

PROGRAM OF WORKS
BILL OF QUANTITIES
REPAIR 2024 - RXI - DAVAO ORIENTAL

School	: MANAY NATIONAL HIGH SCHOOL				Date:				
School I.D	: 304324				Budget Allocation:				
Region	: XI				Engineering and Administrative Overhead:				
Division	: Davao Oriental				Approved Budget for the Contract:				
Project Title	:				Completion Period: 180CD				
REPAIR AND REHABILITATION OF TWO STOREY SIX CLASSROOMS DEPED STANDARD BLDG. (CONCRETE GUTTER), TWO STOREY FOUR CLASSROOMS DEPED STANDARD BLDG. (PLAN INTERNATIONAL), TWO STOREY SIX CLASSROOMS DEPED STANDARD BLDG. (2015), TWO STOREY EIGHT CLASSROOMS DEPED STANDARD LABORATORY BLDG. AND ONE STOREY THREE CLASSROOM DEPED STANDARD					Minimum Required Manpower:				
					Civil Engineer		Welder	Carpenter	Helper
					Electrical Engineer		Mason	Painter	
					General Foreman		Electrician		
Location : Manay, Davao Oriental					Minimum Required Equipment:				
					Hand Tools		Welding Machine		
					One-Bagger Mixer		Bar Cutter		
Item No.	Description	% of Total	Unit	Quantity	Direct Cost		Adjusted Unit Cost	Adjusted Adjusted Total Cost	
					Estimated Direct Cost	Unit Cost			
(1)	(2)	(3)	(4)	(5)	(6)	(7) (6) / (5)	(8) (9) / (5)	(9)	
BLDG. 1 - TWO STOREY SIX CLASSROOMS DEPED STANDARD BLD. (CONCRETE GUTTER)									
A.	Facilities for the Engineer								
A.1	Temporary Facilities		Month	6.00					
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		Ls	1.00					
C.	Mobilization and Demobilization								
C.1	Mobilization and Demobilization		Ls	1.00					
1.0000	Earthworks								
1 (a)	Clearing and Grubbing		sq.m	520.00					
1 (b)	Structural Excavation		cu m	18.06					
1 (d)	Gravel Bedding G-1		cu m	0.90					
2.0000	Concreting Works (3000 psi)								
2 (a)	Demolition of reinforced concrete		cu m	0.72					
2 (b)	Structural Concrete (Footing and Slab on Fill)		cu m	6.90					
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam)		cu m	7.70					
3.0000	Rebar Works								
3 (a)	Reinforcing Steel Bar, Grade 40		kg	233.15					
4.0000	Formworks								
4 (a)	Installation and Removal of Formworks		sq.m	445.50					
5.0000	Masonry Works								
5 (a)	Demolition of Masonry Wall		sq m	7.68					
5 (b)	Masonry (100 mm CHB)		sq.m	42.00					
5 (d)	Plain Cement Plaster Finish		sq.m	465.00					
6.0000	Fabricated Materials and Hardware								
6 (a)	Removal of Door with Jamb		set	18.00					
6 (c)	Hollow Core Flush Door		sq m	11.76					
6 (d)	Wooden Panel Door		sq m	12.60					
6 (e)	Jalousie Window (Glass)		sq m	25.92					
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)		set	13.00					
6 (h)	Security Grilles		ls	1.00					
8.0000	Roofing Works								
8 (a)	Removal of Metal Roofing		sq m	740.00					
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT		lm	407.00					
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)		m	59.00					
9.0000	Ceiling and Carpentry Works								
9 (d)	Removal of Ceiling		sq m	500.30					
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling		sq.m	468.50					
9 (i)	Blackboard		sq.m	31.68					
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					
10 (e)	Ventilating Equipment		Ls	1.00					
10 (f)	Fire Alarm		Ls	1.00					
11.0000	Plumbing Works								

