

## PROGRAM OF WORKS

### BILL OF QUANTITIES

WINS 2022 - REGION 10 - EL SALVADOR CITY - 013

School	: ULALIMAN ELEMENTARY SCHOOL	Date:		
School I.D	: 127681	Budget Allocation:		
Region	: X - NORTHERN MINDANAO	Engineering and Administrative Overhead:		
Division	: EL SALVADOR CITY	Approved Budget for the Contract:		
Project Title:		Completion Period:		
PROPOSED CONSTRUCTION OF GROUP HANDWASHING FACILITY - FOR ELEMENTARY (NEW OPTION 2A - WITHOUT ROOFING, WITH COUNTER - PAINTED CEMENT FINISH)		Minimum Required Manpower:		
		General Foreman	Welder	Carpenter
		Helper	Mason	Painter
Location : ULALIMAN, EL SALVADOR CITY		Minimum Required Equipment:		
		Hand Tools	Welding Machine	
		One-Bagger Mixer	Bar Cutter	

  

ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
<b>I. DIRECT COST</b>						
	GENERAL REQUIREMENTS	-	lot	1.00	-	
1.0000	Earthworks	-	lot	1.00	-	
2.0000	Concreting Works	-	cu m	2.31	-	
3.0000	Rebar Works	-	kg	240.21	-	
4.0000	Formworks	-	lot	1.00	-	
5.0000	Masonry Works	-	sq m	6.06	-	
11.0000	Plumbing Works	-	lot	1.00	-	
13.0000	Painting Works	-	sq m	21.11	-	
	<b>Sub-Total</b>				-	
<b>II. INDIRECT COST 22% of (I)</b>						
	Overhead Expenses (8%)	-			-	
	Contingencies (3%)	-			-	
	Miscellaneous (1%)	-			-	
	Contractor's Profit (10%)	-			-	
	<b>Sub-Total</b>				-	
<b>III. TAX 5% of (I+II)</b>						
	<b>Sub-Total</b>	-			-	
<b>IV. TOTAL CONSTRUCTION COST (I + II + III)</b>						
		-			-	

Prepared by:

Contractor/Authorized Representative

## PROGRAM OF WORKS

### DETAILED COST ESTIMATE

PROJECT : PROPOSED CONSTRUCTION OF GROUP HANDWASHING FACILITY - FOR ELEMENTARY (NEW OPTION 2A - WITHOUT ROOFING, WITH COUNTER WITH PAINTED CEMENT FINISH)

SCHOOL : ULALIMAN ELEMENTARY SCHOOL

LOCATION : ULALIMAN, EL SALVADOR CITY

OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	<b>GENERAL REQUIREMENTS</b>							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00	-	-	-	-	-
	Project Billboard	lot	1.00	-	-	-	-	-
	Safety and Health	lot	1.00	-	-	-	-	-
	Fire Safety Inspection Certificate (FSIC)	lot	1.00	-	-	-	-	-
	Other Permit Fee	lot	1.00	-	-	-	-	-
	Hauling cost	lot	1.00	-	-	-	-	-
	<b>Sub-total</b>							
1.0000	<b>Earthworks</b>							
1.0100	Clearing and Grubbing	sq.m	13.48	-	-	-	-	-
1.0200	Structural Excavation	cu.m	1.17	-	-	-	-	-
1.0300	Backfilling and Compaction	cu.m	-	-	-	-	-	-
1.0400	Gravel Bedding G-1	cu.m	0.31	-	-	-	-	-
	<b>Sub-total</b>							
2.0000	<b>Concreting Works</b>							
	Column (PC)	cu.m	0.11					
2.0200	Portland Cement	bag	2.00	-	-	-	-	-
2.0300	Crushed Gravel 3/4"	cu.m	0.25	-	-	-	-	-
2.0500	Washed Sand	cu.m	0.25	-	-	-	-	-
	Slab on Grade	cu.m	1.35					
2.0200	Portland Cement	bag	13.00	-	-	-	-	-
2.0300	Crushed Gravel 3/4"	cu.m	1.50	-	-	-	-	-
2.0500	Washed Sand	cu.m	0.75	-	-	-	-	-
	R. C. Concrete Counter	cu.m	0.61					
2.0200	Portland Cement	bag	6.00	-	-	-	-	-
2.0300	Crushed Gravel 3/4"	cu.m	0.75	-	-	-	-	-
2.0500	Washed Sand	cu.m	0.50	-	-	-	-	-
	Lean Concrete	cu.m	0.24					
2.0200	Portland Cement	bag	3.00	-	-	-	-	-
2.0500	Washed Sand	cu.m	0.25	-	-	-	-	-
	<b>Sub-total</b>							
3.0000	<b>Rebar Works</b>							
	Column (PC)	kg	16.82					
	R. C. Concrete Counter	kg	71.20					
3.0500	Deformed Round Bars, Grade 40	kg	88.02	-	-	-	-	-
	Column (PC)	kg	13.54					
	Slab on Grade	kg	64.23					
3.0900	Deformed Round Bars, Grade 33	kg	77.77	-	-	-	-	-
3.1200	G.I. Tie Wire	kg	5.00	-	-	-	-	-
	<b>Sub-total</b>							
4.0000	<b>Formworks</b>							
	Column (PC)	sq.m	2.30					
4.0100	Coco Lumber	bd.ft	12.00	-	-	-	-	-
4.0200	Plywood Ordinary, 1/4" x 4' x 8'	pe	1.00	-	-	-	-	-
4.0400	CWN, Assorted	kg	1.00	-	-	-	-	-
	R. C. Concrete Counter	sq.m	10.10					
4.0100	Coco Lumber	bd.ft	51.60	-	-	-	-	-
4.0200	Plywood Ordinary, 1/4" x 4' x 8'	pc	2.00	-	-	-	-	-
4.0400	CWN, Assorted	kg	1.00	-	-	-	-	-
	<b>Sub-total</b>							
5.0000	<b>Masonry Works</b>							
	Masonry Wall	sq.m	6.06					
5.0200	CHB 6" thk	pc	80.00	-	-	-	-	-
2.0200	Portland Cement	bag	4.00	-	-	-	-	-
2.0500	Washed Sand	cu.m	1.00	-	-	-	-	-
5.0400	10mm x 6m RSR	kn	9.00	-	-	-	-	-

