



Republic of the Philippines  
Department of Agriculture  
**BUREAU OF SOILS AND WATER MANAGEMENT**  
SRDC Building Elliptical Road corner Visayas Avenue,  
Diliman, Quezon City 1101  
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## **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**

**Please see attached updated and revised Sample Cost Estimates and Bill of Quantities as Annex A.**

For guidance and information of all concerned.

**(Sgd)DENISE A. SOLANO**  
BAC Chairperson

**Annex A**

**DEPARTMENT OF AGRICULTURE  
BUREAU OF SOIL AND WATER MANAGEMENT**  
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

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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
<b>TOTAL DIRECT COST</b>	<b>7,806,397.53</b>
<b>I. Direct Cost</b>	7,806,397.53
<b>II. Indirect Cost</b>	
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
<b>Total Indirect Cost</b>	<b>1,717,407.46</b>
<b>Total Direct Cost + Total Indirect Cost</b>	<b>9,523,804.98</b>
<b>III. TAXES:</b>	
A. E-VAT (5% of TDC+TID)	476,190.25
<b>APPROVED PROJECT COST (APC)</b>	<b>9,999,995.23</b>

Quezon City

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

DATE: August 12, 2023

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**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>I. Preliminary Works</b>	43.05						
Survey layout & Chalk line	27.25	sq.m.	100.00	2,725.00			2,725.00
Personal Protective equipment (PPE's)	6.00	sets	1,350.00	8,100.00			8,100.00
<b>Total Cost of Preliminary Works</b>				<b>10,825.00</b>			<b>10,825.00</b>
<b>II. Demolition Works</b>							
Eradication of all existing utilities	6.00	cu.m.			300.00	1,800.00	1,800.00
Removal of existing ceiling boards	29.00	sq.m.			200.00	5,800.00	5,800.00
Chipping works for existing tiles	29.00	sq.m.			300.00	8,700.00	8,700.00
Hauling and disposal of debris	1.00	lot	8,000.00	8,000.00	2,800.00	2,800.00	10,800.00
<b>Total Cost of Demolition Works</b>				<b>8,000.00</b>		<b>19,100.00</b>	<b>27,100.00</b>
<b>III. Restoration Works</b>							
Cement	6.00	bags	260.00	1,560.00			
Sand	0.40	m³	1,600.00	640.00			
Casting Plaster Compound (2kgs)	4.00	bags	360.00	1,440.00			
Plasolux Glazing Putty	2.00	gal	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	pcs	135.00	675.00			
Roller Pan	3.00	pcs	85.00	255.00			
Waste Cloth	2.00	kgs	70.00	140.00			
<b>Total Cost of Restoration Works</b>				<b>18,800.00</b>		<b>6,580.00</b>	<b>25,380.00</b>
<b>IV. Ceiling Works</b>							
<b>A. Gypsum Ceiling</b>	27.25	sq.m.					
Carrying Channel 12mmx38x1.0x5M	8.00	pc	390.00	3,120.00			
Furring Channel (hat type) 19mm x 50mm x 0.60 x 5M	15.00	pc	280.00	4,200.00			
Wall Angle 3M.	9.00	pc	126.00	1,134.00			
Steel angle	3.00	pc	284.00	852.00			
W Clip (G.I.)	16.00	pc	40.00	640.00			
Rod Joiner	8.00	pc	125.00	1,000.00			
Hanger Rod #8	2.00	kg	90.00	180.00			
Blind Rivets 1/8x3/8	5.00	box	160.00	800.00			
Gypsum board moisture res. 12mm	13.00	pcs	550.00	7,150.00			
Mesh Tape 2" x 230"	2.00	roll	80.00	160.00			
Joint Compound - 28kg/pail	2.00	pail	120.00	240.00			
Gypsum screw #6	3.00	box	565.00	1,695.00			
Scouring Knife	3.00	pc	95.00	285.00			
Drill bit 1/8"	3.00	pc	110.00	330.00			
Screw bit #2	3.00	pc	110.00	330.00			
<b>Total Cost of Gypsum Ceiling Works</b>				<b>22,116.00</b>		<b>7,740.60</b>	<b>29,856.60</b>

PROJECT: Proposed Interior Renovation of BSWM Laboratories (Phase II)

BUDGETARY

Visayas Avenue, Diliman Quezon City

Quezon City

**PROJECT: Proposed Upgrade and Interior Renovation of BSWM Research Laboratories**

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

DATE: August 12, 2023

### DETAILED COST ESTIMATE - WEIGHING ROOM

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PROJECT: Proposed Interior Renovation of BSWM Laboratories (Phase II)