Item No.	Description	% of Total	Unit	Quantity	Direct Cost		Adjusted Unit Cost	Adjusted Adjusted Total Cost
					Estimated Direct Cost	Unit Cost		
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				
13.0000	Painting Works							
13 (a)	Masonry Painting		sq.m	2,463.67				
13 (b)	Wooden Painting		sq.m	592.35				
13 (c)	Metal Painting		sq.m	96.37				
14.0000	Tile Works							
14 (a)	Glazed Tiles and Trims		sq.m	42.30				
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles		sq.m	26.18				
15.0000	Waterproofing							
15 (a)	Waterproofing Cement Base		sq.m	158.50				
BLDG. 2 - TWO STOREY FOUR CLASSROOMS DEPED MODIFIED (PLAN INTERNATIONAL)								
1.0000	Earthworks							
1 (a)	Clearing and Grubbing		sq.m	325.00				
1 (b)	Structural Excavation		cu m	2.73				
1 (d)	Gravel Bedding G-1		cu m	0.54				
2.0000	Concreting Works (3000 psi)							
2 (a)	Demolition of reinforced concrete		cu m	1.41				
2 (b)	Structural Concrete (Footing and Slab on Fill)		cu m	1.13				
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam)		cu m	3.85				
3.0000	Rebar Works							
3 (a)	Reinforcing Steel Bar, Grade 40		kg	233.15				
4.0000	Formworks							
4 (a)	Installation and Removal of Formworks		sq.m	258.00				
5.0000	Masonry Works							
5 (a)	Demolition of Masonry Wall		sq m	49.00				
5 (c)	Masonry (150 mm CHB)		sq.m	21.60				
5 (c)	Masonry (150 mm CHB)		sq.m	52.15				
5 (d)	Plain Cement Plaster Finish		sq.m	462.30				
6.0000	Fabricated Materials and Hardware							
6 (a)	Removal of Door with Jamb		set	14.00				
6 (b)	Removal of Window with Jamb		set	16.00				
6 (c)	Hollow Core Flush Door		sq m	16.80				
6 (d)	Wooden Panel Door		sq m	16.80				
6 (e)	Jalousie Window (Glass)		sq m	35.04				
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)		set	42.00				
6 (h)	Security Grilles		ls	1.00				
7.0000	Steel Works							
7 (c)	Fire Exit Stair (Steel)		kg	109.79				
8.0000	Roofing Works							
8 (a)	Removal of Metal Roofing		sq m	312.00				
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT)		lm	312.00				
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)		m	50.00				
9.0000	Ceiling and Carpentry Works							
9 (d)	Removal of Ceiling		sq m	285.60				
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling		sq.m	299.70				
9 (i)	Blackboard		sq.m	21.12				
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				
10 (e)	Ventilating Equipment		Ls	1.00				
10 (f)	Fire Alarm		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				
13.0000	Painting Works							
13 (a)	Masonry Painting		sq.m	1,321.87				
13 (b)	Wooden Painting		sq.m	351.18				
13 (c)	Metal Painting		sq.m	21.94				
14.0000	Tile Works							
14 (a)	Glazed Tiles and Trims		sq.m	13.70				
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles		sq.m	8.00				
15.0000	Waterproofing							
15 (a)	Waterproofing Cement Base		sq.m	69.00				
BLDG. 3 - TWO STOREY SIX CLASSROOMS DEPED STANDARD SCHOOL BLDG. (2015)								
1.0000	Earthworks							
1 (a)	Clearing and Grubbing		sq.m	429.00				
1 (b)	Structural Excavation		cu m	2.73				

