



Republic of the Philippines
Department of Agriculture
BUREAU OF SOILS AND WATER MANAGEMENT
SRDC Building Elliptical Road corner Visayas Avenue,
Diliman, Quezon City 1101
customers.center@bswm.da.gov.ph
Tel. no. (632) 8273-2474 local 3202

BSWM- BIDS AND AWARDS COMMITTEE SUPPLEMENTAL BID BULLETIN NO. 3

CONTRACT: Upgrading of the BSWM-SWRRD Research Laboratories for Strengthening R4D on Soil and Water Resources Management for CY 2024 - Phase I - IB NO: BSWM-2024-01-017

This Addendum is being issued in accordance with Section 22.5.2 of the IRR of RA 9184, to clarify and modify some provisions of the Bidding Document. **THIS SHALL FORM AN INTEGRAL PART OF THE BID DOCUMENT.**

Revised Timelines of Activities:

Submission: on or before February 15, 2024, 9:00AM

Opening of Bids: February 15, 2024, 9:30AM

<u>Please see attached updated and revised Sample Cost Estimates and Bill of Quantities as Annex A.</u>

For guidance and information of all concerned.

(Sgd)DENISE A. SOLANO BAC Chairperson



Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on

Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

PROJECT RECAPITULATION

A. Mobilization	50,000.00
B. Weighing Room	371,959.55
C. Soil and Water Quality Improvement Laboratory	1,133,831.15
D. Instrument Room	679,375.50
E. Soil Biological Resources and Management Laboratory Extension	732,256.80
F. Soil Biological Resources and Management Laboratory	533,261.60
G. SWRRDX-Ray Room	576,144.10
H. Soil Physics and Mineralogy Laboratory	765,886.60
I. Chemical Stock Room	840,711.60
J. Various rooms	1,220,875.65
K. Electrical Works	902,094.98
TOTAL DIRECT COST	7,806,397.53
I. Direct Cost	7,806,397.53
II. Indirect Cost	
A. Overhead Miscellaneous (7% of TDC)	546,447.83
B. Contingency (6% of TDC)	468,383.85
C. Contractor's Profit (9% of TDC)	702,575.78
Total Indirect Cost	1,717,407.46
Total Direct Cost + Total Indirect Cost	9,523,804.98
III. TAXES:	
A. E-VAT (5% of TDC+TID)	476,190.25
APPROVED PROJECT COST (APC)	9,999,995.23

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

SUMMARY OF COST ESTIMATES (WEIGHING ROOM)

DESCRIPTION	QTY		MATERIAL	COST		OR COST	TOTAL		
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL		
A. Building Structure:									
(Architectural, Sanitary &									
Mechanical Work)									
Preliminary Works				10,825.00			10,825.00		
2. Demolision Works				8,000.00		19,100.00	27,100.00		
3. Restoration Works				18,800.00		6,580.00	25,380.00		
4. Ceiling Works				22,116.00		7,740.60	29,856.60		
5. Floor Finishes				6,365.00		2,227.75	8,592.75		
6. Painting Works				17,222.00		10,333.20	27,555.20		
7. Specialty Works				110,360.00		27,590.00	137,950.00		
8. Storage Racks				12,000.00		3,000.00	15,000.00		
9. Glass and Glazing				78,000.00		11,700.00	89,700.00		
TOTAL DIRECT COST	+			283,688.00	+	88,271.55	371,959.55		
I. Direct Cost				263,666.00		00,27 1.55	371,959.55		
A. Materia	al Cost						283,688.00		
B. Labor							88,271.55		
Total Direct Cost	CUSI						371,959.55		
II. Indirect Cost							37 1,959.55		
	ead Miscella	neous (7% of TDC)				26,037.17		
	gency (6% o		(7,001 100)				22,317.57		
	ctor's Profit		TDC)				33,476.36		
Total Indirect Cost									
Total Direct Cost +	Total Indire	ct Cost	t				81,831.10 453,790.65		
III. TAXES:							·		
A. E-VAT	(5% of TDC	+TID)					22,689.53		
	APPROVED PROJECT COST (APC)								

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

DETAILED COST ESTIMATE - WEIGHING ROOM

	1	LEDC		WEIGHING RO			
DESCRIPTION	QTY		MATERIAL	COST		R COST	TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
I. Preliminary Works	43.05						
Survey layout & Chalk line		sq.m.	100.00	2,725.00			2,725.0
Personal Protective equipment (PPE's			1,350.00	8,100.00			8,100.0
Total Cost of Preli	minary Wo	rks		10,825.00			10,825.0
II. Demolition Works							
Eradication of all existing utilities	 	cu.m.			300.00	1,800.00	1,800.0
Removal of existing ceiling boards		sq.m.			200.00	5,800.00	5,800.0
Chipping works for existing tiles		sq.m.			300.00	8,700.00	8,700.0
Hauling and disposal of debris	1.00		8,000.00	8,000.00	2,800.00	2,800.00	10,800.0
Total Cost of Dem	olition Wo	rks	•	8,000.00		19,100.00	27,100.0
III. Restoration Works							
Cement	6.00	bags	260.00	1,560.00			
Sand	0.40		1,600.00	640.00			
Casting Plaster Compound (2kgs)	4.00	_	360.00	1,440.00			
Plasolux Glazing Putty	2.00	<u> </u>	1,100.00	2,200.00			
Pallette	3.00	pair	65.00	195.00			
Flat Latex (Primer)	5.00	gal	920.00	4,600.00			
Semigloss Latex (Top Coat)	6.00	gal	995.00	5,970.00			
Tinting Color	2.00	can	75.00	150.00			
Patching Compound	6.00	kgs	50.00	300.00			
Sand Paper	10.00	pcs	25.00	250.00			
Paint Brush	5.00	pcs	85.00	425.00			
Paint Roller	5.00		135.00	675.00			
Roller Pan	3.00	pcs	85.00	255.00			
Waste Cloth	2.00	kgs	70.00	140.00			
Total Cost of Rest	oration Wo	rks		18,800.00		6,580.00	25,380.0
IV. Ceiling Works							
A. Gypsum Ceiling		sq.m.					
Carrying Channel 12mmx38x1.0x5M	8.00	рс	390.00	3,120.00			
Furring Channel (hat type) 19mm x							
50mm x 0.60 x 5M	15.00	рс	280.00	4,200.00			
Wall Angle 3M.	9.00	рс	126.00	1,134.00			
Steel angle	3.00	рс	284.00	852.00			
W Clip (G.I.)	16.00	рс	40.00	640.00			
Rod Joiner	8.00	рс	125.00	1,000.00			
Hanger Rod #8	2.00		90.00	180.00			
Blind Rivets 1/8x3/8	5.00	box	160.00	800.00			
Gypsum board moisture res. 12mm	13.00		550.00	7,150.00			
Mesh Tape 2" x 230"	2.00		80.00				
Joint Compound - 28kg/pail	2.00		120.00	240.00			
Gypsum screw #6	3.00		565.00	1,695.00			
Scouring Knife	3.00		95.00	285.00			
Drill bit 1/8"	3.00	<u> </u>	110.00	330.00			
Screw bit #2	3.00		110.00	330.00			
Total Cost of Gypsui	m Ceiling \	Vorks	.	22,116.00		7,740.60	29,856.6

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - WEIGHING ROOM

	DETAI	LED C	OST ESTIMATE	- WEIGHING RO	ООМ		
DESCRIPTION	QTY MATERIAL			COST LABOR COST			TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
V Floor Finishes	27.25						
Chemical Resistant Seamless Floor	3.00	gals	1,250.00	3,750.00			
Finish - epoxy base.							
Epoxy Primer	2.00	gals	950.00	1,900.00			
Mixing Blade	2.00	pcs	100.00	200.00			
Drop Cloth	3.00	pcs	50.00	150.00			
Brush	2.00	pcs	85.00	170.00			
Squigee	3.00	pcs	65.00	195.00			
Total Cost of F	loor Works			6,365.00		2,227.75	8,592.75
VI Wall Finishes/Painting App							
A. Wall - Interior masonry							
flat latex (primer)	3.00	gal	820.00	2,460.00			
Resin wall coating	4.00	gal	1,056.00	4,224.00			
tinting color	2.00	can	75.00	150.00			
patching compound	2.00	kgs	50.00	100.00			
sand paper	3.00	pcs	25.00	75.00			
paint brush	2.00	pcs	85.00	170.00			
Paint Roller	2.00	pcs	135.00	270.00			
Roller Pan	2.00	pcs	85.00	170.00			
Putty Knives	3.00	pcs	65.00	195.00			
Wire Brush	2.00	pcs	90.00	180.00			
Reusable paint bucket	3.00	pcs	320.00	960.00			
Painting pads	2.00	pcs	120.00	240.00			
Masking tape	3.00	rolls	50.00	150.00			
Waste Cloth	2.00	kgs	70.00	140.00			
Total Cost of Wall I	Painting Wo	orks		9,484.00		5,690.40	15,174.40
B. Ceiling - Gypsum Board	27.25					·	•
flat latex (primer)	2.00	gal	820.00	1,640.00			
semigloss latex (top coat)	3.00	gal	1,056.00	3,168.00			
tinting color	2.00	can	75.00	150.00			
patching compound	2.00	kgs	50.00	100.00			
Boral Powder putty	2.00	gals.	735.00	1,470.00			
sand paper	6.00	pcs	25.00	150.00			
paint brush	3.00	pcs	85.00	255.00			
Paint Roller	2.00	pcs	135.00	270.00			
Roller Pan	2.00	pcs	85.00	170.00			
Putty Knives	3.00	pcs	65.00	195.00			
Masking tape	2.00	rolls	50.00	100.00			
Waste Cloth	1.00	kgs	70.00	70.00			
Total Cost of Ceiling	Painting V	Vorks		7,738.00		4,642.80	12,380.80
Total Cost of Pai				17,222.00		10,333.20	27,555.20

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - WEIGHING ROOM

	DETAI	LED C	OST ESTIMATE	- WEIGHING RO	ОМ		
DESCRIPTION	QTY		MATERIAL	COST	LAB	TOTAL	
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
VII. Specialty Works							
Casework counters to include	1.00	set	101,760.00	101,760.00			
accessories (8.48x0.65)							
Phenolic Resin Shelves to include	2.00	set	1,800.00	3,600.00		720.00	4,320.00
accessories. (L=3.21mts)							
Phenolic Resin Shelves to include	2.00	set	2,500.00	5,000.00		1,000.00	6,000.00
accessories. (L=2.39mts)			·			·	·
Total Cost of Spe	cialty Wor	ks		110,360.00		27,590.00	137,950.00
VIII Storage Racks							
Glavanize Steel rack (1.90 l.m.)	1.00	assy	12,000.00	12,000.00			
T 110 1 22				40.000.00		0.000.00	4= 000 00
Total Cost of Sto	rage Rack	s		12,000.00		3,000.00	15,000.00
IX. Glass and Glazing 12mm thk. Tempered Laminated	Ω 75	sq.m.	8,000.00	78,000.00		11,700.00	
Glass Partition, glass sliding	9.13	34.III.	5,000.00	70,000.00		11,700.00	
inc accessories							
Total Cost of Glass	s and Glaz	ina		78,000.00		11,700.00	89,700.00
						·	•

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

SUMMARY OF COST ESTIMATES - SOIL & WATER QUALITY IMPROVEMENT LABORATORY

DESCRIPTION	QTY		MATERIAL	COST	LA	BOR COST	TOTAL	
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	IUIAL	
A. Building Structure:			<u>-</u>		-			
(Architectural, Sanitary &								
Mechanical Work)								
1. Preliminary Works				28,254.00			28,254.00	
2. Demolision Works				18,000.00		58,775.00	76,775.00	
3. Restoration Works				59,535.00		20,837.25	80,372.25	
4. Ceiling Works				69,001.00		24,150.35	93,151.35	
5. Floor Finishes				18,725.00		6,553.75	25,278.75	
6. Painting Works				44,549.00		26,729.40	71,278.40	
7. Specialty Works				481,620.00		120,405.00	602,025.00	
8. Doors and Accessories				68,426.00		17,106.50	85,532.50	
9. Sanitary and Plumbing				52,714.00		18,449.90	71,163.90	
TOTAL DIRECT COST				840,824.00		293,007.15	1,133,831.15	
I. Direct Cost								
A. Materia	l Cost						840,824.00	
B. Labor (Cost						293,007.15	
Total Direct Cost							1,133,831.15	
II. Indirect Cost								
			7% of TDC)				79,368.18	
	gency (6% c						68,029.87 102,044.80	
	C. Contractor's Profit (9% of TDC)							
Total Indirect Cost								
Total Direct Cost + Total Indirect Cost								
III. TAXES:								
A. E-VAT	(5% of TDC						69,163.70	
	APPROVE	D PRO	JECT COST (APC)			P1,452,437.70	