## BUDGETARY



**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
A. Building Structure:							
(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
<b>TOTAL DIRECT COST</b>				<b>840,824.00</b>		<b>293,007.15</b>	<b>1,133,831.15</b>
<b>I. Direct Cost</b>							
A. Material Cost							840,824.00
B. Labor Cost							293,007.15
<b>Total Direct Cost</b>							<b>1,133,831.15</b>
<b>II. Indirect Cost</b>							
A. Overhead Miscellaneous (7% of TDC)							79,368.18
B. Contingency (6% of TDC)							68,029.87
C. Contractor's Profit (9% of TDC)							102,044.80
<b>Total Indirect Cost</b>							<b>249,442.85</b>
<b>Total Direct Cost + Total Indirect Cost</b>							<b>1,383,274.00</b>
<b>III. TAXES:</b>							
A. E-VAT (5% of TDC+TID)							69,163.70
<b>APPROVED PROJECT COST (APC)</b>							<b>P1,452,437.70</b>

**DEPARTMENT OF AGRICULTURE**  
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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 & WATER QUALITY IMPROVEMENT LABORATORY**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
I. Preliminary Works							
Survey layout & Chalk line	80.04	sq.m.	100.00	8,004.00			8,004.00
Personal Protective equipment (PPE's)	15.00	sets	1,350.00	20,250.00			20,250.00
Total Cost of Preliminary Works				28,254.00			28,254.00
II. Demolition Works							
Removal of unwantes equipments	135.00	kgs			25.00	3,375.00	3,375.00
Eradication of all existing utilities	18.00	cu.m.			300.00	5,400.00	5,400.00
Removal of existing ceiling boards	84.00	sq.m.			200.00	16,800.00	16,800.00
Chipping works for existing tiles	84.00	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 Demolition Works				18,000.00		58,775.00	76,775.00
III. Restoration Works							
Cement	19.00	bags	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 Restoration Works				59,535.00		20,837.25	80,372.25
IV. Ceiling Works							
A. Gypsum Ceiling	80.04	sq.m.					
Carrying Channel 12mmx38x1.0x5M	24.00	pc	390.00	9,360.00			
Furring Channel (hat type) 19mm x 50mm x 0.60 x 5M	48.00	pc	280.00	13,440.00			
Wall Angle 3M.	27.00	pc	126.00	3,402.00			
Steel angle	6.00	pc	284.00	1,704.00			
W Clip (G.I.)	21.00	pc	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	roll	80.00	480.00			
Joint Compound - 28kg/pail	6.00	pail	120.00	720.00			
Gypsum screw #6	11.00	box	565.00	6,215.00			
Scouring Knife	11.00	pc	95.00	1,045.00			
Drill bit 1/8"	11.00	pc	110.00	1,210.00			
Screw bit #2	11.00	pc	110.00	1,210.00			
Total Cost of Gypsum Ceiling Works				69,001.00		24,150.35	93,151.35

PROJECT: Proposed Interior Renovation of BSWM Laboratories (Phase II)

BUDGETARY

DATE: August 12, 2023

## BUDGETARY

DATE: August 12, 2023

## BUDGETARY

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# 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
<b>TOTAL DIRECT COST</b>				<b>520,723.00</b>		<b>158,652.50</b>	<b>679,375.50</b>
<b>I. Direct Cost</b>							
A. Material Cost							520,723.00
B. Labor Cost							158,652.50
<b>Total Direct Cost</b>							<b>679,375.50</b>
<b>II. Indirect Cost</b>							
A. Overhead Miscellaneous (7% of TDC)							47,556.29
B. Contingency (6% of TDC)							40,762.53
C. Contractor's Profit (9% of TDC)							61,143.80
<b>Total Indirect Cost</b>							<b>149,462.61</b>
<b>Total Direct Cost + Total Indirect Cost</b>							<b>828,838.11</b>
<b>III. TAXES:</b>							
A. E-VAT (5% of TDC+TID)							41,441.91
<b>APPROVED PROJECT COST (APC)</b>							<b>P870,280.02</b>