Item No.	Description	% of Total	Unit	Quantity	Direct Cost		Adjusted Unit Cost	Adjusted Adjusted Total Cost
					Estimated Direct Cost	Unit Cost		
1 (d)	Gravel Bedding G-1		cu m	0.54				
2.0000	Concreting Works (3000 psi)							
2 (b)	Structural Concrete (Footing and Slab on Fill)		cu m	0.81				
3.0000	Rebar Works							
3 (a)	Reinforcing Steel Bar, Grade 40		kg	129.53				
4.0000	Formworks							
4 (a)	Installation and Removal of Formworks		sq.m	276.00				
5.0000	Masonry Works							
5 (a)	Demolition of Masonry Wall		sq m	18.00				
5 (b)	Masonry (100 mm CHB)		sq.m	21.60				
5 (d)	Plain Cement Plaster Finish		sq.m	288.99				
6.0000	Fabricated Materials and Hardware							
6 (a)	Removal of Door with Jamb		set	18.00				
6 (b)	Removal of Window with Jamb		set	24.00				
6 (c)	Hollow Core Flush Door		sq m	10.08				
6 (d)	Wooden Panel Door		sq m	25.20				
6 (e)	Jalousie Window (Glass)		sq m	51.12				
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)		set	50.00				
6 (h)	Security Grilles		ls	1.00				
7.0000	Steel Works							
7 (c)	Fire Exit Stair (Steel)		kg	54.89				
8.0000	Roofing Works							
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)		m	59.00				
9.0000	Ceiling and Carpentry Works							
9 (d)	Removal of Ceiling		sq m	377.23				
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling		sq.m	392.70				
9 (j)	Blackboard		sq.m	31.68				
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				
10 (e)	Ventilating Equipment		Ls	1.00				
10 (f)	Fire Alarm		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				
13.0000	Painting Works							
13 (a)	Masonry Painting		sq.m	1,715.67				
13 (b)	Wooden Painting		sq.m	457.05				
13 (c)	Metal Painting		sq.m	67.87				
14.0000	Tile Works							
14 (a)	Glazed Tiles and Trims		sq.m	13.70				
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles		sq.m	8.00				
BLDG. 4 - TWO STOREY EIGHT CLASSROOMS LABORATORY DEPED STANDARD SCHOOL BLDG.								
1.0000	Earthworks							
1 (a)	Clearing and Grubbing		sq.m	611.00				
1 (b)	Structural Excavation		cu m	9.86				
1 (d)	Gravel Bedding G-1		cu m	47.54				
1 (e)	Embankment		cu m	28.20				
2.0000	Concreting Works (3000 psi)							
2 (a)	Demolition of reinforced concrete		cu m	44.65				
2 (b)	Structural Concrete (Footing and Slab on Fill)		cu m	45.46				
3.0000	Rebar Works							
3 (a)	Reinforcing Steel Bar, Grade 40		kg	1,905.88				
4.0000	Formworks							
4 (a)	Installation and Removal of Formworks		sq.m	212.40				
5.0000	Masonry Works							
5 (a)	Demolition of Masonry Wall		sq m	267.00				
5 (b)	Masonry (100 mm CHB)		sq.m	72.00				
5 (c)	Masonry (150 mm CHB)		sq.m	293.80				
5 (d)	Plain Cement Plaster Finish		sq.m	1,344.65				
5 (e)	Plain Cement floor Finish		sq.m	446.50				
6.0000	Fabricated Materials and Hardware							
6 (a)	Removal of Door with Jamb		set	33.00				
6 (b)	Removal of Window with Jamb		set	32.00				
6 (c)	Hollow Core Flush Door		sq m	28.56				
6 (d)	Wooden Panel Door		sq m	33.60				
6 (e)	Jalousie Window (Glass)		sq m	102.24				
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)		set	63.00				
6 (h)	Security Grilles		ls	1.00				
8.0000	Roofing Works							
8 (a)	Removal of Metal Roofing		sq m	611.00				