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
3.1200	G.I. Tie Wire	kg	1.00	-	-	-	-	-
	Plastering	sq.m	12.13					
2.0200	Portland Cement	bag	5.00	-	-	-	-	-
2.0500	Washed Sand	cu.m	1.00	-	-	-	-	-
	<b>Sub-total</b>							-
11.0000	<b>Plumbing Works</b>							
	Water Line							
11.0500	Faucet, Hose Bibb, Brass 1/2"Ø	pc	14.00	-	-	-	-	-
	5 Gals Capacity Water Container (Stainless Steel)	pc	2.00	-	-	-	-	-
7.2620	G.I. Pipe 1"Ø Sch. 40	pc	2.00	-	-	-	-	-
	G.I. Coupling, 1"Ø	pc	2.00	-	-	-	-	-
	G.I. Elbow 90° x 1"Ø	pc	4.00	-	-	-	-	-
	G.I. Cross Tee Reducer, 1" x 1/2"Ø	pc	7.00	-	-	-	-	-
	G.I. Female Adaptor 1/2"Ø	pc	14.00	-	-	-	-	-
11.4200	Teflon Tape	roll	12.00	-	-	-	-	-
	Drainage Line							
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	6.00	-	-	-	-	-
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	4.00	-	-	-	-	-
12.1600	PVC Sanitary Wye 4" x 4"	pc	1.00	-	-	-	-	-
12.2000	PVC Sanitary Wye Reducer 4" x 2"	pc	3.00	-	-	-	-	-
12.1410	PVC Sanitary Elbow 1/8 x 2"Ø	pc	3.00	-	-	-	-	-
12.1300	PVC Sanitary Elbow 1/8 x 4"Ø	pc	1.00	-	-	-	-	-
12.1100	PVC Sanitary Elbow 90° x 2"Ø	pc	5.00	-	-	-	-	-
12.2200	PVC Sanitary Tee 2" x 2"	pc	5.00	-	-	-	-	-
12.2400	Brass Cleanout 4" x 4"	pc	1.00	-	-	-	-	-
12.2700	PVC P-Trap 2"	pc	8.00	-	-	-	-	-
11.4410	S.S. Floor Drain 4" x 4"	set	8.00	-	-	-	-	-
12.3000	PVC Cement	can	5.00	-	-	-	-	-
	Platform/ Stair							
7.2500	Square Bar 12mm□	pc	4.00	-	-	-	-	-
	1" x 1" x 1.2mm thk Steel Tubular	pcs	2.00	-	-	-	-	-
7.1010	L 50 x 50 x 1.2mm thk	kg	24.18	-	-	-	-	-
7.1050	Flat Bar 1" x 1/4"	kg	22.20	-	-	-	-	-
7.3600	Welding Rod	kg	2.00	-	-	-	-	-
	<b>Sub-total</b>							-
13.0000	<b>Painting Works</b>							
	Concrete surfaces	sq.m	21.11					
13.0100	Neutralizer	gal	1.00	-	-	-	-	-
13.0200	Latex, Flat	gal	1.00	-	-	-	-	-
13.0300	Masonry Putty	gal	1.00	-	-	-	-	-
13.0400	Latex, Semi Gloss	gal	1.00	-	-	-	-	-
13.0500	Acri Color	qrt	1.00	-	-	-	-	-
	<b>Sub-total</b>							-
I.	<b>DIRECT COST</b>							-
II.	<b>INDIRECT COST 22% of (I - Gen. Req.)</b>							-
III.	<b>TAX 5% of (I + II)</b>							-
IV.	<b>TOTAL CONSTRUCTION COST (I + II + III)</b>							-

Prepared by:

