PROGRAM OF WORKS

DETAILED COST ESTIMATE

(TOTAL CONSTRUCTION COST/ ABC) REPAIR 2024 - RXI - DAVAO ORIENTAL

PROJECT : REPAIR OF 1 UNIT 1STRY-2CL MARCOS PREFAB, 1 UNIT 1STRY-1CL DEPED MODIFIED AND 1 UNIT 1STRY-3CL DEPED STANDARD - OSMEÑA ES

SCHOOL : OSMEÑA ELEMENTARY SCHOOL LOCATION : Governor Generoso, Davao Oriental OWNER : DEPARTMENT OF EDUCATION

Description	OWNER	: DEPARTMENT OF EDUCATION						CONTRACT DURATION :		120	CD		
Column C		DESCRIPTION	QUANTITY	UNIT	DIRECT	IN PE	RCENT		1	VAT (5%)		TOTAL	UNIT
SECURITY S	(1)	(2)	(3)	(4)	(5)			(8)	(9)			(12)	(13)
A. 1. Tempory Fortières 8. Diver Convent Registrements 9. C. 1. Tempory Fortières 9. C. 1. Tempory Fortière 9. C. 1. Tempory Fortières 9.	BLDG. 1 - 1 UN	NIT 2CL MARCOS PREFAB						(0) + (1)	(3) x (0)	376 [(3) + (3)]	(9) + (10)	(3) + (11)	(12)7(3)
A 1 Comprow Trailine													
Part			4.00	Month									
Sect	В.	Other General Requirements											
C. Mobilitation and Demonstrations 1.00 1.0	SPL 1		1.00	Each									
C. Maillations and Demochlations 1.00	SPL 2	Construction Safety and Health	1.00	Ls									
Description	C.												
1989	C.1	Mobilization and Demobilization	1.00	Ls									
1-9 Security Exercision 1.74 Security 1.28 Security	1.0000	Earthworks	-										
1-96	1 (a)	Clearing and Grubbing	24.00	sq.m									
1981 Sheakwarat	1 (b)	Structural Excavation	17.44	cu m									
	1 (d)	Gravel Bedding G-1	1.26	cu m									
200 Security Control (Following and Bible on Fill) 1.98 2.77 2.07 2	1 (e)	Embankment	1.80	cu m									
Structural Concess (Prioring Te Rasen, Column, Supported) Supported Remoth Supporte	2.0000	Concreting Works (3000 psi)	-										
State Stat	2 (b)	Structural Concrete (Footing and Slab on Fill)	3.96	cu m									
Second	2 (c)		0.47	cu m									
Second	3.0000	Rebar Works											
Second			431.95	kg	1								1
Material Labor and Removed of Formourles 28.05 Sept.				9									
Second Measury Works			28.05	sa.m									
Security College Security Co				* 4									
See Missory (100 mm CHB)		-	60.00	sa m									
Pair Carenet Planset Florath 204.52 sqr		-											
6.000 Reinciard Materials and Nacroscope 1.00													
6			201.02	04									
Selection Hellow Core Flash Door			2.00	set									
6 (a) Mooden Panel Door													
6 (e)													
6 (i) Flames (Jambs, Sill, Head, Transoms, and Mullions)													
6 Ph Security Grilles		i i											
7.000 Seel Works													
7 (c) Structural Steel Roof Truss 100.79 kg													
7 (d) Structural Steel Putlins 110.17 kg			109.79	kg									
8.000 Removal of Metal Roofing Accessory (Ridger Hip Rolls/ Fabricated Metal Roofing Accessory (Ri													
8 (a) Removal of Metal Roofing													
8 (b) Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT above			134.40	sq m									
Second Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll) 38.90 m		Pre - painted Metal Sheets (Corrugated, Short Span/ Long											
9 0000 Celling and Carpentry Works	8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/	38.90	m									
9 (c) Removal of Partition 21.00 sq m	9.0000												
9 (d) Removal of Ceiling			21.00	sa m									
4.5mm Fiber Cement Board/ 4.5mm Marine Plywood in Wood Frame Ceiling 134.40 sq.m													
10.0000 Electrical Works		4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood in Wood Frame											
10.0000 Electrical Works	9 (i)	Blackboard	11.52	sq.m									
10 (a) Conduit, Boxes and Fitting 1.00 Ls				•									<u> </u>
10 (b) Wires and Wiring Devices 1.00 Ls			1.00	Ls		1							
10 (c) Lighting Fixture Fixture 1.00 Ls						1							
10 (d)						1							
10 (e) Ventilating Equipment 1.00 Ls Image: Control of the contro						1							
11.0000 Plumbing Works													
11 (a) Waterline Works 1.00 Ls </td <td></td>													
12.0000 Sanitary Works 1.00 Ls Image: Control of the control of t			1.00	Ls		1							
12 (a) Sewer Line Works 1.00 Ls 12 (b) Sanitary/ Plumbing Fixtures 1.00 Ls 12 (c) Three Chamber Septic Vault 1.00 Ls 13.0000 Painting Works						1							
12 (b) Sanitary/ Plumbing Fixtures 1.00 Ls .			1.00	Ls		1							
12 (c) Three Chamber Septic Vault 1.00 Ls					1								
13.0000 Painting Works						1							
	13.0000												
		Masonry Painting	342.24	sq.m									