Item No.	Description	% of Total	Unit	Quantity	Direct Cost		Adjusted Unit Cost	Adjusted Adjusted Total Cost
					Estimated Direct Cost	Unit Cost		
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT		sq.m	611.00				
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)		m	73.00				
9.0000	Ceiling and Carpentry Works							
9 (d)	Removal of Ceiling		sq m	587.50				
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling		sq.m	608.68				
9 (h)	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 Metal Frame Double Partition		sq.m	57.00				
9 (i)	Blackboard		sq.m	21.12				
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				
10 (e)	Ventilating Equipment		Ls	1.00				
10 (f)	Fire Alarm		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				
13.0000	Painting Works							
13 (a)	Masonry Painting		sq.m	1,954.37				
13 (b)	Wooden Painting		sq.m	831.82				
13 (c)	Metal Painting		sq.m	96.37				
14.0000	Tile Works							
14 (a)	Glazed Tiles and Trims		sq.m	84.60				
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles		sq.m	52.36				
15.0000	Waterproofing							
15 (a)	Waterproofing Cement Base		sq.m	35.00				
BLDG. 5 - ONE STOREY THREE CLASSROOMS DEPED STANDARD SCHOOL BLDG.								
1.0000	Earthworks							
1 (a)	Clearing and Grubbing		sq.m	270.00				
1 (d)	Gravel Bedding G-1		cu m	22.95				
2.0000	Concreting Works (3000 psi)							
2 (a)	Demolition of reinforced concrete		cu m	22.95				
2 (b)	Structural Concrete (Footing and Slab on Fill)		cu m	23.90				
3.0000	Rebar Works							
3 (a)	Reinforcing Steel Bar, Grade 40		kg	958.49				
5.0000	Masonry Works							
5 (b)	Masonry (100 mm CHB)		sq.m	5.40				
5 (d)	Plain Cement Plaster Finish		sq.m	40.80				
5 (e)	Plain Cement floor Finish		sq.m	229.50				
6.0000	Fabricated Materials and Hardware							
6 (a)	Removal of Door with Jamb		set	9.00				
6 (b)	Removal of Window with Jamb		set	12.00				
6 (c)	Hollow Core Flush Door		sq m	5.04				
6 (d)	Wooden Panel Door		sq m	12.60				
6 (e)	Jalousie Window (Glass)		sq m	25.20				
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)		set	24.00				
6 (h)	Security Grilles		ls	1.00				
8.0000	Roofing Works							
8 (a)	Removal of Metal Roofing		sq m	261.32				
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT		sq.m	262.00				
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)		m	46.60				
9.0000	Ceiling and Carpentry Works							
9 (d)	Removal of Ceiling		sq m	255.76				
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling		sq.m	255.76				
9 (i)	Blackboard		sq.m	15.84				
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				
10 (e)	Ventilating Equipment		Ls	1.00				
10 (f)	Fire Alarm		Ls	1.00				
11.0000	Plumbing Works							
11 (a)	Waterline Works		Ls	1.00				

Item No.	Description	% of Total	Unit	Quantity	Direct Cost		Adjusted Unit Cost	Adjusted Adjusted Total Cost
					Estimated Direct Cost	Unit Cost		
12.0000	Sanitary Works							
12 (a)	Sewer Line Works		Ls	1.00				
12 (b)	Sanitary/ Plumbing Fixtures		Ls	1.00				
12 (c)	Three Chamber Septic Vault		Ls	1.00				
13.0000	Painting Works							
13 (a)	Masonry Painting		sq.m	663.52				
13 (b)	Wooden Painting		sq.m	279.18				
13 (c)	Metal Painting		sq.m	30.00				
14.0000	Tile Works							
14 (a)	Glazed Tiles and Trims		sq.m	21.60				
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles		sq.m	9.45				
						Total Construction Cost		

Prepared by:

Bidder

PROGRAM OF WORKS

DETAILED COST ESTIMATE

PROJECT : REPAIR AND REHABILITATION OF TWO STOREY SIX CLASSROOMS DEPED STANDARD BLDG. (CONCRETE GUTTER), TWO STOREY FOUR CLASSROOMS DEPED STANDARD BLDG. (PLAN INTERNATIONAL), TWO STOREY SIX CLASSROOMS DEPED STANDARD BLDG. (2015), TWO STOREY EIGHT CLASSROOMS DEPED STANDARD LABORATORY BLDG. AND ONE STOREY THREE CLASSROOM DEPED STANDARD