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

DATE: August 12, 2023

**DETAILED COST ESTIMATE - INSTRUMENT ROOM**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>I. Preliminary Works</b>							
Survey layout & Chalk line	42.75	sq.m.	100.00	4,275.00			4,275.00
Personal Protective equipment (PPE's)	9.00	sets	1,350.00	12,150.00			12,150.00
<b>Total Cost of Preliminary Works</b>				<b>16,425.00</b>			<b>16,425.00</b>
<b>II. Demolition Works</b>							
Removal of unwantes equipments	71.00	kgs			25.00	1,775.00	1,775.00
Eradication of all existing utilities	9.00	cu.m.			300.00	2,700.00	2,700.00
Removal of existing ceiling boards	44.00	sq.m.			200.00	8,800.00	8,800.00
Chipping works for existing tiles	44.00	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
<b>Total Cost of Demolition Works</b>				<b>18,000.00</b>		<b>32,775.00</b>	<b>50,775.00</b>
<b>III. Restoration Works</b>							
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			
<b>Total Cost of Restoration Works</b>				<b>26,180.00</b>		<b>9,163.00</b>	<b>35,343.00</b>
<b>IV. Ceiling Works</b>							
<b>A. Gypsum Ceiling</b>	<b>41.85</b>	<b>sq.m.</b>					
Carrying Channel 12mmx38x1.0x5M	12.00	pc	390.00	4,680.00			
Furring Channel (hat type) 19mm x 50mm x 0.60 x 5M	25.00	pc	280.00	7,000.00			
Wall Angle 3M.	12.00	pc	126.00	1,512.00			
Steel angle	3.00	pc	284.00	852.00			
W Clip (G.I.)	12.00	pc	40.00	480.00			
Rod Joiner	12.00	pc	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	roll	80.00	240.00			
Joint Compound - 28kg/pail	3.00	pail	120.00	360.00			
Gypsum screw #6	5.00	box	565.00	2,825.00			
Scouring Knife	5.00	pc	95.00	475.00			
Drill bit 1/8"	5.00	pc	110.00	550.00			
Screw bit #2	5.00	pc	110.00	550.00			
<b>Total Cost of Ceiling Works</b>				<b>32,864.00</b>		<b>11,502.40</b>	<b>44,366.40</b>

PROJECT: Proposed Interior Renovation of BSWM Laboratories

BUDGETARY

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
Visayas Avenue, Diliman Quezon City  
Quezon City

**PROJECT: Proposed Upgrade and Interior Renovation of BSWM Research Laboratories**

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

DATE: August 12, 2023

**DETAILED COST ESTIMATE - INSTRUMENT ROOM**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>V Floor Finishes</b>	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			
Squeegee	5.00	pcs	65.00	325.00			
<b>Total Cost of Floor Works</b>				<b>10,680.00</b>		<b>3,738.00</b>	<b>14,418.00</b>
<b>VI Wall Finishes/Painting App</b>							
<b>A. Wall - Interior masonry</b>	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			
<b>Total Cost of Wall Painting Works</b>				<b>22,932.00</b>		<b>13,759.20</b>	<b>36,691.20</b>
<b>B. Ceiling - Gypsum Board</b>	41.85	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			
<b>Total Cost of Ceiling Painting Works</b>				<b>9,564.00</b>		<b>5,738.40</b>	<b>15,302.40</b>
<b>Total Cost of Painting Works</b>				<b>32,496.00</b>		<b>19,497.60</b>	<b>51,993.60</b>
<b>VII Glass and Glazing</b>							
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							
<b>Total Cost of Glass and Glazing</b>				<b>165,540.00</b>		<b>24,831.00</b>	<b>190,371.00</b>

PROJECT: Proposed Interior Renovation of BSWM Laboratories

BUDGETARY

DATE: August 12, 2023

## BUDGETARY

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
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
<b>TOTAL DIRECT COST</b>				<b>528,646.00</b>		<b>203,610.80</b>	<b>732,256.80</b>
<b>I. Direct Cost</b>							
A. Material Cost							528,646.00
B. Labor Cost							203,610.80
<b>Total Direct Cost</b>							<b>732,256.80</b>
<b>II. Indirect Cost</b>							
A. Overhead Miscellaneous (7% of TDC)							51,257.98
B. Contingency (6% of TDC)							43,935.41
C. Contractor's Profit (9% of TDC)							65,903.11
<b>Total Indirect Cost</b>							<b>161,096.50</b>
<b>Total Direct Cost + Total Indirect Cost</b>							<b>893,353.30</b>
<b>III. TAXES:</b>							
A. E-VAT (5% of TDC+TID)							44,667.66
<b>APPROVED PROJECT COST (APC)</b>							<b>P938,020.96</b>

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>I. Preliminary Works</b>							
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
<b>Total Cost of Preliminary Works</b>				<b>16,455.00</b>			<b>16,455.00</b>
<b>II. Demolition Works</b>							
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
<b>Total Cost of Demolition Works</b>				<b>15,000.00</b>		<b>29,275.00</b>	<b>44,275.00</b>
<b>III. Restoration Works</b>							
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			
<b>Total Cost of Restoration Works</b>				<b>26,180.00</b>		<b>9,163.00</b>	<b>35,343.00</b>
<b>IV. Ceiling Works</b>							
<b>A. Gypsum Ceiling</b>	<b>43.05</b>	<b>sq.m.</b>					
Carrying Channel 12mmx38x1.0x5M	14.00	pc	390.00	5,460.00			
Furring Channel (hat type) 19mm x 50mm x 0.60 x 5M	28.00	pc	280.00	7,840.00			
Wall Angle 3M.	14.00	pc	126.00	1,764.00			
Steel angle	3.00	pc	284.00	852.00			
W Clip (G.I.)	28.00	pc	40.00	1,120.00			
Rod Joiner	12.00	pc	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	pail	120.00	360.00			
Gypsum screw #6	5.00	box	565.00	2,825.00			
Scouring Knife	5.00	pc	95.00	475.00			
Drill bit 1/8"	5.00	pc	110.00	550.00			
Screw bit #2	5.00	pc	110.00	550.00			
<b>Total Cost of Ceiling Works</b>				<b>40,756.00</b>		<b>14,264.60</b>	<b>55,020.60</b>

