Washed Sand	cu.m	1.00					
5.0400	10mm x 6m RSB	kg	20.00					
3.1200	G.I. Tie Wire	kg	1.00					
	Plastering	sq.m	35.74					
2.0200	Portland Cement	bag	12.00					
2.0500	Washed Sand	cu.m	2.00					
	Floor Topping	sq.m	5.85					
2.0200	Portland Cement	bag	4.00					
2.0500	Washed Sand	cu.m	1.00					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Fireplace Stone Finish							
	Natural Stone (Boulders)	cu.m	2.00					
2.0200	Portland Cement	bag	5.00					
2.0500	Washed Sand	cu.m	1.50					
	Retaining/RipRap Wall (at the Rear)							
	Natural Stone (Boulders)	cu.m	16.00					
2.0200	Portland Cement	bag	39.00					
2.0500	Washed Sand	cu.m	8.00					
	Common Toilet							
	Masonry wall	sq.m	28.90					
5.0300	CHB 4" thk	pc	362.00					
2.0200	Portland Cement	bag	15.00					
2.0500	Washed Sand	cu.m	2.00					
5.0400	10mm x 6m RSB	kg	39.00					
3.1200	G.I. Tie Wire	kg	1.00					
	Plastering	sq.m	57.80					
2.0200	Portland Cement	bag	20.00					
2.0500	Washed Sand	cu.m	2.00					
	Floor Topping	sq.m	40.00					
2.0200	Portland Cement	bag	27.00					
2.0500	Washed Sand	cu.m	3.00					
	Sub-total							
6.00	Doors and Windows							
6.0100	Removal of Door with Jamb	set	14.00	0.00		0.00		
6.0200	Removal of Window with Jamb	sq.m	15.76	0.00		0.00		
	New Doors							
6.0420	D-1, Flush Door 0.90m x 2.10m on 100mm Wooden Jamb complete with Accessories (lever type door knob)	set	11.00					
	D-3, Flush Door 0.70m x 2.10m on 100mm Wooden Jamb complete with Accessories (lever type door knob)	set	3.00					
	Main Panel Door 1.80m x 2.10m on 150mm Wooden Jamb complete with Accessories (Entrance, Handleset with Deadbolt & Dummy Handle type Lockset)	set	1.00					
	Rehabilitated Doors							
	Flush Doors	set	2.00					
	New Windows							
	W - 1, (0.6m x 0.6m) uPVC (White) Awning Window with Clear Glass on uPVC Jamb complete with Accessories	set	5.00					
	W - 2, (2.3m x 1.65m) uPvc (White) Casement Window (French Type) with Clear Glass on uPvc Jamb complete with Accessories	set	2.00					
	Rehabilitated Windows							
	Bedrooms	set	35.00					
	Jamb Replacement	set	12.00					
	Clear Glass Replacement	sqft	194.64					
	Window Screens							
	Insect Fiber Screen on Aluminum Powdercoated complete with Accessories	sqft	848.78					
	Hardwares & Accessories							
	Entrance, Handleset with Deadbolt & Dummy Handle	set	1.00					
	Foot Bolt	set	1.00					
	Chain Bolt	set	1.00					
	Barrel Bolt, 4"	set	80.00					
	Hinges, Standard 3" x 3"	pair	100.00					
	Sub-total							
7.00	Steel Works							
	Heat Pump Area							
7.0090	LC 75 x 38 x 15 x 2.0mm	kg	136.50					
7.2610	G.I. Pipe 1-1/2"Ø Sch. 40	pc	4.00					
7.2600	G.I. Pipe 2"Ø Sch.40	pc	2.00					
7.1100	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.25					
7.1600	Anchor Bolt with Nuts and Washer, 12mmØ x 50mm x 150mm	pc	16.00					
7.3600	Welding Rod	kg	15.00					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Main Stair & Ramp Railing							
7.2610	G.I. Pipe 1-½"Ø Sch. 40	pc	4.00					
	2" x 3" x 1.2mm Tubular Bar	kg	185.51					
	1" x 1" x 1.2mm Tubular Bar	kg	86.80					
7.1060	Flat Bar 1½" x ¼"	kg	68.40					
7.1100	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.25					