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management DATE: August 12, 2023

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DETAILED COST ESTIMATE - SOIL & WATER QUALITY IMPROVEMENT LABORATORY

DESCRIPTION	QTY		MATERIAL	COST	LABO	R COST	TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
I. Preliminary Works							
Survey layout & Chalk line		sq.m.	100.00	8,004.00			8,004.00
Personal Protective equipment (PPE's		sets	1,350.00	20,250.00			20,250.00
Total Cost of Preli	minary Wo	rks		28,254.00			28,254.00
II. Demolition Works							
Removal of unwantes equipments	135.00				25.00	3,375.00	3,375.00
Eradication of all existing utilities		cu.m.			300.00	5,400.00	5,400.00
Removal of existing ceiling boards		sq.m.			200.00	16,800.00	16,800.00
Chipping works for existing tiles		sq.m.			300.00	25,200.00	25,200.00
Hauling and disposal of debris	1.00	lot	18,000.00	18,000.00	8,000.00	8,000.00	26,000.00
Total Cost of Dem	rks		18,000.00		58,775.00	76,775.00	
III. Restoration Works							
Cement	19.00		260.00	4,940.00			
Sand	2.00	m³	1,600.00	3,200.00			
Casting Plaster Compound (2kgs)	10.00	bags	360.00	3,600.00			
Plasolux Glazing Putty	6.00	gal	1,100.00	6,600.00			
Pallette	6.00	pair	65.00	390.00			
Flat Latex (Primer)	16.00	gal	920.00	14,720.00			
Semigloss Latex (Top Coat)	21.00	gal	995.00	20,895.00			
Tinting Color	6.00	can	75.00	450.00			
Patching Compound	16.00	kgs	50.00	800.00			
Sand Paper	32.00	pcs	25.00	800.00			
Paint Brush	11.00	pcs	85.00	935.00			
Paint Roller	11.00	pcs	135.00	1,485.00			
Roller Pan	6.00	pcs	85.00	510.00			
Waste Cloth	3.00	kgs	70.00	210.00			
Total Cost of Rest	oration Wo	rks		59,535.00		20,837.25	80,372.25
IV. Ceiling Works							
A. Gypsum Ceiling		sq.m.					
Carrying Channel 12mmx38x1.0x5M	24.00	рс	390.00	9,360.00			
Furring Channel (hat type) 19mm x							
50mm x 0.60 x 5M	48.00	рс	280.00	13,440.00			
Wall Angle 3M.	27.00	рс	126.00	3,402.00			
Steel angle	6.00	рс	284.00	1,704.00			
W Clip (G.I.)	21.00	рс	40.00	840.00			
Rod Joiner	21.00	pc	125.00	2,625.00			
Hanger Rod #8	6.00	kg	90.00	540.00			
Blind Rivets 1/8x3/8	16.00	box	160.00	2,560.00			
Gypsum board moisture res. 12mm	43.00	pcs	550.00	23,650.00			
Mesh Tape 2" x 230"	6.00		80.00				
Joint Compound - 28kg/pail	6.00	<u> </u>	120.00	720.00			
Gypsum screw #6	11.00		565.00	6,215.00			
Scouring Knife	11.00	-	95.00	1,045.00			
Drill bit 1/8"	11.00		110.00	1,210.00			
Screw bit #2	11.00		110.00	1,210.00		04.475.57	
Total Cost of Gypsui	n Ceiling \	vorks		69,001.00		24,150.35	93,151.35
		l					

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL & WATER QUALITY IMPROVEMENT LABORATORY

	QTY MATERIAL COST LABOR COST						DETAILED COS
TOTAL							DESCRIPTION
	Total	P/Unit	Total	P/Unit	UM	# Units	L
			11.050.00	4.050.00		11.00	V Floor Finishes
			14,850.00	1,350.00	gals	11.00	Chemical Resistant Seamless Floor
							Finish - epoxy base.
			1,900.00	950.00	gals	2.00	Epoxy Primer
			200.00	100.00	pcs	2.00	Mixing Blade
			550.00	50.00	pcs	11.00	Drop Cloth
			510.00	85.00	pcs	6.00	Brush
			715.00	65.00	pcs	11.00	Squigee
25,278.75	6,553.75		18,725.00			oor Works	Total Cost of FI
							VI Wall Finishes/Painting App
							A. Wall - Interior masonry
			4,920.00	820.00	gal	6.00	flat latex (primer)
			10,560.00	1,056.00	gal	10.00	Resin wall coating
			450.00	75.00	can	6.00	tinting color
			300.00	50.00	kgs	6.00	patching compound
			200.00	25.00	pcs	8.00	sand paper
			340.00	85.00	pcs	4.00	paint brush
			540.00	135.00	pcs	4.00	Paint Roller
			340.00	85.00	pcs	4.00	Roller Pan
			390.00	65.00	pcs	6.00	Putty Knives
			360.00	90.00	pcs	4.00	Wire Brush
			1,920.00	320.00	pcs	6.00	Reusable paint bucket
			480.00	120.00	pcs	4.00	Painting pads
			300.00	50.00	rolls	6.00	Masking tape
			280.00	70.00	kgs	4.00	Waste Cloth
34,208.00	12,828.00		21,380.00				Total Cost of Wall F
0-1,200.00	12,020.00		21,500.00			94.88	B. Ceiling - Gypsum Board
			5,740.00	820.00	gal	7.00	flat latex (primer)
			9,504.00	1,056.00	gal	9.00	semigloss latex (top coat)
			450.00	75.00	can	6.00	tinting color
			350.00	50.00	kgs	7.00	patching compound
			4,410.00	735.00	gals.	6.00	Boral Powder putty
			275.00	25.00	pcs	11.00	sand paper
			595.00	85.00	pcs	7.00	paint brush
			675.00	135.00	pcs	5.00	Paint Roller
			425.00	85.00	pcs	5.00	Roller Pan
		-	455.00	65.00		7.00	
					pcs		Putty Knives
			150.00	50.00	rolls	3.00	Masking tape
			140.00	70.00	kgs	2.00	Waste Cloth
37,070.40	13,901.40		23,169.00				Total Cost of Ceiling
71,278.40	26,729.40		44,549.00		S	nting Work	Total Cost of Pai
							-

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL & WATER QUALITY IMPROVEMENT LABORATORY

DETAILED CO.	_	IL - 30		QUALITY IMPRO			
DESCRIPTION	QTY		MATERIAL			OR COST	TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
VII. Specialty Works							
Casework counters to include	1.00	set	132,480.00	132,480.00			
accessories (11.04x0.65)							
Casework counters to include	1.00	set	51,360.00	51,360.00			
accessories (4.28x0.65)							
Casework counters to include	1.00	set	58,200.00	58,200.00			
accessories (4.00x0.65)				55,255.55			
Casework counters to include	2.00	set	16,800.00	33,600.00			
	2.00	SEL	10,800.00	33,600.00			
accessories (1.40x0.65)	 						
Casework island counters to include	3.00	set	63,840.00	191,520.00			
accessories (2.66x1.20)							
Phenolic Resin Shelves to include	4.00	set	3,615.00	14,460.00		2,892.00	17,352.00
accessories. (L=4.82mts)							
Total Cost of Spe	cialty Worl	ks		481,620.00		120,405.00	602,025.00
VIII Doors and Accessories							
D-1 HDF Solid door panel w/ Jamb	2.00	set	24,758.00	49,516.00			
Double Leaf w/ viewing panel							
(2.10x1.30m)							
D-2 HDF Solid door panel w/ Jamb	1.00	set	18,910.00	18,910.00			
(2.10x0.90m)							
Total Cost of Doors	and Access	ories		68,426.00		17,106.50	85,532.50
X Sanitary & Plumbing							
A. Plumbing Roughing-ins							
1/2"ø pipe PPR PN10	20.00	lm	240.00	4,800.00			
1/2"ø elbow PPR PN10	35.00	pcs	42.00	1,470.00			
1/2"ø tee PPR PN10	22.00	pcs	42.00	924.00			
B. Plumbing Fixtures							
Grail Single Lever Lavatory Faucet	4.00	pcs	3,900.00	15,600.00			
w/ Pop-Up(pillar) Loop Handle							
Angle Valve - Universal	4.00	pcs	260.00	1,040.00			
Flexible Hose	4.00	pcs	220.00	880.00			
C. Sanitary Roughing-ins							
2"ø PVC P-Trap	4.00	pcs	65.00	260.00			
2"ø PVC Pipe	12.00	pcs	360.00	4,320.00			
2"ø PVC Elbow	16.00	pcs	50.00	800.00			
PVC Solvent	4.00	can	280.00	1,120.00			
D. Sanitary Fixture			. === :	,			
S.S. Lavatory 500x450	1.00	pcs	4,500.00	4,500.00			
S.S. Lavatory 500x920		pcs	8,500.00	17,000.00		40	= ,
Total Cost of Plumbi	ng and Sai	nitary		52,714.00		18,449.90	71,163.90
 	 						
<u> </u>	 						
	 						
	 						
	 						

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

SUMMARY OF COST ESTIMATES - INSTRUMENT ROOM

		<u> </u>		23 - INSTRUMEN				
DESCRIPTION	QTY	L .	MATERIAL		LABOR COST		TOTAL	
BESCHII TION	# Units	UM	P/Unit	Total	P/Unit	Total		
A. Building Structure:								
(Architectural, Sanitary &								
Mechanical Work)								
1. Preliminary Works				16,425.00			16,425.00	
2. Demolision Works				18,000.00		32,775.00	50,775.00	
3. Restoration Works				26,180.00		9,163.00	35,343.00	
4. Ceiling Works				32,864.00		11,502.40	44,366.40	
5. Floor Finishes				10,680.00		3,738.00	14,418.00	
6. Painting Works				32,496.00		19,497.60	51,993.60	
7. Glass and Glazing Works				165,540.00		24,831.00	190,371.00	
8. Specialty Works				149,760.00		37,440.00	187,200.00	
9. Doors and Accessories				43,668.00		10,917.00	54,585.00	
10. Sanitary & Plumbing				25,110.00		8,788.50	33,898.50	
TOTAL DIRECT COST				520,723.00		158,652.50	679,375.50	
I. Direct Cost	•				•			
A. Materia	l Cost						520,723.00	
B. Labor (Cost						158,652.50	
Total Direct Cost							679,375.50	
II. Indirect Cost								
			7% of TDC)				47,556.29	
B. Contingency (6% of TDC)								
C. Contractor's Profit (9% of TDC)								
Total Indirect Cost								
Total Direct Cost + Total Indirect Cost								
III. TAXES:								
A. E-VAT	(5% of TDC						41,441.91	
	APPROVE	D PRO	JECT COST (A	APC)			P870,280.02	

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management DATE: August 12, 2023

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DETAILED COST ESTIMATE - INSTRUMENT ROOM