	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS		TOTAL MARK-UP				ADJUSTED	ADJUSTED
ITEM NO.						RCENT		1	VAT (5%)	TOTAL INDIRECT COST	TOTAL	UNIT
	W				ОСМ	PROFIT	%	VALUE			COST	COST
	Wooden Painting Metal Painting	138.00 39.00	sq.m sq.m									
	Tile Works	00.00	34.111									
	Glazed Tiles and Trims	10.80	sq.m									
	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles	3.60	sq.m									
BLDG. 2 - 1 UN	IT 3CL BLSB II											
1.0000	Earthworks											
1 (a)	Clearing and Grubbing	36.00	sq.m									
	Structural Excavation	18.72	cu m									
1 (d)	Gravel Bedding G-1	1.00	cu m									
2.0000 2 (b)	Concreting Works (3000 psi) Structural Concrete (Footing and Slab on Fill)	0.83	cu m									
2 (0)		0.03	Cum									
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam)	2.46	cu m									
3.0000	Rebar Works											
3 (a)	Reinforcing Steel Bar, Grade 40	318.26	kg									
4.0000	Formworks											
4 (a)	Installation and Removal of Formworks	7.44	sq.m									
	Masonry Works				<u> </u>							
5 (a)	Demolition of Masonry Wall	6.00	sq m									
5 (b)	Masonry (100 mm CHB)	38.55	sq.m									
5 (d) 6.0000	Plain Cement Plaster Finish Fabricated Materials and Hardware	77.10	sq.m									
6.0000 6 (a)	Removal of Door with Jamb	6.00	set									
6 (b)	Removal of Window with Jamb	6.00	set									
6 (c)	Hollow Core Flush Door	5.04	sq m									
6 (d)	Wooden Panel Door	6.30	sq m									
6 (e)	Jalousie Window (Glass)	20.58	sq m									
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)	21.00	set									
6 (h)	Security Grilles	1.00	ls									
8.0000	Roofing Works											
8 (a)	Removal of Metal Roofing	242.88	sq m									
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT	221.00	lm									
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)	44.80	m									
	Ceiling and Carpentry Works											
9 (c)	Removal of Partition	42.00	sq m									
9 (d)	Removal of Ceiling	209.76	sq m		1							
9 (e)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood in Wood Frame Ceiling	204.48	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	158.80	sq.m									
9 (i)	Blackboard	17.28	sq.m									
	Electrical Works		-									
10 (a)	Conduit, Boxes and Fitting	1.00	Ls		ļ							
	Wires and Wiring Devices	1.00	Ls									
10 (c)	Lighting Fixture/ Fixture	1.00	Ls		1							
	Panel Board and Cabinets Ventilating Equipment	1.00	Ls Ls		-							
10 (e) 11.0000	Ventilating Equipment Plumbing Works	1.00	LS		1							
11.0000 11 (a)	Waterline Works	1.00	Ls		1							
	Sanitary Works				<u> </u>							
12 (a)	Sewer Line Works	1.00	Ls		1							
12 (b)	Sanitary/ Plumbing Fixtures	1.00	Ls		İ							
12 (c)	Three Chamber Septic Vault	1.00	Ls									
13.0000	Painting Works											
13 (a)	Masonry Painting	169.10	sq.m									
13 (b)	Wooden Painting	446.60	sq.m		ļ							
14.0000	Tile Works											
	Glazed Tiles and Trims	16.20	sq.m		1							
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles	5.40	sq.m						TOTAL COLL	TRUCTION COST		
									TOTAL CONS	STRUCTION COST		