SCHOOL : MANAY NATIONAL HIGH SCHOOL

LOCATION : Manay, Davao Oriental

OWNER : DEPARTMENT OF EDUCATION

CONTRACT DURATION : 180 CD

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UP		VAT (5%)	TOTAL INDIRECT COST	ADJUSTED TOTAL COST	ADJUSTED UNIT COST
					OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
					(6) + (7)	(5) x (8)	5% [(5) + (9)]	(9) + (10)	(12) + (11)	(13) + (12) / (3)		
BLDG. 1 - TWO STOREY SIX CLASSROOMS DEPED STANDARD BLD. (CONCRETE GUTTER)												
A.	Facilities for the Engineer											
A.1	Temporary Facilities	6.00	Month									
B.	Other General Requirements											
B.1	Fire Safety Inspection Certificate (FSIC)	1.00	lot									
SPL 1	Project Billboard	1.00	Each									
SPL 2	Construction Safety and Health	1.00	Ls									
C.	Mobilization and Demobilization											
C.1	Mobilization and Demobilization	1.00	Ls									
1.0000	Earthworks											
1 (a)	Clearing and Grubbing	520.00	sq.m									
1 (b)	Structural Excavation	18.06	cu m									
1 (d)	Gravel Bedding G-1	0.90	cu m									
2.0000	Concreting Works (3000 psi)											
2 (a)	Demolition of reinforced concrete	0.72	cu m									
2 (b)	Structural Concrete (Footing and Slab on Fill)	6.90	cu m									
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam)	7.70	cu m									
3.0000	Rebar Works											
3 (a)	Reinforcing Steel Bar, Grade 40	233.15	kg									
4.0000	Formworks											
4 (a)	Installation and Removal of Formworks	445.50	sq.m									
5.0000	Masonry Works											
5 (a)	Demolition of Masonry Wall	7.68	sq m									
5 (b)	Masonry (100 mm CHB)	42.00	sq.m									
5 (d)	Plain Cement Plaster Finish	465.00	sq.m									
6.0000	Fabricated Materials and Hardware											
6 (a)	Removal of Door with Jamb	18.00	set									
6 (c)	Hollow Core Flush Door	11.76	sq m									
6 (d)	Wooden Panel Door	12.60	sq m									
6 (e)	Jalousie Window (Glass)	25.92	sq m									
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)	13.00	set									
6 (h)	Security Grilles	1.00	ls									
8.0000	Roofing Works											
8 (a)	Removal of Metal Roofing	740.00	sq m									
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT	407.00	lm									
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)	59.00	m									
9.0000	Ceiling and Carpentry Works											
9 (d)	Removal of Ceiling	500.30	sq m									
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling	468.50	sq.m									
9 (i)	Blackboard	31.68	sq.m									
10.0000	Electrical Works											
10 (a)	Conduit, Boxes and Fitting	1.00	Ls									
10 (b)	Wires and Wiring Devices	1.00	Ls									
10 (c)	Lighting Fixture/ Fixture	1.00	Ls									
10 (d)	Panel Board and Cabinets	1.00	Ls									
10 (e)	Ventilating Equipment	1.00	Ls									
10 (f)	Fire Alarm	1.00	Ls									
11.0000	Plumbing Works											
11 (a)	Waterline Works	1.00	Ls									
12.0000	Sanitary Works											
12 (a)	Sewer Line Works	1.00	Ls									
12 (b)	Sanitary/ Plumbing Fixtures	1.00	Ls									
13.0000	Painting Works											
13 (a)	Masonry Painting	2,463.67	sq.m									
13 (b)	Wooden Painting	592.35	sq.m									
13 (c)	Metal Painting	96.37	sq.m									
14.0000	Tile Works											
14 (a)	Glazed Tiles and Trims	15.00	sq.m									
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles	26.18	sq.m									
15.0000	Waterproofing											
15 (a)	Waterproofing Cement Base	158.50	sq.m									
BLDG. 2 - TWO STOREY FOUR CLASSROOMS DEPED MODIFIED (PLAN INTERNATIONAL)												
1.0000	Earthworks											