	DETAIL	ED CO	ST ESTIMATE	- INSTRUMENT F	ROOM		
DESCRIPTION	QTY MATERIAL (COST	LABO	R COST	TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
I. Preliminary Works							
Survey layout & Chalk line	42.75		100.00	4,275.00			4,275.00
Personal Protective equipment (PPE's		sets	1,350.00	12,150.00			12,150.00
Total Cost of Preli	minary Wo	rks		16,425.00			16,425.00
II. Demolition Works							
Removal of unwantes equipments	71.00	J			25.00	1,775.00	1,775.00
Eradication of all existing utilities		cu.m.			300.00	2,700.00	2,700.00
Removal of existing ceiling boards	44.00				200.00	8,800.00	8,800.00
Chipping works for existing tiles		sq.m.			300.00	13,200.00	13,200.00
Hauling and disposal of debris	1.00	lot	18,000.00	18,000.00	6,300.00	6,300.00	24,300.00
Total Cost of Dem	rks		18,000.00		32,775.00	50,775.00	
III. Restoration Works							
Cement	9.00	bags	260.00	2,340.00			
Sand	0.50	m³	1,600.00	800.00			
Casting Plaster Compound (2kgs)	5.00	bags	360.00	1,800.00			
Plasolux Glazing Putty	3.00	gal	1,100.00	3,300.00			
Pallette	3.00	pair	65.00	195.00			
Flat Latex (Primer)	7.00	gal	920.00	6,440.00			
Semigloss Latex (Top Coat)	9.00	gal	995.00	8,955.00			
Tinting Color	3.00	can	75.00	225.00			
Patching Compound	7.00	kgs	50.00	350.00			
Sand Paper	14.00	pcs	25.00	350.00			
Paint Brush	5.00	pcs	85.00	425.00			
Paint Roller	5.00	pcs	135.00	675.00			
Roller Pan	3.00	pcs	85.00	255.00			
Waste Cloth	1.00	kgs	70.00	70.00			
Total Cost of Rest	oration Wo	rks		26,180.00		9,163.00	35,343.00
IV. Ceiling Works							
A. Gypsum Ceiling	41.85	sq.m.					
Carrying Channel 12mmx38x1.0x5M	12.00	рс	390.00	4,680.00			
Furring Channel (hat type) 19mm x							
50mm x 0.60 x 5M	25.00	рс	280.00	7,000.00			
Wall Angle 3M.	12.00	рс	126.00	1,512.00			
Steel angle	3.00	рс	284.00	852.00			
W Clip (G.I.)	12.00	рс	40.00	480.00			
Rod Joiner	12.00	рс	125.00	1,500.00			
Hanger Rod #8	3.00	kg	90.00	270.00			
Blind Rivets 1/8x3/8	7.00	box	160.00	1,120.00			
Gypsum board moisture res. 12mm	19.00	pcs	550.00	10,450.00			
Mesh Tape 2" x 230"	3.00		80.00	240.00			
Joint Compound - 28kg/pail	3.00		120.00	360.00			
Gypsum screw #6	5.00		565.00	2,825.00			
Scouring Knife	5.00	рс	95.00	475.00			
Drill bit 1/8"	5.00	рс	110.00	550.00			
Screw bit #2	5.00	рс	110.00	550.00			
Total Cost of Ce				32,864.00		11,502.40	44,366.40
				22,0000		,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - INSTRUMENT ROOM

		ED CO		- INSTRUMENT F			
DESCRIPTION	QTY		MATERIAL	COST	LAB	OR COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	101712
V Floor Finishes	41.85	sq.m.					
Chemical Resistant Seamless Floor	5.00	gals	1,350.00	6,750.00			
Finish - epoxy base.							
Epoxy Primer	3.00	gals	950.00	2,850.00			
Mixing Blade	3.00	pcs	100.00	300.00			
Drop Cloth	4.00	pcs	50.00	200.00			
Brush	3.00	pcs	85.00	255.00			
Squigee	5.00	pcs	65.00	325.00			
Total Cost of F	oor Works	 }		10,680.00		3,738.00	14,418.00
VI Wall Finishes/Painting App							
A. Wall - Interior masonry	83.35	sq.m.					
flat latex (primer)	6.00	gal	820.00	4,920.00			
Resin wall coating	12.00	gal	1,056.00	12,672.00			
tinting color	6.00	can	75.00	450.00			
patching compound	6.00	kgs	50.00	300.00			
sand paper	9.00	pcs	25.00	225.00			
paint brush	3.00	pcs	85.00	255.00			
Paint Roller	3.00	pcs	135.00	405.00			
Roller Pan	3.00	pcs	85.00	255.00			
Putty Knives	6.00	pcs	65.00	390.00			
Wire Brush	3.00	pcs	90.00	270.00			
Reusable paint bucket	6.00	pcs	320.00	1,920.00			
Painting pads	3.00	pcs	120.00	360.00			
Masking tape	6.00	rolls	50.00	300.00			
Waste Cloth	3.00	kgs	70.00	210.00			
			70.00			40.750.00	00.004.00
Total Cost of Wall F		sq.m.	<u> </u>	22,932.00		13,759.20	36,691.20
B. Ceiling - Gypsum Board	3.00		820.00	2.460.00			
flat latex (primer)		gal		2,460.00			
semigloss latex (top coat)	4.00	gal	1,056.00	4,224.00			
tinting color	2.00	can	75.00	150.00			
patching compound	3.00	kgs	50.00	150.00			
Boral Powder putty	2.00	gals.	735.00	1,470.00			
sand paper	4.00	pcs	25.00	100.00			
paint brush	3.00	pcs	85.00	255.00			
Paint Roller	2.00	pcs	135.00	270.00			
Roller Pan	2.00	pcs	85.00	170.00			
Putty Knives	3.00	pcs	65.00	195.00			
Masking tape	1.00	rolls	50.00	50.00			
Waste Cloth	1.00	kgs	70.00	70.00			
Total Cost of Ceiling	Painting V	Vorks		9,564.00		5,738.40	15,302.40
Total Cost of Pai	nting Worl	(S		32,496.00		19,497.60	51,993.60
VII Glass and Glazing							
12mm thk. Tempered Laminated	10.70	sq.m.	6,200.00	66,340.00		9,951.00	
Glass Partition inc accessories							
12mm thk. Tempered Laminated	12.40	sq.m.	8,000.00	99,200.00		14,880.00	
Glass Partition inc accessories							
with glass sliding door							
Total Cost of Glas	s and Glaz	ing		165,540.00		24,831.00	190,371.00
						·	

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - INSTRUMENT ROOM

	DETAIL	ED CO	ST ESTIMATE	- INSTRUMENT R	ROOM		
DESCRIPTION	QTY		MATERIAL	COST	LABO	OR COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
VIII. Specialty Works							
Casework counters to include	1.00	set	55,800.00	55,800.00			
accessories (4.65x0.65)							
Casework counters to include	1.00	set	40,080.00	40,080.00			
accessories (3.34x0.65)			10,000100	10,000110			
Casework counters to include	1.00	set	40,080.00	40,080.00			
	1.00	SEL	40,080.00	40,080.00			
accessories (3.34x0.65)							
Phenolic Resin Shelves to include	4.00	set	3,450.00	13,800.00			
accessories.							
Total Cost of Spe	cialty Wor	ks		149,760.00		37,440.00	187,200.00
IX Doors and Accessories							
D-1 HDF Solid door panel w/ Jamb	1.00	set	24,758.00	24,758.00			
Double Leaf w/ viewing panel							
(2.10x1.30m)							
D-2 HDF Solid door panel w/ Jamb	1.00	set	18,910.00	18,910.00			
(2.10x0.90m)							
Total Cost of Doors	and Access	ories		43,668.00		10,917.00	54,585.00
X Sanitary & Plumbing							
A. Plumbing Roughing-ins							
1/2"ø pipe PPR PN10	14.00	lm	240.00	3,360.00			
1/2"ø elbow PPR PN10	28.00	pcs	42.00	1,176.00			
1/2"ø tee PPR PN10	12.00	pcs	42.00	504.00			
B. Plumbing Fixtures							
Grail Single Lever Lavatory Faucet	2.00	pcs	3,900.00	7,800.00			
w/ Pop-Up(pillar) Loop Handle							
Angle Valve - Universal	2.00	pcs	260.00	520.00			
Flexible Hose	2.00	pcs	220.00	440.00			
C. Sanitary Roughing-ins							
2"ø PVC P-Trap	2.00	pcs	65.00	130.00			
2"ø PVC Pipe	4.00	pcs	360.00	1,440.00			
2"ø PVC Elbow	8.00	pcs	50.00	400.00			
PVC Solvent	3.00	can	280.00	840.00			
D. Sanitary Fixture							
S.S. Lavatory 500x920	1.00	pcs	8,500.00	8,500.00			
Total Cost of Plumb	ing and Sa	nitary		25,110.00		8,788.50	33,898.50
Total Goot of Flams		intal y		20,770.00		5,7 55.55	00,000.00

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

SUMMARY OF COST ESTIMATES - SOIL BIOLOGICAL RESOURCES & MANAGEMENT LABORATORY EXTENSION

DESCRIPTION	QTY		MATERIAL	COST	LAB	OR COST	TOTAL	
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	IUIAL	
A. Building Structure:								
(Architectural, Sanitary &								
Mechanical Work)								
1. Preliminary Works				16,455.00			16,455.00	
2. Demolision Works				15,000.00		29,275.00	44,275.00	
3. Restoration Works				26,180.00		9,163.00	35,343.00	
4. Ceiling Works				40,756.00		14,264.60	55,020.60	
5. Floor Finishes				10,680.00		3,738.00	14,418.00	
6. Painting Works				44,267.00		26,560.20	70,827.20	
7. Glass and Glazing Works				167,480.00		66,992.00	234,472.00	
8. Specialty Works				128,640.00		32,160.00	160,800.00	
9. Doors and Accessories				62,578.00		15,644.50	78,222.50	
10. Sanitary & Plumbing				16,610.00		5,813.50	22,423.50	
TOTAL DIRECT COST				528,646.00	+	203,610.80	732,256.80	
I. Direct Cost	'			<u> </u>				
A. Mater	rial Cost						528,646.00	
B. Labor	Cost						203,610.80	
Total Direct Cost							732,256.80	
II. Indirect Cost								
A. Overh	nead Miscella	neous (7% of TDC)				51,257.98	
B. Contingency (6% of TDC)								
C. Contractor's Profit (9% of TDC)								
Total Indirect Cost							161,096.50	
Total Direct Cost	F Total Indire	ct Cost	t				893,353.30	
III. TAXES:								
A. E-VA	T (5% of TDC						44,667.66 P938,020.96	
APPROVED PROJECT COST (APC)								

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL BIOLOGICAL RESOURCES & MANAGEMENT LABORATORY EXTENSION

DESCRIPTION	QTY		MATERIAL	COST	LABO	R COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
I. Preliminary Works							
Survey layout & Chalk line	43.05	sq.m.	100.00	4,305.00			4,305.00
Personal Protective equipment (PPE's	9.00	sets	1,350.00	12,150.00			12,150.00
Total Cost of Preli	minary Wo	rks		16,455.00			16,455.00
II. Demolition Works							
Removal of unwantes equipments	65.00	kgs			25.00	1,625.00	1,625.00
Eradication of all existing utilities	8.00	cu.m.			300.00	2,400.00	2,400.00
Removal of existing ceiling boards	40.00	sq.m.			200.00	8,000.00	8,000.00
Chipping works for existing tiles	40.00	sq.m.			300.00	12,000.00	12,000.00
Hauling and disposal of debris	1.00	lot	15,000.00	15,000.00	5,250.00	5,250.00	20,250.00
Total Cost of Dem	olition Wo	rks		15,000.00		29,275.00	44,275.00
III. Restoration Works							
Cement	9.00	bags	260.00	2,340.00			
Sand	0.50	m³	1,600.00	800.00			
Casting Plaster Compound (2kgs)	5.00	bags	360.00	1,800.00			
Plasolux Glazing Putty	3.00	gal	1,100.00	3,300.00			
Pallette	3.00	pair	65.00	195.00			
Flat Latex (Primer)	7.00	gal	920.00	6,440.00			
Semigloss Latex (Top Coat)	9.00	gal	995.00	8,955.00			
Tinting Color	3.00	can	75.00	225.00			
Patching Compound	7.00	kgs	50.00	350.00			
Sand Paper	14.00	pcs	25.00	350.00			
Paint Brush	5.00	pcs	85.00	425.00			
Paint Roller	5.00	pcs	135.00	675.00			
Roller Pan	3.00	pcs	85.00	255.00			
Waste Cloth	1.00	kgs	70.00	70.00			
Total Cost of Rest	oration Wo	rks		26,180.00		9,163.00	35,343.00
IV. Ceiling Works							
A. Gypsum Ceiling		sq.m.					
Carrying Channel 12mmx38x1.0x5M	14.00	рс	390.00	5,460.00			
Furring Channel (hat type) 19mm x							
50mm x 0.60 x 5M	28.00	рс	280.00	7,840.00			
Wall Angle 3M.	14.00	рс	126.00	1,764.00			
Steel angle	3.00	рс	284.00	852.00			
W Clip (G.I.)	28.00	рс	40.00	1,120.00			
Rod Joiner	12.00	рс	125.00	1,500.00			
Hanger Rod #8	3.00	kg	90.00	270.00			
Blind Rivets 1/8x3/8	7.00	box	160.00	1,120.00			
Gypsum board moisture res. 12mm	21.00		750.00	15,750.00			
Mesh Tape 2" x 230"	4.00		80.00				
Joint Compound - 28kg/pail	3.00	<u> </u>	120.00	360.00			
Gypsum screw #6	5.00		565.00	2,825.00			
Scouring Knife	5.00	-	95.00	475.00			
Drill bit 1/8"	5.00		110.00	550.00			
Screw bit #2	5.00		110.00	550.00			
Total Cost of Ce	uing Work	S		40,756.00		14,264.60	55,020.60
		l					