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
Visayas Avenue, Diliman Quezon City  
Quezon City

**PROJECT: Proposed Upgrade and Interior Renovation of BSWM Research Laboratories**

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			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>V Floor Finishes</b>	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			
Squeegee	5.00	pcs	65.00	325.00			
<b>Total Cost of Floor Works</b>				<b>10,680.00</b>		<b>3,738.00</b>	<b>14,418.00</b>
<b>VI Wall Finishes/Painting App</b>							
<b>A. Wall - Interior masonry</b>	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	pcs	85.00	425.00			
Paint Roller	5.00	pcs	135.00	675.00			
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			
<b>Total Cost of Wall Painting Works</b>				<b>34,703.00</b>		<b>20,821.80</b>	<b>55,524.80</b>
<b>B. Ceiling - Gypsum Board</b>	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			
<b>Total Cost of Ceiling Painting Works</b>				<b>9,564.00</b>		<b>5,738.40</b>	<b>15,302.40</b>
<b>Total Cost of Painting Works</b>				<b>44,267.00</b>		<b>26,560.20</b>	<b>70,827.20</b>
<b>VII Glass and Glazing</b>							
12mm thk. Tempered Laminated	10.60	sq.m.	6,200.00	65,720.00		9,858.00	
Glass Partition inc accessories							
12mm thk. Tempered Laminated	12.72	sq.m.	8,000.00	101,760.00		15,264.00	
Glass Partition inc accessories							
with glass sliding door							
<b>Total Cost of Glass and Glazing</b>				<b>167,480.00</b>		<b>66,992.00</b>	<b>234,472.00</b>

PROJECT: Proposed Interior Renovation of BSWM Laboratories

BUDGETARY

## BUDGETARY

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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**

DESCRIPTION	QTY	MATERIAL COST			LABOR 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
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
<b>TOTAL DIRECT COST</b>				<b>373,784.00</b>		<b>159,477.60</b>	<b>533,261.60</b>
<b>I. Direct Cost</b>							
A. Material Cost							373,784.00
B. Labor Cost							159,477.60
<b>Total Direct Cost</b>							<b>533,261.60</b>
<b>II. Indirect Cost</b>							
A. Overhead Miscellaneous (7% of TDC)							37,328.31
B. Contingency (6% of TDC)							31,995.70
C. Contractor's Profit (9% of TDC)							47,993.54
<b>Total Indirect Cost</b>							<b>117,317.55</b>
<b>Total Direct Cost + Total Indirect Cost</b>							<b>650,579.15</b>
<b>III. TAXES:</b>							
A. E-VAT (5% of TDC+TID)							<b>32,528.96</b>
<b>APPROVED PROJECT COST (APC)</b>							<b>P683,108.11</b>

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	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 Preliminary Works				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 Demolition Works				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 Restoration Works				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	pc	390.00	7,410.00			
Furring Channel (hat type) 19mm x 50mm x 0.60 x 5M	38.00	pc	280.00	10,640.00			
Wall Angle 3M.	21.00	pc	126.00	2,646.00			
Steel angle	5.00	pc	284.00	1,420.00			
W Clip (G.I.)	16.00	pc	40.00	640.00			
Rod Joiner	16.00	pc	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	pc	95.00	855.00			
Drill bit 1/8"	9.00	pc	110.00	990.00			
Screw bit #2	9.00	pc	110.00	990.00			
Total Cost of Gypsum Ceiling Works				61,706.00		21,597.10	83,303.10

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
Visayas Avenue, Diliman Quezon City  
Quezon City