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UP		VAT (5%)	TOTAL INDIRECT COST	ADJUSTED TOTAL COST	ADJUSTED UNIT COST
					OCM	PROFIT	%	VALUE				
1 (a)	Clearing and Grubbing	325.00	sq.m									
1 (b)	Structural Excavation	2.73	cu m									
1 (d)	Gravel Bedding G-1	0.54	cu m									
2.0000	Concreting Works (3000 psi)											
2 (a)	Demolition of reinforced concrete	1.41	cu m									
2 (b)	Structural Concrete (Footing and Slab on Fill)	1.13	cu m									
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam)	3.85	cu m									
3.0000	Rebar Works											
3 (a)	Reinforcing Steel Bar, Grade 40	233.15	kg									
4.0000	Formworks											
4 (a)	Installation and Removal of Formworks	258.00	sq.m									
5.0000	Masonry Works											
5 (a)	Demolition of Masonry Wall	49.00	sq m									
5 (b)	Masonry (100 mm CHB)	21.60	sq.m									
5 (c)	Masonry (150 mm CHB)	52.15	sq.m									
5 (d)	Plain Cement Plaster Finish	462.30	sq.m									
6.0000	Fabricated Materials and Hardware											
6 (a)	Removal of Door with Jamb	14.00	set									
6 (b)	Removal of Window with Jamb	16.00	set									
6 (c)	Hollow Core Flush Door	16.80	sq m									
6 (d)	Wooden Panel Door	16.80	sq m									
6 (e)	Jalousie Window (Glass)	35.04	sq m									
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)	42.00	set									
6 (h)	Security Grilles	1.00	ls									
7.0000	Steel Works											
7 (c)	Fire Exit Stair (Steel)	109.79	kg									
8.0000	Roofing Works											
8 (a)	Removal of Metal Roofing	312.00	sq m									
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT	312.00	lm									
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)	50.00	m									
9.0000	Ceiling and Carpentry Works											
9 (d)	Removal of Ceiling	285.60	sq m									
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling	299.70	sq.m									
9 (j)	Blackboard	21.12	sq.m									
10.0000	Electrical Works											
10 (a)	Conduit, Boxes and Fitting	1.00	Ls									
10 (b)	Wires and Wiring Devices	1.00	Ls									
10 (c)	Lighting Fixture/ Fixture	1.00	Ls									
10 (d)	Panel Board and Cabinets	1.00	Ls									
10 (e)	Ventilating Equipment	1.00	Ls									
10 (f)	Fire Alarm	1.00	Ls									
11.0000	Plumbing Works											
11 (a)	Waterline Works	1.00	Ls									
12.0000	Sanitary Works											
12 (a)	Sewer Line Works	1.00	Ls									
12 (b)	Sanitary/ Plumbing Fixtures	1.00	Ls									
13.0000	Painting Works											
13 (a)	Masonry Painting	1,321.87	sq.m									
13 (b)	Wooden Painting	351.18	sq.m									
13 (c)	Metal Painting	21.94	sq.m									
14.0000	Tile Works											
14 (a)	Glazed Tiles and Trims	13.70	sq.m									
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles	8.00	sq.m									
15.0000	Waterproofing											
15 (a)	Waterproofing Cement Base	64.20	sq.m									
BLDG. 3 - TWO STOREY SIX CLASSROOMS DEPED STANDARD SCHOOL BLDG. (2015)												
1.0000	Earthworks											
1 (a)	Clearing and Grubbing	429.00	sq.m									
1 (b)	Structural Excavation	2.73	cu m									
1 (d)	Gravel Bedding G-1	0.54	cu m									
2.0000	Concreting Works (3000 psi)											
2 (b)	Structural Concrete (Footing and Slab on Fill)	0.81	cu m									
3.0000	Rebar Works											
3 (a)	Reinforcing Steel Bar, Grade 40	129.53	kg									
4.0000	Formworks											
4 (a)	Installation and Removal of Formworks	276.00	sq.m									
5.0000	Masonry Works											
5 (a)	Demolition of Masonry Wall	18.00	sq m									
5 (b)	Masonry (100 mm CHB)	21.60	sq.m									
5 (d)	Plain Cement Plaster Finish	288.99	sq.m									
6.0000	Fabricated Materials and Hardware											
6 (a)	Removal of Door with Jamb	18.00	set									
6 (b)	Removal of Window with Jamb	24.00	set									
6 (c)	Hollow Core Flush Door	10.08	sq m									
6 (d)	Wooden Panel Door	25.20	sq m									
6 (e)	Jalousie Window (Glass)	51.12	sq m									
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)	50.00	set									
6 (h)	Security Grilles	1.00	ls									