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL BIOLOGICAL RESOURCES & MANAGEMENT LABORATORY EXTENSION

# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
		.,	Total	1701111	TOtal	
	sq.m.					
5.00	gals	1,350.00	6,750.00			
3.00	gals	950.00	2,850.00			
3.00	pcs	100.00	300.00			
4.00	pcs	50.00	200.00			
3.00	pcs	85.00				
5.00	pcs	65.00	325.00			
loor Works			10,680.00		3,738.00	14,418.00
135.90	sq.m.					
9.00	gal	820.00	7,380.00			
18.00	gal	1,056.00	19,008.00			
9.00	can	75.00	675.00			
9.00	kgs	50.00	450.00			
14.00	pcs	25.00	350.00			
5.00	pcs	85.00	425.00			
5.00	pcs	135.00	675.00			
5.00	pcs	85.00	425.00			
9.00	pcs	65.00	585.00			
5.00	pcs	90.00	450.00			
9.00	pcs	320.00	2.880.00			
			<u> </u>			
	_					
		7 0.00			20 924 90	55,524.80
			34,703.00		20,021.00	33,324.00
		820.00	2 460 00			
_						
+						
_	-					
+	_					
·		70.00			F 700 10	45.000 :-
						15,302.40
inting Work	s		44,267.00		26,560.20	70,827.20
10.60	sq.m.	6,200.00	65,720.00		9,858.00	
12.72	sq.m.	8,000.00	101,760.00		15,264.00	
s and Glaz	ing		167,480.00		66,992.00	234,472.00
	5.00 3.00 3.00 3.00 4.00 3.00 5.00 135.90 9.00 14.00 5.00 5.00 9.00 9	5.00 gals 3.00 gals 3.00 pcs 4.00 pcs 5.00 pcs 5.00 pcs 135.90 sq.m. 9.00 gal 18.00 gal 9.00 can 9.00 kgs 14.00 pcs 5.00 pcs 5.00 pcs 5.00 pcs 5.00 pcs 9.00 pcs 14.00 pcs 14.00 pcs 15.00 pcs 9.00 pcs	5.00 gals 1,350.00 3.00 gals 950.00 3.00 pcs 100.00 4.00 pcs 50.00 3.00 pcs 65.00 5.00 pcs 65.00 135.90 sq.m. 9.00 gal 820.00 18.00 gal 1,056.00 9.00 can 75.00 9.00 kgs 50.00 5.00 pcs 85.00 5.00 pcs 90.00 9.00 pcs 320.00 5.00 pcs 90.00 9.00 pcs 70.00 9.00 pcs 70.00 9.00 pcs 320.00 5.00 pcs 90.00 9.00 pcs 320.00 5.00 pcs 90.00 9.00 pcs 320.00 5.00 pcs 120.00 9.00 pcs 70.00 Painting Works 43.05 sq.m. 3.00 gal 820.00 4.00 gal 1,056.00 2.00 can 75.00 3.00 kgs 50.00 2.00 gals. 735.00 4.00 pcs 35.00 2.00 pcs 135.00 3.00 pcs 85.00 1.00 rolls 50.00 1.00 rolls 50.00 3.00 pcs 85.00 3.00 pcs 85.00 3.00 pcs 85.00 1.00 rolls 50.00 1.00 rolls 50.00 1.00 rolls 50.00 1.00 kgs 70.00 3 Painting Works inting Works inting Works inting Works	S.00 gals 1,350.00 6,750.00	S.00 gals 1,350.00 6,750.00	S.00 gals 1,350.00 6,750.00

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL BIOLOGICAL RESOURCES & MANAGEMENT LABORATORY EXTENSION

DETAILED COST ESTIMA	QTY		MATERIAL			OR COST	
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
VIII. Specialty Works			,		,		
Casework counters to include	1.00	set	57,600.00	57,600.00			
	1.00	361	37,000.00	37,000.00			
accessories (4.8x0.65)							
Casework counters to include	1.00	set	24,240.00	24,240.00			
accessories (2.02x0.65)							
Casework counters to include	1.00	set	46,800.00	46,800.00			
accessories (3.9x0.65)							
Total Cost of Spo	ecialty Wor	ks		128,640.00		32,160.00	160,800.00
IX Doors and Accessories							
D-1 HDF Solid door panel w/ Jamb	1.00	set	24,758.00	24,758.00			
Double Leaf w/ viewing panel							
(2.10x1.30m)							
D-2 HDF Solid door panel w/ Jamb	2.00	set	18,910.00	37,820.00			
(2.10x0.90m)							
Total Cost of Doors	and Access	ories		62,578.00		15,644.50	78,222.50
X Sanitary & Plumbing							
A. Plumbing Roughing-ins							
1/2"ø pipe PPR PN10	14.00	lm	240.00	3,360.00			
1/2"ø elbow PPR PN10	28.00	pcs	42.00	1,176.00			
1/2"ø tee PPR PN10	12.00	pcs	42.00	504.00			
B. Plumbing Fixtures							
Grail Single Lever Lavatory Faucet	2.00	pcs	3,900.00	7,800.00			
w/ Pop-Up(pillar) Loop Handle							
Angle Valve - Universal	2.00	pcs	260.00	520.00			
Flexible Hose	2.00	pcs	220.00	440.00			
C. Sanitary Roughing-ins							
2"ø PVC P-Trap	2.00	pcs	65.00	130.00			
2"ø PVC Pipe	4.00	pcs	360.00	1,440.00			
2"ø PVC Elbow	8.00	pcs	50.00	400.00			
PVC Solvent	3.00	can	280.00	840.00			
D. Sanitary Fixture							
S.S. Lavatory 500x920	1.00	pcs	8,500.00	8,500.00			
Tatal Oant of Bloomb	·			40.040.00		5 040 50	00 400 50
Total Cost of Plumb	ing and Sai	nitary		16,610.00		5,813.50	22,423.50
	<u> </u>						

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

SUMMARY OF COST ESTIMATES - SOIL BIOLOGICAL RESOURCES & MANAGEMENT LABORATORY

DATE: August 12, 2023

DESCRIPTION	QTY		MATERIAL	COST	LAB	OR COST	TOTAL	
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL	
A. Building Structure:								
(Architectural, Sanitary &								
Mechanical Work)								
1. Preliminary Works				22,425.00			22,425.00	
2. Demolision Works				15,000.00		44,575.00	59,575.00	
3. Restoration Works				47,950.00		16,782.50	64,732.50	
4. Ceiling Works				61,706.00		21,597.10	83,303.10	
5. Floor Finishes				15,710.00		5,498.50	21,208.50	
6. Painting Works				36,175.00		21,705.00	57,880.00	
7. Wall Partition				33,700.00		11,795.00	45,495.00	
8. Specialty Works				75,000.00		18,750.00	93,750.00	
9. Doors and Accessories				43,668.00		10,917.00	54,585.00	
10. Sanitary & Plumbing				22,450.00		7,857.50	30,307.50	
TOTAL DIRECT COST				373,784.00		159,477.60	533,261.60	
I. Direct Cost								
A. Mate	rial Cost						373,784.00	
B. Labo	r Cost						159,477.60	
Total Direct Cost							533,261.60	
II. Indirect Cost								
	nead Miscella		7% of TDC)				37,328.31 31,995.70	
B. Contingency (6% of TDC)								
C. Contractor's Profit (9% of TDC)								
Total Indirect Cos							117,317.55	
Total Direct Cost	+ Total Indire	ct Cost	t				650,579.15	
III. TAXES:								
A. E-VA	T (5% of TDC						32,528.96	
	APPROVE	D PRO	JECT COST (A	APC)			P683,108.11	

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL BIOLOGICAL RESOURCES & MANAGEMENT LABORATORY

DESCRIPTION	QTY		MATERIAL	COST	LABO	R COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
I. Preliminary Works							
Survey layout & Chalk line		sq.m.	100.00	6,225.00			6,225.00
Personal Protective equipment (PPE's		sets	1,350.00	16,200.00			16,200.00
Total Cost of Preli	minary Wo	rks		22,425.00			22,425.00
II. Demolition Works							
Removal of unwantes equipments	105.00				25.00	2,625.00	2,625.00
Eradication of all existing utilities		cu.m.			300.00	4,200.00	4,200.00
Removal of existing ceiling boards		sq.m.			200.00	13,000.00	13,000.00
Chipping works for existing tiles		sq.m.			300.00	19,500.00	19,500.00
Hauling and disposal of debris	1.00	lot	15,000.00	15,000.00	5,250.00	5,250.00	20,250.00
Total Cost of Dem	olition Wo	rks		15,000.00		44,575.00	59,575.00
III. Restoration Works							
Cement	15.00	bags	260.00	3,900.00			
Sand	2.00	m³	1,600.00	3,200.00			
Casting Plaster Compound (2kgs)	8.00	bags	360.00	2,880.00			
Plasolux Glazing Putty	5.00	gal	1,100.00	5,500.00			
Pallette	5.00	pair	65.00	325.00			
Flat Latex (Primer)	13.00	gal	920.00	11,960.00			
Semigloss Latex (Top Coat)	16.00	gal	995.00	15,920.00			
Tinting Color	5.00	can	75.00	375.00			
Patching Compound	13.00	kgs	50.00	650.00			
Sand Paper	25.00	pcs	25.00	625.00			
Paint Brush	9.00	pcs	85.00	765.00			
Paint Roller	9.00	pcs	135.00	1,215.00			
Roller Pan	5.00	pcs	85.00	425.00	+		
Waste Cloth	3.00		70.00	210.00		40 700 70	24 - 22 - 22
Total Cost of Rest	oration Wo	rks		47,950.00		16,782.50	64,732.50
IV. Ceiling Works	00.05						
A. Gypsum Ceiling		sq.m.	200.00	7 410 00	-		
Carrying Channel 12mmx38x1.0x5M	19.00	рс	390.00	7,410.00			
Furring Channel (hat type) 19mm x	20.00	20	200.00	10.640.00			
50mm x 0.60 x 5M	38.00	рс	280.00	10,640.00	-		
Wall Angle 3M.	21.00 5.00	pc	126.00 284.00	2,646.00	+		
Steel angle W Clip (G.I.)	16.00	pc	40.00	1,420.00 640.00	+		
Rod Joiner		рс	125.00	2,000.00	+		
Hanger Rod #8	16.00 5.00	pc	90.00	450.00			
Blind Rivets 1/8x3/8	13.00	kg box	160.00	2,080.00	+		
Gypsum board moisture res. 12mm	34.00		750.00	25,500.00	+		
Mesh Tape 2" x 230"	5.00		80.00		+		
Joint Compound - 28kg/pail	5.00		120.00	600.00			
Gypsum screw #6	9.00	<u> </u>	565.00	5,085.00	+		
Scouring Knife	9.00		95.00	855.00	-		
Drill bit 1/8"	9.00		110.00	990.00			
Screw bit #2	9.00		110.00	990.00			
Total Cost of Gypsui			110.00	61,706.00	+	21,597.10	83,303.10
. Star Goot or Gypsur				02,700.00	+	21,007.10	55,000.10