5 (a)	Demolition of Masonry Wall	6.00	sq m					
5 (b)	Masonry (100 mm CHB)	38.55	sq.m					
5 (d)	Plain Cement Plaster Finish	77.10	sq.m					
6.0000	Fabricated Materials and Hardware							
6 (a)	Removal of Door with Jamb	6.00	set					
6 (b)	Removal of Window with Jamb	6.00	set					
6 (c)	Hollow Core Flush Door	5.04	sq m					
6 (d)	Wooden Panel Door	6.30	sq m					
6 (e)	Jalousie Window (Glass)	20.58	sq m					
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)	21.00	set					
6 (h)	Security Grilles	1.00	ls					
8.0000	Roofing Works							
8 (a)	Removal of Metal Roofing	242.88	sq m					
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT	221.00	lm					
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)	44.80	m					
9.0000	Ceiling and Carpentry Works							
9 (c)	Removal of Partition	42.00	sq m					
9 (d)	Removal of Ceiling	209.76	sq m					
9 (e)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood in Wood Frame Ceiling	204.48	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	158.80	sq.m					
9 (i)	Blackboard	17.28	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					
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					
12 (c)	Three Chamber Septic Vault	1.00	Ls					
13.0000	Painting Works							
13 (a)	Masonry Painting	169.10	sq.m					
13 (b)	Wooden Painting	446.60	sq.m					
	_							
14.0000	Tile Works	ļ ļ						l
14.0000 14 (a)	Tile Works Glazed Tiles and Trims	16.20	sq.m					
	Glazed Tiles and Trims							
14 (a)		16.20 5.40	sq.m sq.m			TOTAL CONS	STRUCTION COST	
14 (a)	Glazed Tiles and Trims					TOTAL CONS	STRUCTION COST	

г герагеа Бу.		
Proprietor		

PROGRAM OF WORKS

BILL OF QUANTITIES

REPAIR 2024 - RXI - DAVAO ORIENTAL

School I.D School I.D Region Division	: OSMEÑA ELEMENTARY SCHOOL : 129284 : XI			1	tion:										
Region Division					Date:										
Division	· Ai						Budget Allocation:								
	: Davao Oriental			Engineering and Administrative Overhead: Approved Budget for the Contract:											
Project Title				Approved Budget for the Contract: Completion Period: 120CD											
r roject ritte	<u> </u>				uired Manpower		12000								
•				Civil Engineer	uneu Manpowei	Welder	Carpenter								
REI	PAIR OF 1 UNIT 1STRY-2CL MARCOS PREFAB AND 1 UNIT 1STRY-3CL BLSE	B II - OSMEÑA E	S	General Forema	an	Mason	Painter								
1				Helper	all	Electrical Engine									
Location	:				uired Equipmen		ei								
Location	:			Hand Tools	uirea Equipmen	Welding Machine									
•	Governor Generoso, Davao Oriental			One-Bagger Mi	ivor	Bar Cutter	3								
				One-Bagger Wil	ixei	Dai Cullei									
		%			Direc	ct Cost	Adjusted	Adjusted							
Item No.	Description	of Total	Unit	Quantity	Estimated Direct Cost	Unit Cost	Unit	Adjusted Total Cost							
(1)	(2)	(3)	(4)	(5)	(6)	(7) (6) / (5)	(8) (9) / (5)	(9)							
BLDG. 1 - 1 UN	IT 2CL MARCOS PREFAB					, , , ,	,,,,,								
A.	Facilities for the Engineer														
A.1	Temporary Facilities		Month	4.00											
B.	Other General Requirements														
SPL 1	Project Billboard		Each	1.00											
SPL 2	Construction Safety and Health		Ls	1.00	<u> </u>										
C.	Mobilization and Demobilization														
C.1	Mobilization and Demobilization		Ls	1.00											
1.0000	Earthworks														
1 (a)	Clearing and Grubbing		sq.m	24.00											
1 (b)	Structural Excavation		cu m	17.44											
1 (d)	Gravel Bedding G-1		cu m	1.26											
1 (e)	Embankment		cu m	1.80											
2.0000	Concreting Works (3000 psi)														
2 (b)	Structural Concrete (Footing and Slab on Fill)		cu m	3.96											
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam)		cu m	0.47											
3.0000	Rebar Works														
3 (a)	Reinforcing Steel Bar, Grade 40		kg	431.95											
4.0000	Formworks														
4 (a)	Installation and Removal of Formworks		sq.m	28.05											
5.0000	Masonry Works														
5 (a)	Demolition of Masonry Wall		sq m	60.00											
5 (b)	Masonry (100 mm CHB)		sq.m	102.16											
5 (d)	Plain Cement Plaster Finish		sq.m	204.32											
6.0000	Fabricated Materials and Hardware														
6 (a)	Removal of Door with Jamb		set	2.00											
6 (c)	Hollow Core Flush Door		sq m	3.36											
6 (d)	Wooden Panel Door		sq m	4.20											
6 (e)	Jalousie Window (Glass)		sq m	13.72											
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)		set	14.00											
6 (h) 7.0000	Security Grilles Steel Works		ls	1.00		1		+							
7.0000 7 (c)	Structural Steel Roof Truss		ka	109.79		 		+							
7 (c) 7 (d)	Structural Steel Purlins		kg kg	110.17		1		+							
8.0000	Roofing Works		ĸy	110.17				+							
8 (a)	Removal of Metal Roofing		sq m	134.40											
	Pre - painted Metal Sheets (Corrugated, Short Span/ Long		59111	134.40											
8 (b)	Span, below 0.427 BMT/ above 0.427 BMT		lm	123.00											
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)		m	38.90											
9.0000	Ceiling and Carpentry Works					ļ		ļ							
9 (c)	Removal of Partition		sq m	21.00		ļ		ļ							
9 (d)	Removal of Ceiling		sq m	84.00				1							
9 (e)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood in Wood Frame Ceiling		sq.m	134.40											
9 (i)	Blackboard		sq.m	11.52											
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											
	Ventilating Equipment		Ls	1.00											
10 (e)				1											
	Plumbing Works														
10 (e)			Ls	1.00											
10 (e) 11.0000	Plumbing Works		Ls	1.00											