**PROJECT: Proposed Upgrade and Interior Renovation of BSWM Research 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			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>V Floor Finishes</b>							
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			
Squeegee	9.00	pcs	65.00	585.00			
<b>Total Cost of Floor Works</b>				<b>15,710.00</b>		<b>5,498.50</b>	<b>21,208.50</b>
<b>VI Wall Finishes/Painting App</b>							
<b>A. Wall - Interior masonry</b>							
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			
<b>Total Cost of Wall Painting Works</b>				<b>17,253.00</b>		<b>10,351.80</b>	<b>27,604.80</b>
<b>B. Ceiling - Gypsum Board</b>	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			
<b>Total Cost of Ceiling Painting Works</b>				<b>18,922.00</b>		<b>11,353.20</b>	<b>30,275.20</b>
<b>Total Cost of Painting Works</b>				<b>36,175.00</b>		<b>21,705.00</b>	<b>57,880.00</b>
<b>VI Wall Partition</b>							
Phenolic Resin partition to include	2.00	set	16,850.00	33,700.00			
accessories. (weighing bay)							
				<b>33,700.00</b>		<b>11,795.00</b>	<b>45,495.00</b>

PROJECT: Proposed Interior Renovation of BSWM Laboratories (Phase II)

BUDGETARY

Visayas Avenue, Diliman Quezon City

Quezon City

**PROJECT: Proposed Upgrade and Interior Renovation of BSWM Research Laboratories**

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

DATE: August 12, 2023

## DETAILED COST ESTIMATE - SOIL BIOLOGICAL RESOURCES & MANAGEMENT LABORATORY

[illegible]

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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)**

DESCRIPTION	QTY	MATERIAL COST			LABOR 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
<b>TOTAL DIRECT COST</b>				<b>562,580.00</b>		<b>203,306.60</b>	<b>765,886.60</b>
<b>I. Direct Cost</b>							
A. Material Cost							562,580.00
B. Labor Cost							203,306.60
<b>Total Direct Cost</b>							<b>765,886.60</b>
<b>II. Indirect Cost</b>							
A. Overhead Miscellaneous (7% of TDC)							53,612.06
B. Contingency (6% of TDC)							45,953.20
C. Contractor's Profit (9% of TDC)							68,929.79
<b>Total Indirect Cost</b>							<b>168,495.05</b>
<b>Total Direct Cost + Total Indirect Cost</b>							<b>934,381.65</b>
<b>III. TAXES:</b>							
A. E-VAT (5% of TDC+TID)							46,719.08
<b>APPROVED PROJECT COST (APC)</b>							<b>P981,100.73</b>

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>I. Preliminary Works</b>							
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
<b>Total Cost of Preliminary Works</b>				<b>22,425.00</b>			<b>22,425.00</b>
<b>II. Demolition Works</b>							
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
<b>Total Cost of Demolition Works</b>				<b>15,000.00</b>		<b>44,575.00</b>	<b>59,575.00</b>
<b>III. Restoration Works</b>							
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			
<b>Total Cost of Restoration Works</b>				<b>47,950.00</b>		<b>16,782.50</b>	<b>64,732.50</b>
<b>IV. Ceiling Works</b>							
<b>A. Gypsum Ceiling</b>	62.25	sq.m.					
Carrying Channel 12mmx38x1.0x5M	19.00	pc	390.00	7,410.00			
Furring Channel (hat type) 19mm x 50mm x 0.60 x 5M	38.00	pc	280.00	10,640.00			
Wall Angle 3M.	21.00	pc	126.00	2,646.00			
Steel angle	5.00	pc	284.00	1,420.00			
W Clip (G.I.)	16.00	pc	40.00	640.00			
Rod Joiner	16.00	pc	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	pc	95.00	855.00			
Drill bit 1/8"	9.00	pc	110.00	990.00			
Screw bit #2	9.00	pc	110.00	990.00			
<b>Total Cost of Gypsum Ceiling Works</b>				<b>61,706.00</b>		<b>21,597.10</b>	<b>83,303.10</b>

PROJECT: Proposed Interior Renovation of BSWM Laboratories (Phase II)

BUDGETARY

DATE: August 12, 2023

## BUDGETARY

DATE: August 12, 2023

## BUDGETARY

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
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. Drywall Works				17,102.00		6,840.80	23,942.80
8. Specialty Works				190,112.00		47,528.00	237,640.00
9. Doors and Accessories				62,578.00		15,644.50	78,222.50
<b>TOTAL DIRECT COST</b>				<b>423,130.00</b>		<b>153,014.10</b>	<b>576,144.10</b>
<b>I. Direct Cost</b>							
A. Material Cost							423,130.00
B. Labor Cost							153,014.10
<b>Total Direct Cost</b>							<b>576,144.10</b>
<b>II. Indirect Cost</b>							
A. Overhead Miscellaneous (7% of TDC)							40,330.09
B. Contingency (6% of TDC)							34,568.65
C. Contractor's Profit (9% of TDC)							51,852.97
<b>Total Indirect Cost</b>							<b>126,751.70</b>
<b>Total Direct Cost + Total Indirect Cost</b>							<b>702,895.80</b>
<b>III. TAXES:</b>							
A. E-VAT (5% of TDC+TID)							35,144.79
<b>APPROVED PROJECT COST (APC)</b>							<b>P738,040.59</b>