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL BIOLOGICAL RESOURCES & MANAGEMENT LABORATORY

DETAILED COST ES	QTY	00:22	MATERIAL			OR COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
V Floor Finishes							
Chemical Resistant Seamless Floor	9.00	gals	1,350.00	12,150.00			
Finish - epoxy base.							
Epoxy Primer	2.00	gals	950.00	1,900.00			
Mixing Blade	2.00	pcs	100.00	200.00			
Drop Cloth	9.00	pcs	50.00	450.00			
Brush	5.00	pcs	85.00	425.00			
Squigee	9.00	pcs	65.00	585.00			
Total Cost of Fi	oor Works			15,710.00		5,498.50	21,208.50
VI Wall Finishes/Painting App							
A. Wall - Interior masonry							
flat latex (primer)	5.00	gal	820.00	4,100.00			
Resin wall coating	8.00	gal	1,056.00	8,448.00			
tinting color	5.00	can	75.00	375.00			
patching compound	5.00	kgs	50.00	250.00			
sand paper	6.00	pcs	25.00	150.00			
paint brush	3.00	pcs	85.00	255.00			
Paint Roller	3.00	pcs	135.00	405.00			
Roller Pan	3.00	pcs	85.00	255.00			
Putty Knives	5.00	pcs	65.00	325.00			
Wire Brush	3.00	pcs	90.00	270.00			
Reusable paint bucket	5.00	pcs	320.00	1,600.00			
Painting pads	3.00	pcs	120.00	360.00			
Masking tape	5.00	rolls	50.00	250.00			
Waste Cloth	3.00	kgs	70.00	210.00			
Total Cost of Wall F	Painting W	orks		17,253.00		10,351.80	27,604.80
B. Ceiling - Gypsum Board	62.25					,	,
flat latex (primer)	6.00	gal	820.00	4,920.00			
semigloss latex (top coat)	7.00	gal	1,056.00	7,392.00			
tinting color	5.00	can	75.00	375.00			
patching compound	6.00	kgs	50.00	300.00			
Boral Powder putty	5.00	gals.	735.00	3,675.00			
sand paper	9.00	pcs	25.00	225.00			
paint brush	6.00	pcs	85.00	510.00			
Paint Roller	4.00	pcs	135.00	540.00			
Roller Pan	4.00	pcs	85.00	340.00			
Putty Knives	6.00	pcs	65.00	390.00			
Masking tape	3.00	rolls	50.00	150.00			
Waste Cloth	1.50	kgs	70.00	105.00			
Total Cost of Ceiling				18,922.00		11,353.20	30,275.20
Total Cost of Pai				36,175.00		21,705.00	57,880.00
Total Gost Of Fai	9 11011			30,173.00		21,700.00	57,000.00
VI Wall Partition							
Phenolic Resin partition to include	2.00	set	16,850.00	33,700.00			
accessories. (weighing bay)		-5.	12,000.00	23,733.30			
				33,700.00		11,795.00	45,495.00
						, 55115	-,
				ı		1	

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL BIOLOGICAL RESOURCES & MANAGEMENT LABORATORY

DESCRIPTION	QTY		MATERIAL	COST	LABO	OR COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
VII. Specialty Works							
Casework counters to include	1.00	set	75,000.00	75,000.00			
accessories (6.25x0.65)	1.00		70,000.00	73,000.00			
accessories (0.25x0.05)							
Total Cost of Spo	noialty War	ko		75,000.00		18,750.00	93,750.00
VIII Doors and Accessories		тэ		73,000.00		10,730.00	33,730.00
D-1 HDF Solid door panel w/ Jamb	1.00	set	24,758.00	24,758.00			
Double Leaf w/ viewing panel	1.00	SEL	24,736.00	24,736.00			
(2.10x1.30m)							
D-2 HDF Solid door panel w/ Jamb	1.00	cot	19 010 00	18 010 00			
(2.10x0.90m)	1.00	set	18,910.00	18,910.00			
Total Cost of Doors	and Access	orios		43,668.00		10,917.00	54,585.00
X Sanitary & Plumbing	Access			45,000.00		10,317.00	34,363.00
A. Plumbing Roughing-ins							
1/2"ø pipe PPR PN10	8.00	lm	240.00	1,920.00			
1/2"ø elbow PPR PN10	12.00	pcs	42.00	504.00			
1/2"ø tee PPR PN10	8.00	pcs	42.00	336.00			
B. Plumbing Fixtures	0.00	pos	42.00	000.00			
Grail Single Lever Lavatory Faucet	2.00	pcs	3,900.00	7,800.00			
w/ Pop-Up(pillar) Loop Handle	2.00	pcs	3,300.00	7,000.00			
Angle Valve - Universal	2.00	pcs	260.00	520.00			
Flexible Hose	2.00	pcs	220.00	440.00			
C. Sanitary Roughing-ins	2.00	pos	220.00	440.00			
2"ø PVC P-Trap	2.00	pcs	65.00	130.00			
2"ø PVC Pipe	4.00	pcs	360.00	1,440.00			
2"ø PVC Elbow	6.00	pcs	50.00	300.00			
PVC Solvent	2.00	can	280.00	560.00			
D. Sanitary Fixture				000100			
S.S. Lavatory 500x920	1.00	pcs	8,500.00	8,500.00			
Total Cost of Plumb	ing and Sa	nitary		22,450.00		7,857.50	30,307.50

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

SUMMARY OF COST ESTIMATES - SOIL BIOLOGY LABORATORY (SWRRD)

	OTV							
DESCRIPTION	QTY		MATERIAL	1		BOR COST	TOTAL	
	# Units	UM	P/Unit	Total	P/Unit	Total		
A. Building Structure:								
(Architectural, Sanitary &								
Mechanical Work)								
1. Preliminary Works				22,425.00			22,425.00	
2. Demolision Works				15,000.00		44,575.00	59,575.00	
3. Restoration Works				47,950.00		16,782.50	64,732.50	
4. Ceiling Works				61,706.00		21,597.10	83,303.10	
5. Floor Finishes				15,710.00		5,498.50	21,208.50	
6. Painting Works				36,175.00		21,705.00	57,880.00	
8. Specialty Works				297,496.00		74,374.00	371,870.00	
8. Doors and Accessories				43,668.00		10,917.00	54,585.00	
9. Sanitary & Plumbing				22,450.00		7,857.50	30,307.50	
TOTAL DIRECT COST				562,580.00		203,306.60	765,886.60	
I. Direct Cost				· · · · · ·			•	
A. Material	Cost						562,580.00	
B. Labor C	ost						203,306.60	
Total Direct Cost							765,886.60	
II. Indirect Cost							•	
A. Overhea	ad Miscella	neous (7% of TDC)				53,612.06	
B. Contingency (6% of TDC)								
C. Contractor's Profit (9% of TDC)								
Total Indirect Cost							168,495.05	
Total Direct Cost + T	otal Indire	ct Cost	:				934,381.65	
III. TAXES:								
A. E-VAT (5% of TDC	+TID)					46,719.08	
APPROVED PROJECT COST (APC)								

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL PHYSICS & MINEROLOGY LABORATORY

DETAILED	COST ES	IIIVIAIL	- 30IL FIII 3I	CS & MINEROLO	OI LADON	ATORT	
DESCRIPTION	QTY		MATERIAL	COST	LABC	OR COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
I. Preliminary Works							
Survey layout & Chalk line	62.25	sq.m.	100.00	6,225.00			6,225.00
Personal Protective equipment (PPE's	12.00	sets	1,350.00	16,200.00			16,200.00
Total Cost of Preli	minary Wo	rks		22,425.00			22,425.00
II. Demolition Works							
Removal of unwantes equipments	105.00	kgs			25.00	2,625.00	2,625.00
Eradication of all existing utilities	14.00	cu.m.			300.00	4,200.00	4,200.00
Removal of existing ceiling boards	65.00	sq.m.			200.00	13,000.00	13,000.00
Chipping works for existing tiles	65.00	sq.m.			300.00	19,500.00	19,500.00
Hauling and disposal of debris	1.00	lot	15,000.00	15,000.00	5,250.00	5,250.00	20,250.00
Total Cost of Dem	olition Wo	rks		15,000.00		44,575.00	59,575.00
III. Restoration Works							
Cement	15.00	bags	260.00	3,900.00			
Sand	2.00	m³	1,600.00	3,200.00			
Casting Plaster Compound (2kgs)	8.00	bags	360.00	2,880.00			
Plasolux Glazing Putty	5.00	gal	1,100.00	5,500.00			
Pallette	5.00	pair	65.00	325.00			
Flat Latex (Primer)	13.00	gal	920.00	11,960.00			
Semigloss Latex (Top Coat)	16.00	gal	995.00	15,920.00			
Tinting Color	5.00	can	75.00	375.00			
Patching Compound	13.00	kgs	50.00	650.00			
Sand Paper	25.00	pcs	25.00	625.00			
Paint Brush	9.00	pcs	85.00	765.00			
Paint Roller	9.00	pcs	135.00	1,215.00			
Roller Pan	5.00	pcs	85.00	425.00			
Waste Cloth	3.00	kgs	70.00	210.00			
Total Cost of Rest	oration Wo	rks		47,950.00		16,782.50	64,732.50
IV. Ceiling Works							
A. Gypsum Ceiling	62.25	sq.m.					
Carrying Channel 12mmx38x1.0x5M	19.00	рс	390.00	7,410.00			
Furring Channel (hat type) 19mm x							
50mm x 0.60 x 5M	38.00	рс	280.00	10,640.00			
Wall Angle 3M.	21.00	рс	126.00	2,646.00			
Steel angle	5.00	рс	284.00	1,420.00			
W Clip (G.I.)	16.00	рс	40.00	640.00			
Rod Joiner	16.00	рс	125.00	2,000.00			
Hanger Rod #8	5.00	kg	90.00	450.00			
Blind Rivets 1/8x3/8	13.00	box	160.00	2,080.00			
Gypsum board moisture res. 12mm	34.00	pcs	750.00	25,500.00			
Mesh Tape 2" x 230"	5.00	roll	80.00	400.00			
Joint Compound - 28kg/pail	5.00	pail	120.00	600.00			
Gypsum screw #6	9.00	box	565.00	5,085.00			
Scouring Knife	9.00	рс	95.00	855.00			
Drill bit 1/8"	9.00	рс	110.00	990.00			
Screw bit #2	9.00	рс	110.00	990.00			
Total Cost of Gypsui	n Ceiling V	Vorks		61,706.00		21,597.10	83,303.10
					Т		

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL BIOLOGY LABORATORY (SWRRD)

DETAIL	ED COST		ATE - SOIL BIC	LOGY LABORA	TOKT (SWI	(KD)	
DESCRIPTION	QTY		MATERIAL	COST	LAB	OR COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
V Floor Finishes							
Chemical Resistant Seamless Floor	9.00	gals	1,350.00	12,150.00			
Finish - epoxy base.							
Epoxy Primer	2.00	gals	950.00	1,900.00			
Mixing Blade	2.00	pcs	100.00	200.00			
Drop Cloth	9.00	pcs	50.00	450.00			
Brush	5.00	pcs	85.00	425.00			
Squigee	9.00	pcs	65.00	585.00			
Total Cost of F				15,710.00		5,498.50	21,208.50
VI Wall Finishes/Painting App				2, 222		.,	,
A. Wall - Interior masonry							
flat latex (primer)	5.00	gal	820.00	4,100.00			
Resin wall coating	8.00	gal	1,056.00	8,448.00			
tinting color	5.00	can	75.00	375.00			
patching compound	5.00	kgs	50.00	250.00			
sand paper	6.00	pcs	25.00	150.00			
paint brush	3.00	pcs	85.00	255.00			
Paint Roller	3.00	pcs	135.00	405.00			
	3.00		85.00	255.00			
Roller Pan		pcs					
Putty Knives	5.00	pcs	65.00	325.00			
Wire Brush	3.00	pcs	90.00	270.00			
Reusable paint bucket	5.00	pcs	320.00	1,600.00			
Painting pads	3.00	pcs	120.00	360.00			
Masking tape	5.00	rolls	50.00	250.00			
Waste Cloth	3.00	kgs	70.00	210.00			
Total Cost of Wall I				17,253.00		10,351.80	27,604.80
B. Ceiling - Gypsum Board	62.25	sq.m.					
flat latex (primer)	6.00	gal	820.00	4,920.00			
semigloss latex (top coat)	7.00	gal	1,056.00	7,392.00			
tinting color	5.00	can	75.00	375.00			
patching compound	6.00	kgs	50.00	300.00			
Boral Powder putty	5.00	gals.	735.00	3,675.00			
sand paper	9.00	pcs	25.00	225.00			
paint brush	6.00	pcs	85.00	510.00			
Paint Roller	4.00	pcs	135.00	540.00			
Roller Pan	4.00	pcs	85.00	340.00			
Putty Knives	6.00	pcs	65.00	390.00			
Masking tape	3.00	rolls	50.00	150.00			
Waste Cloth	1.50	kgs	70.00	105.00			
Total Cost of Ceiling				18,922.00		11,353.20	30,275.20
Total Cost of Pai				36,175.00		21,705.00	57,880.00
Total Gost Of Fal				30,173.00		21,700.00	07,000.00
		-					
	\vdash						
	\vdash						
	 						
	 	-					
	 						
	 						
		<u> </u>					

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SOIL BIOLOGY LABORATORY (SWRRD)