7.1700	Anchor Bolt with Nuts and Washer, 10mmØ x 50mm x 125mm	pc	16.00					
7.3600	Welding Rod	kg	20.00					
	Window Grilles							
7.1901	Plain Round Bar 12mmØ x 6m	pc	118.00					
7.1050	Flat Bar 1" x ¼"	kg	1,135.20					
	1"Wood Screw, Flat Head	pc	900.00					
7.3600	Welding Rod	kg	50.00					
	Sub-total							
8.00	Roofing Works							
8.0100	Removal of Roofing Sheets	m	582.09	0.00		0.00		
8.0200	Removal of Ridge Roll	pc	20.00	0.00		0.00		
8.0300	Removal of Flashing	pc	17.00	0.00		0.00		
8.0400	Removal of Gutter	pc	24.00	0.00		0.00		
8.0500	Removal of Fascia Board	pc	24.00	0.00		0.00		
	Main Building Roofing		549.09					
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	m	549.09					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	18.00					
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	22.00					
8.35	Teckscrew 2-1/2"	pc	5,490.90					
8.36	Roof Sealant	L	4.00					
8.37	Blind Rivets	pc	400.00					
	Canopy Roofing		33.00					
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	m	33.00					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	11.00					
8.35	Teckscrew 2-1/2"	pc	330.00					
8.36	Roof Sealant	L	1.00					
8.37	Blind Rivets	pc	110.00					
	Common Toilet		46.00					
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	m	46.00					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	12.00					
8.35	Teckscrew 2-1/2"	pc	460.00					
8.36	Roof Sealant	L	1.00					
8.37	Blind Rivets	pc	120.00					
	Roofing for Heat Pump Area	m	21.00					
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	m	21.00					
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	2.00					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	3.00					
8.35	Teckscrew 2-1/2"	pc	210.00					
8.36	Roof Sealant	L	2.00					
8.37	Blind Rivets	pc	30.00					
	Sub-total							0.00
9.00	Ceiling and Carpentry Works							
	Dismantling Works							
9.0100	Removal of Ceiling	sq.m	470.60	0.00		0.00		
9.0090	Removal of Partition	sq.m	214.82	0.00		0.00		
	Removal of Damaged Wooden Columns	bdf.	300.00	0.00		0.00		
	Fascia Replacement							
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	80.00					
	1"x12" Wood Panels	bdf.	420.00					
4.0400	CWN, Assorted	kg	9.00					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Interior ceiling							
	Hallways, Common Toilet/Bath and Bedrooms (GF &	sq.m	470.60					
9.1000	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	pc	161.00					
9.0800	Metal Carrying Channel (12mm x 38mm x 5m x 0.8mm thk)	pc	90.00					
9.1100	Wall Angle	pc	104.00					
9.1200	Preformed Wire Clip	pc	386.00					
9.1300	Rod Suspension Hanger with Adjustment Spring	pc	386.00					
9.1310	Steel Angle	pc	386.00					
9.2200	Concrete Nails	kg	5.00					
8.1100	Blind Rivets	pc	1,582.00					
9.0900	Fiber Cement Ceiling Board (4.5 mm thk)	pc	194.00					
9.1900	Wood Preservative, Brown	L	20.00					
	Main Entry Canopy & Roof Eaves	sq.m	29.44					
9.1000	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	pc	11.00					
9.0800	Metal Carrying Channel (12mm x 38mm x 5m x 0.8mm thk)	pc	6.00					
9.1100	Wall Angle	pc	7.00					