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>I. Preliminary Works</b>							
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
<b>Total Cost of Preliminary Works</b>				<b>16,455.00</b>			<b>16,455.00</b>
<b>II. Demolition Works</b>							
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
<b>Total Cost of Demolition Works</b>				<b>15,000.00</b>		<b>29,275.00</b>	<b>44,275.00</b>
<b>III. Restoration Works</b>							
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			
<b>Total Cost of Restoration Works</b>				<b>26,180.00</b>		<b>9,163.00</b>	<b>35,343.00</b>
<b>IV. Ceiling Works</b>							
<b>A. Gypsum Ceiling</b>	<b>43.05</b>	<b>sq.m.</b>					
Carrying Channel 12mmx38x1.0x5M	14.00	pc	390.00	5,460.00			
Furring Channel (hat type) 19mm x 50mm x 0.60 x 5M	28.00	pc	280.00	7,840.00			
Wall Angle 3M.	14.00	pc	126.00	1,764.00			
Steel angle	3.00	pc	284.00	852.00			
W Clip (G.I.)	28.00	pc	40.00	1,120.00			
Rod Joiner	12.00	pc	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	pail	120.00	360.00			
Gypsum screw #6	5.00	box	565.00	2,825.00			
Scouring Knife	5.00	pc	95.00	475.00			
Drill bit 1/8"	5.00	pc	110.00	550.00			
Screw bit #2	5.00	pc	110.00	550.00			
<b>Total Cost of Ceiling Works</b>				<b>40,756.00</b>		<b>14,264.60</b>	<b>55,020.60</b>

PROJECT: Proposed Interior Renovation of BSWM Laboratories

BUDGETARY

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
Visayas Avenue, Diliman Quezon City  
Quezon City

**PROJECT: Proposed Upgrade and Interior Renovation of BSWM Research Laboratories**

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

DATE: August 12, 2023

**DETAILED COST ESTIMATE - SWRRD X-RAY ROOM**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>V Floor Finishes</b>	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			
Squeegee	5.00	pcs	65.00	325.00			
<b>Total Cost of Floor Works</b>				<b>10,680.00</b>		<b>3,738.00</b>	<b>14,418.00</b>
<b>VI Wall Finishes/Painting App</b>							
<b>A. Wall - Interior masonry</b>	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	pcs	85.00	425.00			
Paint Roller	5.00	pcs	135.00	675.00			
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			
<b>Total Cost of Wall Painting Works</b>				<b>34,703.00</b>		<b>20,821.80</b>	<b>55,524.80</b>
<b>B. Ceiling - Gypsum Board</b>	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			
<b>Total Cost of Ceiling Painting Works</b>				<b>9,564.00</b>		<b>5,738.40</b>	<b>15,302.40</b>
<b>Total Cost of Painting Works</b>				<b>44,267.00</b>		<b>26,560.20</b>	<b>70,827.20</b>
<b>VII Drywall Works</b>	11.70	sq.m.					
Metal Studs	9.00	pcs	200.00	11,000.00			
Metal Tracks	3.00	pcs	190.00	2,470.00			
Concrete nail	1.00	kgs	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			

PROJECT: Proposed Interior Renovation of BSWM Laboratories

BUDGETARY

## BUDGETARY

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	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
<b>TOTAL DIRECT COST</b>				<b>624,780.00</b>		<b>215,931.60</b>	<b>840,711.60</b>
<b>I. Direct Cost</b>							
A. Material Cost							624,780.00
B. Labor Cost							215,931.60
<b>Total Direct Cost</b>							<b>840,711.60</b>
<b>II. Indirect Cost</b>							
A. Overhead Miscellaneous (7% of TDC)							58,849.81
B. Contingency (6% of TDC)							50,442.70
C. Contractor's Profit (9% of TDC)							75,664.04
<b>Total Indirect Cost</b>							<b>184,956.55</b>
<b>Total Direct Cost + Total Indirect Cost</b>							<b>1,025,668.15</b>
<b>III. TAXES:</b>							
A. E-VAT (5% of TDC+TID)							51,283.41
<b>APPROVED PROJECT COST (APC)</b>							<b>P1,076,951.56</b>