				COST LABORA			
DESCRIPTION	QTY	1184	MATERIAL P/Unit		P/Unit	OR COST	TOTAL
L	# Units	UM	P/Unit	Total	P/Unit	Total	
VII. Specialty Works							
Casework counters to include	1.00	set	106,200.00	106,200.00			
accessories (8.85x0.65)							
Casework counters to include	1.00	set	48,960.00	48,960.00			
accessories (4.08x0.65)							
Casework island counters to include	2.00	set	63,840.00	127,680.00			
accessories (2.66x1.20)			·				
Phenolic Resin Shelves to include	4.00	set	3,664.00	14,656.00			
accessories. (L=4.82mts)	7.00	301	0,004.00	14,030.00			
Total Cost of Spe	oialty Wor	ko		297,496.00		74,374.00	371,870.00
VIII Doors and Accessories	Ciarty Wor	KS		297,496.00		74,374.00	3/1,8/0.00
D-1 HDF Solid door panel w/ Jamb	1.00	set	24,758.00	24,758.00			
Double Leaf w/ viewing panel	1.00	SEL	24,736.00	24,736.00			
(2.10x1.30m)							
D-2 HDF Solid door panel w/ Jamb	1.00	set	18,910.00	18,910.00			
(2.10x0.90m)	1.00	૭ ೮૧	10,810.00	10,510.00			
(2.10x0.90ff) Total Cost of Doors	and Acces	orios	<u> </u>	43,668.00		10,917.00	54,585.00
IX Sanitary & Plumbing	The Access	ories		45,000.00		10,317.00	34,383.00
A. Plumbing Roughing-ins							
1/2"ø pipe PPR PN10	8.00	lm	240.00	1,920.00			
1/2"ø elbow PPR PN10	12.00	pcs	42.00	504.00			
1/2"ø tee PPR PN10	8.00		42.00	336.00			
B. Plumbing Fixtures	0.00	pcs	42.00	330.00			
Grail Single Lever Lavatory Faucet	2.00	200	2 000 00	7 900 00			
·	2.00	pcs	3,900.00	7,800.00			
w/ Pop-Up(pillar) Loop Handle	2.00	200	260.00	F20.00			
Angle Valve - Universal Flexible Hose	2.00	pcs	260.00	520.00			
	2.00	pcs	220.00	440.00			
C. Sanitary Roughing-ins 2"ø PVC P-Trap	2.00	noo	65.00	130.00			
2"ø PVC Pipe	2.00 4.00	pcs	65.00 360.00	1,440.00			
2"ø PVC Fibe 2"ø PVC Elbow	6.00	pcs	50.00	300.00			
PVC Solvent	2.00	pcs	280.00	560.00			
D. Sanitary Fixture	2.00	can	200.00	300.00			
S.S. Lavatory 500x920	1.00	pcs	8,500.00	8,500.00			
Total Cost of Plumb			0,300.00	22,450.00		7,857.50	30,307.50
Total Cost of Fidilib	ling and Sai	illai y		22,430.00		7,037.30	30,307.30
	 						
	 						
	 						
	-						
	 						
	I		<u> </u>				

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

SUMMARY OF COST ESTIMATES - SWRRD X-RAY ROOM

	QTY	OR COST						
DESCRIPTION	# Units	им Г	MATERIAL P/Unit	Total	P/Unit		TOTAL	
A. Building Structure:	# Units	UIVI	P/Unit	TOLAT	P/Unit	Total		
(Architectural, Sanitary &	-				+			
Mechanical Work)					+			
· · · · · · · · · · · · · · · · · · ·	_			40.455.00			40.455.00	
1. Preliminary Works				16,455.00		00.075.00	16,455.00	
2. Demolision Works				15,000.00		29,275.00	44,275.00	
3. Restoration Works				26,180.00		9,163.00	35,343.00	
4. Ceiling Works				40,756.00		14,264.60	55,020.60	
5. Floor Finishes				10,680.00		3,738.00	14,418.00	
6. Painting Works				44,267.00		26,560.20	70,827.20	
7. Drywall Works				17,102.00		6,840.80	23,942.80	
8. Specialty Works				190,112.00		47,528.00	237,640.00	
Doors and Accessories				62,578.00		15,644.50	78,222.50	
TOTAL DIRECT COST				423,130.00		153,014.10	576,144.10	
I. Direct Cost		<u> </u>		420,100.00		100,014.10	070,144.10	
	rial Cost						423,130.00	
B. Labo							153,014.10	
Total Direct Cost	COST						576,144.10	
II. Indirect Cost							576, 144. 10	
	head Miscella	20010 (70/ of TDC)				40.220.00	
			1 /0 OI IDC)				40,330.09 34,568.65	
B. Contingency (6% of TDC) C. Contractor's Profit (9% of TDC)								
Total Indirect Cost								
Total Direct Cost + Total Indirect Cost								
III. TAXES:	· iotai iiidile	0. 0031					702,895.80	
	T (5% of TDC	:+TID)					35,144.79	
A. E-VAT (5% of TDC+TID) APPROVED PROJECT COST (APC)								
	AFFROVE	ים בער	JEST 6031 (F	u 0 <i>j</i>			P738,040.59	

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

DETAILED COST ESTIMATE - SWRRD X-RAY ROOM

		D COS		SWRRD X-RAY			
DESCRIPTION	QTY		MATERIAL			R COST	TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
I. Preliminary Works							
Survey layout & Chalk line		sq.m.	100.00	4,305.00			4,305.00
Personal Protective equipment (PPE's		sets	1,350.00	12,150.00			12,150.00
Total Cost of Preli	minary Wo	rks		16,455.00			16,455.00
II. Demolition Works							
Removal of unwantes equipments	65.00				25.00	1,625.00	1,625.00
Eradication of all existing utilities		cu.m.			300.00	2,400.00	2,400.00
Removal of existing ceiling boards	40.00	sq.m.			200.00	8,000.00	8,000.00
Chipping works for existing tiles	40.00	sq.m.			300.00	12,000.00	12,000.00
Hauling and disposal of debris	1.00	lot	15,000.00	15,000.00	5,250.00	5,250.00	20,250.00
Total Cost of Dem	olition Wo	rks		15,000.00		29,275.00	44,275.00
III. Restoration Works							
Cement	9.00	bags	260.00	2,340.00			
Sand	0.50	m³	1,600.00	800.00			
Casting Plaster Compound (2kgs)	5.00	bags	360.00	1,800.00			
Plasolux Glazing Putty	3.00	gal	1,100.00	3,300.00			
Pallette	3.00	pair	65.00	195.00			
Flat Latex (Primer)	7.00	gal	920.00	6,440.00			
Semigloss Latex (Top Coat)	9.00	gal	995.00	8,955.00			
Tinting Color	3.00	can	75.00	225.00			
Patching Compound	7.00	kgs	50.00	350.00			
Sand Paper	14.00	pcs	25.00	350.00			
Paint Brush	5.00	pcs	85.00	425.00			
Paint Roller	5.00	pcs	135.00	675.00			
Roller Pan	3.00	pcs	85.00	255.00			
Waste Cloth	1.00	kgs	70.00	70.00			
Total Cost of Rest	oration Wo	rks		26,180.00		9,163.00	35,343.00
IV. Ceiling Works							
A. Gypsum Ceiling	43.05	sq.m.					
Carrying Channel 12mmx38x1.0x5M	14.00	рс	390.00	5,460.00			
Furring Channel (hat type) 19mm x							
50mm x 0.60 x 5M	28.00	рс	280.00	7,840.00			
Wall Angle 3M.	14.00	рс	126.00	1,764.00			
Steel angle	3.00	рс	284.00	852.00			
W Clip (G.I.)	28.00	рс	40.00	1,120.00			
Rod Joiner	12.00	рс	125.00	1,500.00			
Hanger Rod #8	3.00	kg	90.00	270.00			
Blind Rivets 1/8x3/8	7.00	box	160.00	1,120.00			
Gypsum board moisture res. 12mm	21.00	pcs	750.00	15,750.00			
Mesh Tape 2" x 230"	4.00	roll	80.00	320.00			
Joint Compound - 28kg/pail	3.00		120.00	360.00			
Gypsum screw #6	5.00	box	565.00	2,825.00			
Scouring Knife	5.00	рс	95.00	475.00			
Drill bit 1/8"	5.00	рс	110.00	550.00			
Screw bit #2	5.00	рс	110.00	550.00			
Total Cost of Ce	iling Work	s		40,756.00		14,264.60	55,020.60
		_					

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SWRRD X-RAY ROOM

	DETAILE	ט כטנ	SI ESTIMATE -	SWRRD X-RAY	ROOM		
DESCRIPTION	QTY		MATERIAL	COST	LAB	OR COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
V Floor Finishes	43.05	sq.m.					
Chemical Resistant Seamless Floor	5.00	gals	1,350.00	6,750.00			
Finish - epoxy base.							
Epoxy Primer	3.00	gals	950.00	2,850.00			
Mixing Blade	3.00	pcs	100.00	300.00			
Drop Cloth	4.00	pcs	50.00	200.00			
Brush	3.00	pcs	85.00	255.00			
Squigee	5.00	pcs	65.00	325.00			
Total Cost of F	loor Works			10,680.00		3,738.00	14,418.00
VI Wall Finishes/Painting App						,	· · · · · · · · · · · · · · · · · · ·
A. Wall - Interior masonry	135.90	sq.m.					
flat latex (primer)	9.00	gal	820.00	7,380.00			
Resin wall coating	18.00	gal	1,056.00	19,008.00			
tinting color	9.00	can	75.00	675.00			
patching compound	9.00	kgs	50.00	450.00			
sand paper	14.00	pcs	25.00	350.00			
paint brush	5.00		85.00	425.00			
Paint Brush Paint Roller	5.00	pcs	135.00	425.00 675.00			
	 	pcs					
Roller Pan	5.00	pcs	85.00	425.00			
Putty Knives	9.00	pcs	65.00	585.00			
Wire Brush	5.00	pcs	90.00	450.00			
Reusable paint bucket	9.00	pcs	320.00	2,880.00			
Painting pads	5.00	pcs	120.00	600.00			
Masking tape	9.00	rolls	50.00	450.00			
Waste Cloth	5.00	kgs	70.00	350.00			
Total Cost of Wall I				34,703.00		20,821.80	55,524.80
B. Ceiling - Gypsum Board	43.05	sq.m.					
flat latex (primer)	3.00	gal	820.00	2,460.00			
semigloss latex (top coat)	4.00	gal	1,056.00	4,224.00			
tinting color	2.00	can	75.00	150.00			
patching compound	3.00	kgs	50.00	150.00			
Boral Powder putty	2.00	gals.	735.00	1,470.00			
sand paper	4.00	pcs	25.00	100.00			
paint brush	3.00	pcs	85.00	255.00			
Paint Roller	2.00	pcs	135.00	270.00			
Roller Pan	2.00	pcs	85.00	170.00			
Putty Knives	3.00	pcs	65.00	195.00			
Masking tape	1.00	rolls	50.00	50.00			
Waste Cloth	1.00	kgs	70.00	70.00			
			1			5 738 40	15,302.40
Total Cost of Ceiling				9,564.00		5,738.40	
Total Cost of Pai				44,267.00		26,560.20	70,827.20
VII Drywall Works		sq.m.	200.00	44.000.00			
Metal Studs	9.00	<u> </u>	200.00	11,000.00			
Metal Tracks	3.00	·	190.00	2,470.00			
Concrete nail	1.00		45.00	180.00			
Blind Rivets 1/8x3/8	2.00	box	76.00	532.00			
Gypsum board moisture res. 12mm	4.00	pcs	420.00	1,680.00			
Mesh Tape 2" x 230"	2.00	roll	51.00	102.00			
Joint Compound - 28kg/pail	1.00	pail	280.00	280.00			
Gypsum screw #6	2.00	box	265.00	530.00			
	1						