9.1200	Preformed Wire Clip	pc	25.00					
9.1300	Rod Suspension Hanger with Adjustment Spring	pc	25.00					
9.1310	Steel Angle	pc	25.00					
9.2200	Concrete Nails	kg	1.00					
8.1100	Blind Rivets	pc	99.00					
9.0900	Fiber Cement Ceiling Board (4.5 mm thk)	pc	25.00					
	Wood Replacement							
	Replacement for Wooden Columns							
	6"x6" Hardwood Columns	bd.ft.	300.00					
	Machine bolts with nuts and washers 20mmØ x 350mm	pc	58.00					
	Metal Strap 75mm x 800mm x 6mm thk	set	2.00					
	Replacement for Wooden Trusses							
	2"x 6" Hardwood Purlins	bd.ft.	480.00					
	2"x 3" Hardwood Purlins	bd.ft.	320.00					
	2"x 8" Hardwood Truss Chord/Rafter Member	bd.ft.	400.00					
4.0400	CWN, Assorted	kg	16.00					
9.1900	Wood Preservative, Brown	L	25.00					
	Replacement for T&G Flooring							
	T&G 1" x 4"	bdf.	940.00					
	T&G 1" x 6"	bdf.	440.00					
4.0400	CWN, Assorted	kg	10.00					
9.2100	Finishing Nails	kg	12.00					
	Replacement/Rehabilitation for Floor Studs							
	2"x 6" Hardwood Purlins	bd.ft.	480.00					
4.0400	CWN, Assorted	kg	6.00					
9.1900	Wood Preservative, Brown	L	12.00					
	Replacement for Mouldings & Cornices							
	1"x2" S4S Lumber	bd.ft.	320.00					
	1"x4" S4S Lumber	bd.ft.	240.00					
4.0400	CWN, Assorted	kg	6.00					
9.22	Finishing Nails	kg	6.00					
	Replacement for Wall Panels (interior/Exterior)							
	Plain G.I. Sheet Ga.24, 4' x 8'	pc	140.00					
	Plywood, Narra 1/4" x 4' x 8'	pc.	22.00					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc.	160.00					
	1"x4" S4S Lumber	bd.ft.	884.00					
	Rough Lumber, Sun Dried, Tanguile	bd.ft.	1,780.00					
4.0400	CWN, Assorted	kg	32.00					
9.2100	Finishing Nails	kg	23.00					
9.1900	Wood Preservative, Brown	L	25.00					
	Others							
	Native Cloth Accent							
	Traditional Native Cloth, 4" wide	yd	158.00					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	6.00					
	Rough Lumber, Sun Dried, Tanguile	bd.ft.	210.00					
9.2100	Finishing Nails	kg	5.00					
	Bedroom Cabinets & Table							
9.0300	Plywood, Ordinary 1/2" x 4' x 8'	pc	4.00					
9.0400	Plywood, Ordinary 3/4" x 4' x 8'	pc	40.00					
	Rough Lumber, Sun Dried, Tanguile	bd.ft.	48.00					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
4.0400	CWN, Assorted	kg	6.00					
9.2100	Finishing Nails	kg	6.00					
	16" Metal Drawer Guide, Heavy Duty, Full Extension Ball Bearing Type	set	8.00					
	Felt Roller (4 roller per set)	set	8.00					
	Metal Felt Guide (6m length)	length	8.00					
	Chrome Flush type Door Handle	pc	16.00					
	3/4"Ø Chrome Flange	pc	16.00					
	3/4"Ø Chrome Bar (6m)	length	2.00					
	Wooden Trim for Toilets							
	Rough Lumber, Sun Dried, Tanguile	bd.ft.	32.00					
	Sanding Sealer	gal	3.00					
4.0400	CWN, Assorted	kg	3.00					
	Reception Counter							
9.0400	Plywood, Ordinary 3/4" x 4' x 8'	pc	7.00					
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc	3.00					
	Rough Lumber, Sun Dried, Tanguile	bd.ft.	100.00					
	Concealed Hinges	pair	8.00					
	Cabinet Lock	set	2.00					
4.0400	CWN, Assorted	kg	3.00					
9.2100	Finishing Nails	kg	3.00					
	Toilet Partition							
	Phenolic Toilet Door & Partition, including Accessories (Lock and Brackets)	sqm	23.41					