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UP		VAT (5%)	TOTAL INDIRECT COST	ADJUSTED TOTAL COST	ADJUSTED UNIT COST
					OCM	PROFIT	%	VALUE				
7.0000	Steel Works											
7 (c)	Fire Exit Stair (Steel)	54.89	kg									
8.0000	Roofing Works											
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)	59.00	m									
9.0000	Ceiling and Carpentry Works											
9 (d)	Removal of Ceiling	377.23	sq m									
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling	392.70	sq.m									
9 (j)	Blackboard	31.68	sq.m									
10.0000	Electrical Works											
10 (a)	Conduit, Boxes and Fitting	1.00	Ls									
10 (b)	Wires and Wiring Devices	1.00	Ls									
10 (c)	Lighting Fixture/ Fixture	1.00	Ls									
10 (d)	Panel Board and Cabinets	1.00	Ls									
10 (e)	Ventilating Equipment	1.00	Ls									
10 (f)	Fire Alarm	1.00	Ls									
11.0000	Plumbing Works											
11 (a)	Waterline Works	1.00	Ls									
12.0000	Sanitary Works											
12 (a)	Sewer Line Works	1.00	Ls									
12 (b)	Sanitary/ Plumbing Fixtures	1.00	Ls									
13.0000	Painting Works											
13 (a)	Masonry Painting	1,715.67	sq.m									
13 (b)	Wooden Painting	457.05	sq.m									
13 (c)	Metal Painting	67.87	sq.m									
14.0000	Tile Works											
14 (a)	Glazed Tiles and Trims	13.70	sq.m									
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles	8.00	sq.m									
BLDG. 4 - TWO STOREY EIGHT CLASSROOMS LABORATORY DEPED STANDARD SCHOOL BLDG.												
1.0000	Earthworks											
1 (a)	Clearing and Grubbing	611.00	sq.m									
1 (b)	Structural Excavation	9.86	cu m									
1 (d)	Gravel Bedding G-1	47.54	cu m									
1 (e)	Embankment	28.20	cu m									
2.0000	Concreting Works (3000 psi)											
2 (a)	Demolition of reinforced concrete	44.65	cu m									
2 (b)	Structural Concrete (Footing and Slab on Fill)	45.46	cu m									
3.0000	Rebar Works											
3 (a)	Reinforcing Steel Bar, Grade 40	1,905.88	kg									
4.0000	Formworks											
4 (a)	Installation and Removal of Formworks	212.40	sq.m									
5.0000	Masonry Works											
5 (a)	Demolition of Masonry Wall	267.00	sq m									
5 (b)	Masonry (100 mm CHB)	72.00	sq.m									
5 (c)	Masonry (150 mm CHB)	293.80	sq.m									
5 (d)	Plain Cement Plaster Finish	1,344.65	sq.m									
5 (e)	Plain Cement floor Finish	446.50	sq.m									
6.0000	Fabricated Materials and Hardware											
6 (a)	Removal of Door with Jamb	33.00	set									
6 (b)	Removal of Window with Jamb	32.00	set									
6 (c)	Hollow Core Flush Door	28.56	sq m									
6 (d)	Wooden Panel Door	33.60	sq m									
6 (e)	Jalousie Window (Glass)	102.24	sq m									
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)	63.00	set									
6 (h)	Security Grilles	1.00	ls									
8.0000	Roofing Works											
8 (a)	Removal of Metal Roofing	611.00	sq m									
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT	611.00	sq.m									
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)	73.00	m									
9.0000	Ceiling and Carpentry Works											
9 (d)	Removal of Ceiling	587.50	sq m									
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling	608.68	sq.m									
9 (h)	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 Metal Frame Double Partition	57.00	sq.m									
9 (i)	Blackboard	21.12	sq.m									
10.0000	Electrical Works											
10 (a)	Conduit, Boxes and Fitting	1.00	Ls									