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - SWRRD X-RAY ROOM

	DETAILE	D COS	ST ESTIMATE -	SWRRD X-RAY I	ROOM		
DESCRIPTION	QTY MATERIAL			COST	LAB	OR COST	TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
Scouring Knife	2.00	pcs	50.00	100.00			
Drill bit 1/8"	2.00	pcs	63.00	126.00			
Screw bit #2	2.00	pcs	51.00	102.00			
Total Cost of Dr	ywall Work	s	.	17,102.00		6,840.80	23,942.80
VIII. Specialty Works							
Casework counters to include	1.00	set	70,200.00	70,200.00			
accessories (5.85x0.65)							
Casework counters to include	1.00	set	57,000.00	57,000.00			
accessories (4.75x0.65)							
Casework counters to include	1.00	set	47,760.00	47,760.00			
accessories (3.98x0.65)							
Phenolic Resin Shelves to include	2.00	set	3,376.00	6,752.00			
accessories. (L=4.22mts)							
Phenolic Resin Shelves to include	2.00	set	4,200.00	8,400.00			
accessories. (L=5.25mts)			,	,			
Total Cost of Spe	ecialty Wor	ks		190,112.00		47,528.00	237,640.00
IX Doors and Accessories				, ,,		, , , , ,	,
D-1 HDF Solid door panel w/ Jamb	1.00	set	24,758.00	24,758.00			
Double Leaf w/ viewing panel							
(2.10x1.30m)							
D-2 HDF Solid door panel w/ Jamb	2.00	set	18,910.00	37,820.00			
(2.10x0.90m)							
Total Cost of Doors	and Access	ories		62,578.00		15,644.50	78,222.50
						+	
	1						
						 	
						<u> </u>	
						 	
						+	
						+	
						l	

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

SUMMARY OF COST ESTIMATES - CHEMICAL STOCK ROOM

DESCRIPTION	QTY		MATERIAL	. COST	LAI	BOR COST	TOTAL	
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL	
A. Building Structure:								
(Architectural, Electro Comm &								
Mechanical Work)								
1. Preliminary Works				22,425.00			22,425.00	
2. Demolision Works				15,000.00		44,575.00	59,575.00	
3. Restoration Works				47,950.00		16,782.50	64,732.50	
4. Ceiling Works				54,906.00		19,217.10	74,123.10	
5. Floor Finishes				15,710.00		5,498.50	21,208.50	
6. Painting Works				36,175.00		21,705.00	57,880.00	
7. Specialty Works				154,208.00		38,552.00	192,760.00	
8. Storage Racks				126,000.00		31,500.00	157,500.00	
9. Doors and Accessories				49,516.00		12,379.00	61,895.00	
10. Mechanical Works				102,890.00		25,722.50	128,612.50	
TOTAL DIRECT COST				624,780.00		215,931.60	840,711.60	
I. Direct Cost								
A. Materia	al Cost						624,780.00	
B. Labor (Cost						215,931.60	
Total Direct Cost							840,711.60	
II. Indirect Cost								
	ead Miscella		7% of TDC)				58,849.81 50,442.70	
B. Contingency (6% of TDC)								
C. Contractor's Profit (9% of TDC)								
Total Indirect Cost								
Total Direct Cost + Total Indirect Cost								
III. TAXES:								
A. E-VAT (5% of TDC+TID) APPROVED PROJECT COST (APC)								
	APPROVE	ש:D PRO	JECT COST (A	APC)			P1,076,951.56	

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

DATE: August 12, 2023

DETAILED COST ESTIMATE - CHEMICAL STOCK ROOM

	DETAILED	C031	ESTIMATE - C	HEMICAL STOC	K ROOM		
DESCRIPTION	QTY		MATERIAL	COST	LABO	R COST	TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
I. Preliminary Works							
Survey layout & Chalk line		sq.m.	100.00	6,225.00			6,225.00
Personal Protective equipment (PPE's		sets	1,350.00	16,200.00			16,200.00
Total Cost of Preli	minary Wo	rks		22,425.00			22,425.00
II. Demolition Works							
Removal of unwantes equipments	105.00				25.00	2,625.00	2,625.00
Eradication of all existing utilities	14.00				300.00	4,200.00	4,200.00
Removal of existing ceiling boards	65.00	-			200.00	13,000.00	13,000.00
Chipping works for existing tiles		sq.m.			300.00	19,500.00	19,500.00
Hauling and disposal of debris	1.00	lot	15,000.00	15,000.00	5,250.00	5,250.00	20,250.00
Total Cost of Dem	olition Wo	rks		15,000.00		44,575.00	59,575.00
III. Restoration Works							
Cement	15.00	bags	260.00	3,900.00			
Sand	2.00	m³	1,600.00	3,200.00			
Casting Plaster Compound (2kgs)	8.00	bags	360.00	2,880.00			
Plasolux Glazing Putty	5.00	gal	1,100.00	5,500.00			
Pallette	5.00	pair	65.00	325.00			
Flat Latex (Primer)	13.00	gal	920.00	11,960.00			
Semigloss Latex (Top Coat)	16.00	gal	995.00	15,920.00			
Tinting Color	5.00	can	75.00	375.00			
Patching Compound	13.00	kgs	50.00	650.00			
Sand Paper	25.00	pcs	25.00	625.00			
Paint Brush	9.00	pcs	85.00	765.00			
Paint Roller	9.00	pcs	135.00	1,215.00			
Roller Pan	5.00	pcs	85.00	425.00			
Waste Cloth	3.00	kgs	70.00	210.00			
Total Cost of Rest	oration Wo	rks		47,950.00		16,782.50	64,732.50
IV. Ceiling Works							
A. Gypsum Ceiling	62.25	sq.m.					
Carrying Channel 12mmx38x1.0x5M	19.00	рс	390.00	7,410.00			
Furring Channel (hat type) 19mm x							
50mm x 0.60 x 5M	38.00	рс	280.00	10,640.00			
Wall Angle 3M.	21.00	рс	126.00	2,646.00			
Steel angle	5.00	рс	284.00	1,420.00			
W Clip (G.I.)	16.00	рс	40.00	640.00			
Rod Joiner	16.00	рс	125.00	2,000.00			
Hanger Rod #8	5.00	kg	90.00	450.00			
Blind Rivets 1/8x3/8	13.00	box	160.00	2,080.00			
Gypsum board moisture res. 12mm	34.00	pcs	550.00	18,700.00			
Mesh Tape 2" x 230"	5.00	roll	80.00	400.00			
Joint Compound - 28kg/pail	5.00		120.00	600.00			
Gypsum screw #6	9.00	box	565.00	5,085.00			
Scouring Knife	9.00		95.00	855.00			
Drill bit 1/8"	9.00		110.00	990.00			
Screw bit #2	9.00		110.00	990.00			
Total Cost of Gypsu				54,906.00		19,217.10	74,123.10
, , , , , , , , , , , , , , , , , , ,				·			<u> </u>

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - CHEMICAL STOCK ROOM

	DETAILED	COST	ESTIMATE - C	HEMICAL STOC	K ROOM		
DESCRIPTION	QTY		MATERIAL	COST	LAB	OR COST	TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
V Floor Finishes	0.00		4 250 00	12.150.00			
Chemical Resistant Seamless Floor	9.00	gals	1,350.00	12,150.00			
Finish - epoxy base.		<u> </u>					
Epoxy Primer	2.00	gals	950.00	1,900.00			
Mixing Blade	2.00	pcs	100.00	200.00			
Drop Cloth	9.00	pcs	50.00	450.00			
Brush	5.00	pcs	85.00	425.00			
Squigee	9.00	pcs	65.00	585.00			
Total Cost of F	loor Works			15,710.00		5,498.50	21,208.50
VI Wall Finishes/Painting App							
A. Wall - Interior masonry							
flat latex (primer)	5.00	gal	820.00	4,100.00			
Resin wall coating	8.00	gal	1,056.00	8,448.00			
tinting color	5.00	can	75.00	375.00			
patching compound	5.00	kgs	50.00	250.00			
sand paper	6.00	pcs	25.00	150.00			
paint brush	3.00	pcs	85.00	255.00			
Paint Roller	3.00	pcs	135.00	405.00			
Roller Pan	3.00	pcs	85.00	255.00			
Putty Knives	5.00	pcs	65.00	325.00			
Wire Brush	3.00	pcs	90.00	270.00			
Reusable paint bucket	5.00	pcs	320.00	1,600.00			
Painting pads	3.00	pcs	120.00	360.00			
Masking tape	5.00	rolls	50.00	250.00			
Waste Cloth	3.00	kgs	70.00	210.00			
Total Cost of Wall I			70.00	17,253.00		10,351.80	27,604.80
B. Ceiling - Gypsum Board	62.25			17,255.00		10,351.60	27,004.80
flat latex (primer)	6.00	gal	820.00	4,920.00			
semigloss latex (top coat)	7.00	gal	1,056.00	7,392.00			
tinting color	5.00	can	75.00	375.00			
patching compound	6.00	kgs	50.00	300.00			
Boral Powder putty	5.00	gals.	735.00	3,675.00			
sand paper	9.00	pcs	25.00	225.00			
paint brush	6.00	pcs	85.00	510.00			
Paint Roller	4.00	<u> </u>	135.00	540.00			
		pcs					
Roller Pan	4.00	pcs	85.00	340.00			
Putty Knives	6.00	pcs	65.00	390.00			
Masking tape	3.00	rolls	50.00	150.00			
Waste Cloth	1.50	kgs	70.00	105.00			
Total Cost of Ceiling				18,922.00		11,353.20	30,275.20
Total Cost of Pai	nting Work	(S	r	36,175.00		21,705.00	57,880.00
	<u> </u>						
			_				_

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Proposed Upgrade and Interior Renovation of BSWM Reseach Laboratories

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - CHEMICAL STOCK ROOM

		COST		HEMICAL STOCK			
DESCRIPTION	QTY		MATERIAL			OR COST	TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
VII. Specialty Works							
Casework counters to include	2.00	set	73,440.00	146,880.00			
accessories (6.12x0.65)							
Phenolic Resin Shelves to include	2.00	set	3,664.00	7,328.00			
accessories. (L=4.82mts)			·				
Total Cost of Spe	cialty Wor	ks		154,208.00		38,552.00	192,760.00
VIII Storage Racks				,		55,55=155	
Glavanize Steel rack (1.90 4.0m.)	4.00	assy	31,500.00	126,000.00			
Total Cost of Sto			·	126,000.00		31,500.00	157,500.00
IX. Doors and Accessories	Ī					·	•
D-1 HDF Solid door panel w/ Jamb	2.00	set	24,758.00	49,516.00			
Double Leaf w/ viewing panel			•				
(2.10x1.30m)							
, , , , , , , , , , , , , , , , , , ,							
Total Cost of Doors	and Access	ories		49,516.00		12,379.00	61,895.00
X Mechanical Works (Fume Hood D	ucting)						-
Mechanical Sleeves	6.00	pcs	285.00	1,710.00			
Mechanical Sealant	6.00	tubes	255.00	1,530.00			
Steel Framing for equipment support	6.00	sets	500.00	3,000.00			
Ceiling Mounted Mechanical Fan	6.00	units	2,500.00	15,000.00			
290 cu.m./HR							
Fume Hood	2.00	set	1,600.00	3,200.00			
Air intake with louvers	2.00	set	1,200.00	2,400.00			
Ducting Works	26.00	li.mts.	1,850.00	48,100.00			
Hangers and Supports (for ducts)	26.00	li.mts.	575.00	14,950.00			
Control Wirings	2.00	set	6,500.00	13,000.00			
				102,890.00		25,722.50	128,612.50

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City

SUMMARY OF COST ESTIMATES - VARIOUS ROOMS

DATE: August 12, 2023

	QTY		MATERIAL	. COST		BOR COST		
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL	
A. Building Structure:			.,		7,01110			
(Architectural, Electro Comm &								
Mechanical Work)								
Preliminary Works				54,000.00			54,000.00	
2. Demolision Works				40,000.00		110,625.00	150,625.00	
3. Restoration Works				121,225.00		42,428.75	163,653.75	
4. Ceiling Works				140,058.00		49,020.30	189,078.30	
5. Floor Finishes				54,150.00		18,952.50	73,102.50	
6. Painting Works				107,402.00		64,441.20	171,843.20	
7. Specialty Works				66,120.00		16,530.00	82,650.00	
8. Doors and Accessories				174,672.00		43,668.00	218,340.00	
9. Glass and Glazing @ 4th Floor Sto	rage			78,000.00		11,700.00	89,700.00	
10. Sanitary & Plumbing				20,654.00		7,228.90	27,882.90	
TOTAL DIRECT COST				856,281.00		364,594.65	1,220,875.65	
I. Direct Cost								
A. Materia							856,281.00	
B. Labor (Cost						364,594.65	
Total Direct Cost							1,220,875.65	
II. Indirect Cost								
	ad Miscella		7% of TDC)				85,461.30	
	gency (6% c		TDC)				73,252.54 109,878.81	
C. Contractor's Profit (9% of TDC) Total Indirect Cost								
Total Direct Cost Total Indirect Cost								
III. TAXES:								
A. E-VAT (5% of TDC+TID)								
72 47.11	A. E-VAT (5% OF TDC+TID) APPROVED PROJECT COST (APC)							
			(/				P1,563,941.71	