	Anodized Aluminum Stucco Sheet on Anodized Aluminum Frame including Accessories (Brackets)	sqm	34.45					
	Sub-total							
10.00	Electrical Works							
	Roughing-ins							
10.0200	Electrical Conduit uPVC, 20mmØ	pc	220.00					
10.0210	Electrical Conduit uPVC, 25mmØ	pc	48.00					
	RSC 50mmØ	pc	4.00					
	Entrance Cap 2"	pc	1.00					
	Junction Box, 4" x 4" PVC	pc	67.00					
	Utility Box, 2" x 4" PVC	pc	55.00					
	Grounding Rod	pc	1.00					
	Wires & Fixtures							
	3.5 mm² THHN Wire, Stranded	pc	2,218.00					
	5.5 mm² THHN Wire, Stranded	pc	175.00					
	22.0 mm² THHN Wire, Stranded	m	90.00					
	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	50.00					
	Single Convenience Outlet, Grounding Type, 15 AMP, 230V (EF)	set	6.00					
	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	8.00					
	2 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	6.00					
	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	3.00					
	Three Way Wall Switch, 1-Gang (10 AMP, 230 V)	set	2.00					
	12" Duct Fan & Switch	set	3.00					
	6" mm Ø 18 Watts, Circular LED Downlight (Daylight)	set	32.00					
	6" mm Ø 15 Watts, Circular LED Downlight (Cool White)	set	10.00					
	4" mm Ø 12 Watts, Circular LED Downlight (Daylight)	set	9.00					
	4" Surface Downlight, Tubular, with 12w LED Bulb	set	4.00					
	8" Surface Downlight, Tubular, with 12w LED Bulb	set	5.00					
	Industrial Type Housing, with 1 x 18 Watts T8 LED	set	1.00					
	Post Lamp with 12w LED Bulb	set	2.00					
	Chandelier, 5 Bracket with LED Bulb	set	1.00					
	Chandelier, 3 Bracket with LED Bulb	set	1.00					
	Panel Box, Bolt on, Center main, 16 branches	set	1.00					
	Circuit Breaker, 20A 2P, Bolt-on	pc	9.00					
	Circuit Breaker, 30A 2P, Bolt-on	pc	6.00					
	Circuit Breaker, 70A 2P, Bolt-on	set	1.00					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Circuit Breaker, 100A 2P, Bolt-on	set	1.00					
	100AT, 2P, MTS, Breaker Type	set	1.00					
	Electrical Tape	roll	42.00					
	Water Heater							
	Heat Pump Water Heater, 2.7 Kw 220-240v, with Control Board	unit	1.00					
	Calorifier Tank – 130 Gal Storage	unit	1.00					
	Re-circulating Pump	unit	1.00					
	Sub-total							
11.00	Plumbing Works							
	Dismantling & Re-installation of Existing Fixtures							
	Dismantling of Existing Water Closets	set	10.00	0.00		0.00		
	Dismantling of Existing Lavatories	set	6.00	0.00		0.00		
	Fixtures & Accessories							
11.0200	Water Closet 1.6gpf with Accessories (Dual Flush)	set	6.00					
	Lavatory, Wall Hung Type with Accessories	set	5.00					
	Shower Set, 3-Way Valve (H/C) with Shower Head	set	9.00					
11.4410	S.S. Floor Drain 4" x 4"	set	15.00					
11.4300	Tissue Holder	pc	6.00					
	Soap Holder	pc	14.00					
	Accessories	set	5.00					
	Pipes & Fittings							
11.1000	PP-R Pipe 3/4"Ø x 4.0m (PN20)	pc	40.00					
11.1500	PP-R Coupling, 3/4"Ø	pc	35.00					
11.2600	PP-R Tee, 3/4"Ø	pc	30.00					
11.2100	PP-R Elbow 90° x 3/4"Ø	pc	30.00					
11.2910	PP-R Tee Reducer, 3/4" x 1/2"Ø	pc	18.00					
11.1100	PP-R Pipe 1/2"Ø x 4.0m (PN20)	pc	15.00					
11.2200	PP-R Elbow 90° x 1/2"Ø	pc	18.00					