		%			Direc	t Cost	Adjusted	Adjusted
Item No.	Description	of Total	Unit	Quantity	Estimated Direct Cost	Unit Cost	Unit	Adjusted Total Cost
12 (b)	Sanitary/ Plumbing Fixtures		Ls	1.00				
12 (c)	Three Chamber Septic Vault		Ls	1.00				
	Painting Works			0.40.04				
13 (a) 13 (b)	Masonry Painting Wooden Painting		sq.m	342.24 138.00				-
13 (b)	Metal Painting Metal Painting		sq.m sq.m	39.00				
	Tile Works		34.111	39.00				
14 (a)	Glazed Tiles and Trims		sq.m	10.80				
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles		sq.m	3.60				
BLDG. 2 - 1 UNIT	T 3CL BLSB II		·					
1.0000	Earthworks							
1 (a)	Clearing and Grubbing		sq.m	36.00				
1 (b)	Structural Excavation		cu m	18.72				
1 (d)	Gravel Bedding G-1		cu m	1.00				
	Concreting Works (3000 psi)							
2 (b)	Structural Concrete (Footing and Slab on Fill)		cu m	0.83				
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam)		cu m	2.46				
	Rebar Works			212.22				
3 (a)	Reinforcing Steel Bar, Grade 40 Formworks		kg	318.26			 	1
4.0000 4 (a)	Installation and Removal of Formworks		ga m	7.44			+	+
5.0000	Masonry Works		sq.m	7.44			 	+
5 (a)	Demolition of Masonry Wall		sq m	6.00				
5 (b)	Masonry (100 mm CHB)		sq.m	38.55				
5 (d)	Plain Cement Plaster Finish		sq.m	77.10				
6.0000	Fabricated Materials and Hardware							
6 (a)	Removal of Door with Jamb		set	6.00				
6 (b)	Removal of Window with Jamb		set	6.00				
6 (c)	Hollow Core Flush Door		sq m	5.04				
	Wooden Panel Door		sq m	6.30				
6 (e)	Jalousie Window (Glass)		sq m	20.58				
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)		set	21.00				
6 (h) 8.0000	Security Grilles Roofing Works		ls	1.00				
8 (a)	Removal of Metal Roofing		sq m	242.88				
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT		lm	221.00				
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)		m	44.80				
9.0000	Ceiling and Carpentry Works							
9 (c)	Removal of Partition		sq m	42.00				
9 (d)	Removal of Ceiling		sq m	209.76				
9 (e)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood in Wood Frame Ceiling		sq.m	204.48				
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	158.80				
9 (i)	Blackboard		sq.m	17.28				
	Electrical Works		<u>'</u>	,				
	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			ļ	1
	Ventilating Equipment		Ls	1.00			1	+
	Plumbing Works		1.	1.00			 	1
	Waterline Works		Ls	1.00			 	+
12.0000 12 (a)	Sanitary Works Sewer Line Works		Ls	1.00			+	+
12 (a) 12 (b)	Sanitary/ Plumbing Fixtures		Ls	1.00			 	+
12 (c)	Three Chamber Septic Vault		Ls	1.00				+
13.0000	Painting Works						1	
13 (a)	Masonry Painting		sq.m	169.10				
	Wooden Painting		sq.m	446.60				
14.0000	Tile Works							
14 (a)	Glazed Tiles and Trims		sq.m	16.20				
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles		sq.m	5.40				
						Total Co	nstruction Cost	

Cost