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - VARIOUS ROOMS

	DETAI	LED C	JST ESTIMATE	- VARIOUS ROC	JIVIS		
DESCRIPTION	QTY		MATERIAL	COST	LABC	OR COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
I. Preliminary Works	270.00						
Survey layout & Chalk line	270.00	sq.m.	100.00	27,000.00			27,000.00
Personal Protective equipment (PPE's		sets	1,350.00	27,000.00			27,000.00
Total Cost of Preli	4	rks		54,000.00			54,000.00
II. Demolition Works				·			•
Removal of unwantes equipments	273.00	kgs			25.00	6,825.00	6,825.00
Eradication of existing utilities	36.00	,			300.00	10,800.00	10,800.00
Removal of existing ceiling boards	170.00				200.00	34,000.00	34,000.00
Chipping works for existing tiles	170.00				300.00	51,000.00	51,000.00
Hauling and disposal of debris	1.00	lot	40,000.00	40,000.00	8,000.00	8,000.00	48,000.00
Total Cost of Dem	olition Wo	rks		40,000.00	-	110,625.00	150,625.00
III. Restoration Works				,			,
Cement	39.00	bags	260.00	10,140.00			
Sand	5.00	m ³	1,600.00	8,000.00			
Casting Plaster Compound (2kgs)	20.00	bags	360.00	7,200.00			
Plasolux Glazing Putty	12.00	gal	1,100.00	13,200.00			
Pallette	12.00	pair	65.00	780.00			
Flat Latex (Primer)	32.00	gal	920.00	29,440.00			
Semigloss Latex (Top Coat)	42.00	gal	995.00	41,790.00			
Tinting Color	12.00	can	75.00	900.00			
Patching Compound	33.00	kgs	50.00	1,650.00			
Sand Paper	65.00	pcs	25.00	1,625.00			
Paint Brush	23.00	pcs	85.00	1,955.00			
Paint Roller	23.00	pcs	135.00	3,105.00			
Roller Pan	12.00	pcs	85.00	1,020.00			
Waste Cloth	6.00	kgs	70.00	420.00			
Total Cost of Rest	1			121,225.00		42,428.75	163,653.75
IV. Ceiling Works				121,2200		,	,
A. Gypsum Ceiling	270.00	sa.m.					
Carrying Channel 12mmx38x1.0x5M	48.00	рс	390.00	18,720.00			
Furring Channel (hat type) 19mm x		<u> </u>		,			
50mm x 0.60 x 5M	98.00	рс	280.00	27,440.00			
Wall Angle 3M.	55.00	рс	126.00	6,930.00			
Steel angle	12.00	рс	284.00	3,408.00			
W Clip (G.I.)	42.00	рс	40.00	1,680.00			
Rod Joiner	42.00	рс	125.00	5,250.00			
Hanger Rod #8	12.00	kg	90.00	1,080.00			
Blind Rivets 1/8x3/8	33.00	box	160.00	5,280.00			
Gypsum board moisture res. 12mm	87.00	pcs	550.00	47,850.00			
Mesh Tape 2" x 230"	12.00	roll	80.00	960.00			
Joint Compound - 28kg/pail	12.00	pail	120.00	1,440.00			
Gypsum screw #6	23.00	box	565.00	12,995.00			
Scouring Knife	23.00	рс	95.00	2,185.00			
Drill bit 1/8"	22.00	рс	110.00	2,420.00			
Screw bit #2	22.00	pc	110.00	2,420.00			
Total Cost of Gypsui			110.00	140,058.00		49,020.30	189,078.30
. э.ш. эээ. э. зурош				5,050.30		.5,525.55	

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Managemen BUDGETARY

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - VARIOUS ROOMS

	DEIA	LLDC	USI ESIIWATE	VAINIOUU NUC	71110		
DESCRIPTION	QTY		MATERIAL	COST	LABC	OR COST	TOTAL
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
V Floor Finishes							
Chemical Resistant Seamless Floor	30.00	gals	1,350.00	40,500.00			
Finish - epoxy base.							
Epoxy Primer	8.00	gals	950.00	7,600.00			
Mixing Blade	8.00	pcs	100.00	800.00			
Drop Cloth	32.00	pcs	50.00	1,600.00			
Brush	20.00	pcs	85.00	1,700.00			
Squigee	30.00	pcs	65.00	1,950.00			
Total Cost of F	oor Works		•	54,150.00		18,952.50	73,102.50
VI Wall Finishes/Painting App							
A. Wall - Interior masonry							
flat latex (primer)	20.00	gal	820.00	16,400.00			
Resin wall coating	24.00	gal	1,056.00	25,344.00			
tinting color	20.00	can	75.00	1,500.00			
patching compound	19.00	kgs	50.00	950.00			
sand paper	25.00	pcs	25.00	625.00			
paint brush	10.00	pcs	85.00	850.00			
Paint Roller	9.00	pcs	135.00	1,215.00			
Roller Pan	9.00	pcs	85.00	765.00			
Putty Knives	16.00	pcs	65.00	1,040.00			
Wire Brush	10.00	pcs	90.00	900.00			
Reusable paint bucket	14.00	pcs	320.00	4,480.00			
Painting pads	8.00	pcs	120.00	960.00			
Masking tape	20.00	rolls	50.00	1,000.00			
Waste Cloth	8.00	kgs	70.00	560.00			
Total Cost of Wall I	Painting W	orks		56,589.00		33,953.40	90,542.40
B. Ceiling - Gypsum Board	270.00					55,55515	22,012.70
flat latex (primer)	16.00	gal	820.00	13,120.00			
semigloss latex (top coat)	18.00	gal	1,056.00	19,008.00			
tinting color	12.00	can	75.00	900.00			
patching compound	14.00	kgs	50.00	700.00			
Boral Powder putty	12.00	gals.	735.00	8,820.00			
sand paper	25.00	pcs	25.00	625.00			
paint brush	14.00	pcs	85.00	1,190.00			
Paint Roller	10.00		135.00	1,350.00			
Roller Pan	10.00	_	85.00	850.00			
Putty Knives	14.00	pcs	65.00	910.00			
Masking tape	8.00	rolls	50.00	400.00			
Waste Cloth	42.00	kgs	70.00	2,940.00			
Total Cost of Ceiling			, , , , , ,	50,813.00		30,487.80	81,300.80
Total Cost of Pai	nung work	(S		107,402.00		64,441.20	171,843.20

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Managemen BUDGETARY

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - VARIOUS ROOMS

<u> </u>		LLD C		- VARIOUS ROC		OD COCT I	
DESCRIPTION	QTY MATERIAL (LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
VII. Specialty Works							
Kitchen counters to include	1.00	set	31,800.00	31,800.00			
accessories (2.65x0.65)							
Kitchen counters to include	1.00	set	34,320.00	34,320.00			
accessories (2.860x0.65)							
Total Cost of Spe	66,120.00		16,530.00	82,650.00			
VIII Doors and Accessories				·		·	•
D-1 HDF Solid door panel w/ Jamb	4.00	set	24,758.00	99,032.00			
Double Leaf w/ viewing panel							
(2.10x1.30m)							
D-2 HDF Solid door panel w/ Jamb	4.00	set	18,910.00	75,640.00			
(2.10x0.90m)							
Total Cost of Doors a	174,672.00		43,668.00	218,340.00			
IX. Glass and Glazing @ 4th Floor S	torage						
12mm thk. Tempered Laminated		sq.m.	8,000.00	78,000.00		11,700.00	
Glass Partition, glass sliding							
inc accessories							
Total Cost of Glas	Total Cost of Glass and Glazing					11,700.00	89,700.00
X Sanitary & Plumbing							
A. Plumbing Roughing-ins							
1/2"ø pipe PPR PN10	10.00	lm	240.00	2,400.00			
1/2"ø elbow PPR PN10	20.00	pcs	42.00	840.00			
1/2"ø tee PPR PN10	12.00	pcs	42.00	504.00			
B. Plumbing Fixtures							
Grail Single Lever Lavatory Faucet	2.00	pcs	2,900.00	5,800.00			
w/ Pop-Up(pillar) Loop Handle							
Angle Valve - Universal	2.00	pcs	260.00	520.00			
Flexible Hose	2.00	pcs	220.00	440.00			
C. Sanitary Roughing-ins							
2"ø PVC P-Trap	2.00	pcs	65.00	130.00			
2"ø PVC Pipe	6.00	pcs	360.00	2,160.00			
2"ø PVC Elbow	6.00	pcs	50.00	300.00			
PVC Solvent	2.00	can	280.00	560.00			
D. Sanitary Fixture							
S.S. Lavatory 500x450	2.00	pcs	3,500.00	7,000.00			
Total Cost of Plumbing and Sanitary				20,654.00		7,228.90	27,882.90

Visayas Avenue, Diliman Quezon City Quezon City

PROJECT: Upgrading of the BSWM-SWRRD Research Lab for Strengthening R4D on Soil & Water Resources Management

LOCATION: SRDC Building, Visayas Avenue, Diliman, Quezon City DATE: August 12, 2023

DETAILED COST ESTIMATE - INTERIOR RENOVATION OF BSWM RESEARCH LABORATORIES (Electrical Works)

	OTY MATERIAL C				LABOR COST		i works)
DESCRIPTION	# Units	UM	P/Unit	Total	P/Unit	Total	TOTAL
ELECTRICAL WORKS			.,		.,		
A. Lighting Fixtures							
LED troffer fixtures, 2x20W	90.00	set	900.00	81,000.00			
B. Wiring Devices & Other Fixtures							
Convenience outlet, duplex, universal	150.00	set	125.00	18,750.00			
Convenience outlet, single, universal	150.00	set	125.00	18,750.00			
Convenience outlet, weatherproof	35.00	set	200.00	7,000.00			
Convenience outlet, HD universal	8.00	set	190.00	1,520.00			
1 gang cover	15.00	set	45.00	675.00			
2 gang cover	50.00	set	52.50	2,625.00			
Switch w/ plate,1- gang, wide series	9.00	set	95.00	855.00			
Switch w/ plate,2- gang, wide series	5.00	set	145.00	725.00			
LED emergency lamp	12.00	set	1,550.00	18,600.00			
Smoke detector	9.00	set	600.00	5,400.00	-		<u> </u>
C. Wires and Cables							
Conner wire THHN 2.0 cg. mm	25.00	roll	2 F20 00	62 000 00			
Copper wire, THHN 2.0 sq. mm.	25.00	roll	2,520.00	63,000.00			
Copper wire, THHN 3.5 sq. mm. Copper wire, THHN 5.5 sq. mm.	15.00	roll	3,360.00	50,400.00			
• • • • • • • • • • • • • • • • • • • •	50.00 85.00	roll	3,885.00	194,250.00			
Copper wire, THHN 14 sq. mm.	170.00	mts mts'	62.30 147.00	5,295.50 24,990.00			
Copper wire, THHN 30 sq. mm	170.00	IIIIS	147.00	24,990.00			
D. Rough- ins							
PVC pipe, 3mx20mm dia.	1,500.00	pcs	84.00	126,000.00			
PVC elbow, 20mm dia	140.00	pcs	17.50	2,450.00			
RSC pipe 32mm dia	12.00	pcs	875.00				
RSC elbow, 32 mm	8.00	pcs	105.00				
Entrance cap, 32 mm	2.00	pcs	595.00				
Box, junction w/ cover, 4"x4"	85.00	pcs	24.50	2,082.50			
Box, utility, 2"x4"	245.00	pcs	24.50	6,002.50			
Grounding rod	1.00	sets	1,365.00				
Secondar rack 3 spool	1.00	pcs	476.00				
Mica tube	310.00	mtr	28.00	8,680.00			
GI wire #18	12.00	kgs	66.50	798.00			
Electrical tape	120.00	rolls	24.50	2,940.00			
E. Panel Board & Control Panel							
Power and Lighting Panel	1.00	set	12,230.00	12,230.00			
MCCB 100AT, 2PST, 240V, 60hz							
w/ following branches:							
1-15AT, 2P							
4- 20A, 2P							
5- 30A, 2P							
30A, CB in NEMA 3R encl	12.00	set	1,100.00	13,200.00			
Total Cost of Elec	668,218.50		233,876.48	902,094.98			
	l	<u> </u>					

PROJECT: Proposed Interior Renovation of BSWM Laboratories