11.1600	PP-R Coupling, 1/2"Ø	pc	18.00					
11.2700	PP-R Tee, 1/2"Ø	pc	18.00					
	PP-R Female Adapter x 1/2"Ø	pc	24.00					
11.3800	Gate Valve, 3/4"Ø	pc	7.00					
11.4400	S.S. Grab Rail 1-1/2"Ø	lm	5.00					
11.4200	Teflon Tape	pc	18.00					
	Three-way Angle Valve, 1/2" x 1/2" x 1/2"	pc	5.00					
11.4500	Mirror	sqft	54.25					
	Sub-total							
12.00	Sanitary Works							
	Pipes & Fittings							
12.0200	Stainless Steel Vent Protection Screen, 6"	pc	4.00					
12.0400	PVC Sanitary Pipe 6"Ø x 3.0m	pc	18.00					
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	25.00					
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	14.00					
12.1100	PVC Sanitary Elbow 90° x 2"Ø	pc	12.00					
12.1300	PVC Sanitary Elbow 1/8 x 4"Ø	pc	3.00					
12.1600	PVC Sanitary Wye 4" x 4"	pc	12.00					
	PVC Sanitary Wye Reducer 6" x 4"	pc	3.00					
12.2000	PVC Sanitary Wye Reducer 4" x 2"	pc	12.00					
12.2200	PVC Sanitary Tee 2" x 2"	pc	5.00					
	PVC Sanitary Tee Reducer 2" x 1-1/4"	pc	3.00					
	PVC Cleanout 6" x 6"	pc	3.00					
	PVC Cleanout 4" x 4"	pc	3.00					
12.2400	Brass Cleanout 4" x 4"	pc	2.00					
12.2500	Brass Cleanout 2" x 2"	pc	1.00					
12.2700	PVC P-Trap 2"	pc	12.00					
	Stainless Steel P-Trap 1-1/4"	pc	10.00					
12.2800	Closet Bend, 4"	pc	10.00					
12.3000	PVC Cement	can	25.00					
	Others							
	New Septic Vault							
	Septic Vault							
	Linear Low Density Polyethylene (LLDPE) Septic Vault, 2000L	set	1.00					
	Excavation Works							
1.0100	Clearing and Grubbing	sq.m	6.00	0.00		0.00		
1.0200	Structural Excavation	cu.m	18.00	0.00		0.00		
2.0300	Crushed Gravel 3/4"	cu.m	9.00					
2.0500	Washed Sand	cu.m	5.00					
	Concreting Works							
	Slab on Fill							
2.01	Portland Cement	bag	8.00					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
2.0300	Crushed Gravel 3/4"	cu.m	1.00					
2.0500	Washed Sand	cu.m	0.50					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Manhole Cover	cu.m	0.05					
2.01	Portland Cement	bag	1.00					
2.0300	Crushed Gravel 3/4"	cu.m	0.25					
2.0500	Washed Sand	cu.m	0.25					
	Rebar Works							
	Manhole Cover	kg	18.51					
	Slab on Fill	kg	51.82					
3.0500	Deformed Round Bars, Grade 40	kg	81.38					
3.1200	G.I. Tie Wire	kg	3.00					
	Masonry Works							
	Septic Wall	sq.m	9.50					
5.0200	CHB 6" thk	bag	125.00					
2.0200	Portland Cement	cu.m	10.00					
2.0500	Washed Sand	cu.m	3.00					
5.0400	10mm x 6m RSB	kg	95.88					
3.1200	G.I. Tie Wire	kg	6.00					
	Manhole Wall	sq.m	2.44					
5.0200	CHB 6" thk	bag	31.00					
2.0200	Portland Cement	cu.m	3.00					
2.0500	Washed Sand	cu.m	1.00					
5.0400	10mm x 6m RSB	kg	15.98					
3.1200	G.I. Tie Wire	kg	1.00					
	Plastering	sq.m	1.44					
2.0200	Portland Cement	cu.m	1.00					
2.0500	Washed Sand	cu.m	1.00					
	Sub-total							
13.00	Painting Works							
	Scraping and Re-sanding							
	Paint Remover	gal	58.00					
	Sanding paper	yrd	200.00					
	Scaffoldings							
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft.	1,520.00					
4.0400	CWN, Assorted	kg	42.00					
	Concrete & Ceiling Surfaces	sq.m	245.60					
13.1800	Neutralizer	gal	6.00					
13.0200	Latex, Flat	gal	26.00					