**DEPARTMENT OF AGRICULTURE**  
**BUREAU OF SOIL AND WATER MANAGEMENT**  
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**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>I. Preliminary Works</b>							
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
<b>Total Cost of Preliminary Works</b>				<b>22,425.00</b>			<b>22,425.00</b>
<b>II. Demolition Works</b>							
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
<b>Total Cost of Demolition Works</b>				<b>15,000.00</b>		<b>44,575.00</b>	<b>59,575.00</b>
<b>III. Restoration Works</b>							
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			
<b>Total Cost of Restoration Works</b>				<b>47,950.00</b>		<b>16,782.50</b>	<b>64,732.50</b>
<b>IV. Ceiling Works</b>							
<b>A. Gypsum Ceiling</b>	62.25	sq.m.					
Carrying Channel 12mmx38x1.0x5M	19.00	pc	390.00	7,410.00			
Furring Channel (hat type) 19mm x 50mm x 0.60 x 5M	38.00	pc	280.00	10,640.00			
Wall Angle 3M.	21.00	pc	126.00	2,646.00			
Steel angle	5.00	pc	284.00	1,420.00			
W Clip (G.I.)	16.00	pc	40.00	640.00			
Rod Joiner	16.00	pc	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	pail	120.00	600.00			
Gypsum screw #6	9.00	box	565.00	5,085.00			
Scouring Knife	9.00	pc	95.00	855.00			
Drill bit 1/8"	9.00	pc	110.00	990.00			
Screw bit #2	9.00	pc	110.00	990.00			
<b>Total Cost of Gypsum Ceiling Works</b>				<b>54,906.00</b>		<b>19,217.10</b>	<b>74,123.10</b>

Visayas Avenue, Diliman Quezon City

Quezon City

**PROJECT: Proposed Upgrade and Interior Renovation of BSWM Research Laboratories**

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

DATE: August 12, 2023

### DETAILED COST ESTIMATE - CHEMICAL STOCK ROOM

[illegible]

PROJECT: Proposed Interior Renovation of BSWM Laboratories (Phase II)

## BUDGETARY

Visayas Avenue, Diliman Quezon City

Quezon City

**PROJECT: Proposed Upgrade and Interior Renovation of BSWM Research Laboratories**

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

DATE: August 12, 2023

### DETAILED COST ESTIMATE - CHEMICAL STOCK ROOM

[illegible]

**PROJECT:** Proposed Interior Renovation of BSWM Laboratories (Phase II)

## BUDGETARY

**DEPARTMENT OF AGRICULTURE  
BUREAU OF SOIL AND WATER MANAGEMENT**

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 - VARIOUS ROOMS**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
A. Building Structure:							
(Architectural, Electro Comm & Mechanical Work)							
1. Preliminary Works				54,000.00			54,000.00
2. Demolition 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 Storage				78,000.00		11,700.00	89,700.00
10. Sanitary & Plumbing				20,654.00		7,228.90	27,882.90
<b>TOTAL DIRECT COST</b>				<b>856,281.00</b>		<b>364,594.65</b>	<b>1,220,875.65</b>
<b>I. Direct Cost</b>							
A. Material Cost							856,281.00
B. Labor Cost							364,594.65
<b>Total Direct Cost</b>							<b>1,220,875.65</b>
<b>II. Indirect Cost</b>							
A. Overhead Miscellaneous (7% of TDC)							85,461.30
B. Contingency (6% of TDC)							73,252.54
C. Contractor's Profit (9% of TDC)							109,878.81
<b>Total Indirect Cost</b>							<b>268,592.64</b>
<b>Total Direct Cost + Total Indirect Cost</b>							<b>1,489,468.29</b>
<b>III. TAXES:</b>							
A. E-VAT (5% of TDC+TID)							<b>74,473.41</b>
<b>APPROVED PROJECT COST (APC)</b>							<b>P1,563,941.71</b>

**DEPARTMENT OF AGRICULTURE  
BUREAU OF SOIL AND WATER MANAGEMENT**

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**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>I. Preliminary Works</b>	270.00						
Survey layout & Chalk line	270.00	sq.m.	100.00	27,000.00			27,000.00
Personal Protective equipment (PPE's)	20.00	sets	1,350.00	27,000.00			27,000.00
<b>Total Cost of Preliminary Works</b>				<b>54,000.00</b>			<b>54,000.00</b>
<b>II. Demolition Works</b>							
Removal of unwantes equipments	273.00	kgs			25.00	6,825.00	6,825.00
Eradication of existing utilities	36.00	cu.m.			300.00	10,800.00	10,800.00
Removal of existing ceiling boards	170.00	sq.m.			200.00	34,000.00	34,000.00
Chipping works for existing tiles	170.00	sq.m.			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
<b>Total Cost of Demolition Works</b>				<b>40,000.00</b>		<b>110,625.00</b>	<b>150,625.00</b>
<b>III. Restoration Works</b>							
Cement	39.00	bags	260.00	10,140.00			
Sand	5.00	m³	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			
Palette	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			
<b>Total Cost of Restoration Works</b>				<b>121,225.00</b>		<b>42,428.75</b>	<b>163,653.75</b>
<b>IV. Ceiling Works</b>							
<b>A. Gypsum Ceiling</b>	<b>270.00</b>	<b>sq.m.</b>					
Carrying Channel 12mmx38x1.0x5M	48.00	pc	390.00	18,720.00			
Furring Channel (hat type) 19mm x 50mm x 0.60 x 5M	98.00	pc	280.00	27,440.00			
Wall Angle 3M.	55.00	pc	126.00	6,930.00			
Steel angle	12.00	pc	284.00	3,408.00			
W Clip (G.I.)	42.00	pc	40.00	1,680.00			
Rod Joiner	42.00	pc	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	pc	95.00	2,185.00			
Drill bit 1/8"	22.00	pc	110.00	2,420.00			
Screw bit #2	22.00	pc	110.00	2,420.00			
<b>Total Cost of Gypsum Ceiling Works</b>				<b>140,058.00</b>		<b>49,020.30</b>	<b>189,078.30</b>

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

**DEPARTMENT OF AGRICULTURE  
BUREAU OF SOIL AND WATER MANAGEMENT**

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**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>V Floor Finishes</b>							
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			
Squeegee	30.00	pcs	65.00	1,950.00			
<b>Total Cost of Floor Works</b>				<b>54,150.00</b>		<b>18,952.50</b>	<b>73,102.50</b>
<b>VI Wall Finishes/Painting App</b>							
<b>A. Wall - Interior masonry</b>							
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			
<b>Total Cost of Wall Painting Works</b>				<b>56,589.00</b>		<b>33,953.40</b>	<b>90,542.40</b>
<b>B. Ceiling - Gypsum Board</b>	270.00	sq.m.					
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	pcs	135.00	1,350.00			
Roller Pan	10.00	pcs	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			
<b>Total Cost of Ceiling Painting Works</b>				<b>50,813.00</b>		<b>30,487.80</b>	<b>81,300.80</b>
<b>Total Cost of Painting Works</b>				<b>107,402.00</b>		<b>64,441.20</b>	<b>171,843.20</b>

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

**DEPARTMENT OF AGRICULTURE  
BUREAU OF SOIL AND WATER MANAGEMENT**

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**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>VII. Specialty Works</b>							
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)							
<b>Total Cost of Specialty Works</b>				<b>66,120.00</b>		<b>16,530.00</b>	<b>82,650.00</b>
<b>VIII Doors and Accessories</b>							
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)							
<b>Total Cost of Doors and Accessories</b>				<b>174,672.00</b>		<b>43,668.00</b>	<b>218,340.00</b>
<b>IX. Glass and Glazing @ 4th Floor Storage</b>							
12mm thk. Tempered Laminated	9.75	sq.m.	8,000.00	78,000.00		11,700.00	
Glass Partition, glass sliding							
inc accessories							
<b>Total Cost of Glass and Glazing</b>				<b>78,000.00</b>		<b>11,700.00</b>	<b>89,700.00</b>
<b>X Sanitary &amp; Plumbing</b>							
<b>A. Plumbing Roughing-ins</b>							
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>B. Plumbing Fixtures</b>							
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			
<b>C. Sanitary Roughing-ins</b>							
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			
<b>D. Sanitary Fixture</b>							
S.S. Lavatory 500x450	2.00	pcs	3,500.00	7,000.00			
<b>Total Cost of Plumbing and Sanitary</b>				<b>20,654.00</b>		<b>7,228.90</b>	<b>27,882.90</b>

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

**DEPARTMENT OF AGRICULTURE  
BUREAU OF SOIL AND WATER MANAGEMENT**

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)**

DESCRIPTION	QTY	MATERIAL COST			LABOR COST		TOTAL
	# Units	UM	P/Unit	Total	P/Unit	Total	
<b>ELECTRICAL WORKS</b>							
<b>A. Lighting Fixtures</b>							
LED troffer fixtures, 2x20W	90.00	set	900.00	81,000.00			
<b>B. Wiring Devices &amp; Other Fixtures</b>							
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			
<b>C. Wires and Cables</b>							
Copper wire, THHN 2.0 sq. mm.	25.00	roll	2,520.00	63,000.00			
Copper wire, THHN 3.5 sq. mm.	15.00	roll	3,360.00	50,400.00			
Copper wire, THHN 5.5 sq. mm.	50.00	roll	3,885.00	194,250.00			
Copper wire, THHN 14 sq. mm.	85.00	mts	62.30	5,295.50			
Copper wire, THHN 30 sq. mm	170.00	mts	147.00	24,990.00			
<b>D. Rough- ins</b>							
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			
<b>E. Panel Board &amp; Control Panel</b>							
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			
<b>Total Cost of Electrical Works</b>				<b>668,218.50</b>		<b>233,876.48</b>	<b>902,094.98</b>

PROJECT: Proposed Interior Renovation of BSWM Laboratories

BUDGETARY