13.0300	Masonry Putty	gal	20.00					
13.0400	Latex, Semi Gloss	gal	52.00					
13.0500	Acri Color	gal	13.00					
	Interior/Exterior Surfaces	sq.m	545.60					
	Acrylic Solvent Based Penetrating Sealer	gal	50.00					
	Acrylic Solvent Based Cast	gal	44.00					
	Acrylic Solvent Base Putty Filler	gal	20.00					
	Acrylic Solvent Reducer	gal	63.00					
	Acrylic Solvent Based Primer	gal	63.00					
	Acrylic Solvent Based Top Coat (Light, Semi-Gloss)	gal	134.00					
	Acrylic Solvent Based Top Coat (Dark, Semi-Gloss)	gal	45.00					
	Metal Surfaces		189.40					
13.1100	Primer, Zinc Chromate	gal	30.00					
	Body Filler	gal	5.00					
	Enamel, Quick Dry	gal	60.00					
13.0900	Paint Thinner	gal	50.00					
	Varnishing Surfaces (including Handrals, Cornices, Mouldings & Baseboard)	sq.m	352.66					
	Sanding Sealer	gal	40.00					
	Lacquer Flo	gal	20.00					
	Lacquer Clear Top Coat	gal	55.00					
	Wood Filler	lit	18.00					
	Acrylic Top Coat (Clear)	gal	3.00					
13.1000	Lacquer Thinner	gal	50.00					
	Sub-total							
14.00	Tile Works							
	Chipping Works							
	Chipping & removing of Existing Tiles	sqm	126.70	0.00		0.00		
5.0100	Demolition of Masonry Wall	sqm	45.80	0.00		0.00		
	Main Entry							
	Flooring	sq.m	10.35					
	Unpolished/Non-skid Homogeneous Floor Tile, 60cm x 60cm	pc	30.00					
14.0300	Tile Adhesive 25 kg/bag	bag	2.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Male Common Toilet							
	Wall	sq.m	47.85					
	Glazed Wall Tile, 30cm x 30cm	pc	548.00					
14.16	Tile Adhesive 25 kg/bag	bag	9.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	Flooring	sq.m	27.87					
	Unglazed Floor Tile, 30cm x 30cm	pc	319.00					
14.0300	Tile Adhesive 25 kg/bag	bag	6.00					
14.0500	Tile Grout 5 kg/bag	bag	3.00					
	Female Common Toilet							
	Wall	sq.m	47.85					
	Glazed Wall Tile, 30cm x 30cm	pc	548.00					
14.16	Tile Adhesive 25 kg/bag	bag	9.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	Flooring	sq.m	27.87					
	Unglazed Floor Tile, 30cm x 30cm	pc	319.00					
14.0300	Tile Adhesive 25 kg/bag	bag	6.00					
14.0500	Tile Grout 5 kg/bag	bag	3.00					
	Others							
	Resanding & Resealing of T&G Floor @ GF	sqft	2,370.79					
	Resanding & Resealing of T&G Floor @ 2F	sqft	1,681.72					
	Resanding & Resealing of Wooden Main Stairs (2)	sqft	234.97					
	Sub-total							
16.00	Electronic & Communication Works							
	Fire Alarm System							
10.5100	Fire Alarm Bell, Vibrating Type, 8"	set	2.00					
10.5200	Fire Alarm Station, Manual Single Action Smoke Detector	set	2.00					
		set	12.00					
10.5300	Fire Alarm Control Panel, One Zone	set	1.00					
	2 Beam Emergency Light	set	4.00					
	CCTV System							
	Cable Wires, Category 6	mtr	350.00					
	BNC Connector	pc	8.00					
	Ground Loop Isolator	set	8.00					
	Audio System (Pipe-In)							
	HDMI Cable	mtr	75.00					
	HDMI Splitter with Video Amplifier/Extender (4 input)	unit	4.00					
	Audio Cable	roll	0.75					
	Sub-total							
I	DIRECT COST							
II	INDIRECT COST 17% of (I less Item "I")							
III	TAX 5% of (I + II)							
IV	TOTAL CONSTRUCTION COST (I + II + III)							

Prepared:

Contractor/Bidder/Supplier