Contractor/Authorized Representative



## PROGRAM OF WORKS

### BILL OF QUANTITIES

WINS 2022 - REGION 10 - EL SALVADOR CITY - 014

<b>School</b> : HIMAYA NATIONAL HIGH SCHOOL <b>School I.D</b> : 304768 <b>Region</b> : X - NORTHERN MINDANAO <b>Division</b> : EL SALVADOR CITY <b>Project Title</b> : PROPOSED CONSTRUCTION OF GROUP HANDWASHING FACILITY - FOR SECONDARY (NEW OPTION 2A - WITHOUT ROOFING, WITH COUNTER - PAINTED CEMENT FINISH) <b>Location</b> : HIMAYA, EL SALVADOR CITY	<b>Date:</b> <b>Budget Allocation:</b> <b>Engineering and Administrative Overhead:</b> <b>Approved Budget for the Contract:</b> <b>Completion Period:</b> <b>Minimum Required Manpower:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">General Foreman</td> <td style="width: 33%;">Welder</td> <td style="width: 33%;">Carpenter</td> </tr> <tr> <td>Helper</td> <td>Mason</td> <td>Painter</td> </tr> </table> <b>Minimum Required Equipment:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Hand Tools</td> <td style="width: 50%;">Welding Machine</td> </tr> <tr> <td>One-Bagger Mixer</td> <td>Bar Cutter</td> </tr> </table>	General Foreman	Welder	Carpenter	Helper	Mason	Painter	Hand Tools	Welding Machine	One-Bagger Mixer	Bar Cutter
General Foreman	Welder	Carpenter									
Helper	Mason	Painter									
Hand Tools	Welding Machine										
One-Bagger Mixer	Bar Cutter										

  

ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	<b>I. DIRECT COST</b>					
	GENERAL REQUIREMENTS	-	lot	1.00	-	
1.0000	Earthworks	-	lot	1.00	-	
2.0000	Concreting Works	-	cu m	2.31	-	
3.0000	Rebar Works	-	kg	240.21	-	
4.0000	Formworks	-	lot	1.00	-	
5.0000	Masonry Works	-	sq m	6.06	-	
11.0000	Plumbing Works	-	lot	1.00	-	
13.0000	Painting Works	-	sq m	21.11	-	
	<b>Sub-Total</b>					
	<b>II. INDIRECT COST 22% of (I)</b>					
	Overhead Expenses (8%)	-			-	
	Contingencies (3%)	-			-	
	Miscellaneous (1%)	-			-	
	Contractor's Profit (10%)	-			-	
	<b>Sub-Total</b>	-			-	
	<b>III. TAX 5% of (I+II)</b>	-			-	
	<b>Sub-Total</b>	-			-	
	<b>IV. TOTAL CONSTRUCTION COST (I + II + III)</b>	-			-	

Prepared by:

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 Contractor/Authorized Representative



## PROGRAM OF WORKS

### DETAILED COST ESTIMATE

PROJECT : PROPOSED CONSTRUCTION OF GROUP HANDWASHING FACILITY - FOR SECONDARY (NEW OPTION 2A - WITHOUT ROOFING, WITH COUNTER WITH PAINTED CEMENT FINISH)  
SCHOOL : HIMAYA NATIONAL HIGH SCHOOL  
LOCATION : HIMAYA, EL SALVADOR CITY  
OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00	-	-	-	-	-
	Project Billboard	lot	1.00	-	-	-	-	-
	Safety and Health	lot	1.00	-	-	-	-	-
	Fire Safety Inspection Certificate (FSIC)	lot	1.00	-	-	-	-	-
	Other Permit Fee	lot	1.00	-	-	-	-	-
	Hauling cost	lot	1.00	-	-	-	-	-
	Sub-total							-
1.0000	Earthworks							
1.0100	Clearing and Grubbing	sq.m	13.48	-	-	-	-	-
1.0200	Structural Excavation	cu.m	1.17	-	-	-	-	-
1.0300	Backfilling and Compaction	cu.m	-	-	-	-	-	-
1.0400	Gravel Bedding G-1	cu.m	0.31	-	-	-	-	-
	Sub-total							-
2.0000	Concreting Works							
	Column (PC)	cu.m	0.11					
2.0200	Portland Cement	bag	2.00	-	-	-	-	-
2.0300	Crushed Gravel 3/4"	cu.m	0.25	-	-	-	-	-
2.0500	Washed Sand	cu.m	0.25	-	-	-	-	-
	Slab on Grade	cu.m	1.35					
2.0200	Portland Cement	bag	13.00	-	-	-	-	-
2.0300	Crushed Gravel 3/4"	cu.m	1.50	-	-	-	-	-
2.0500	Washed Sand	cu.m	0.75	-	-	-	-	-
	R. C. Concrete Counter	cu.m	0.61					
2.0200	Portland Cement	bag	6.00	-	-	-	-	-
2.0300	Crushed Gravel 3/4"	cu.m	0.75	-	-	-	-	-
2.0500	Washed Sand	cu.m	0.50	-	-	-	-	-
	Lean Concrete	cu.m	0.24					
2.0200	Portland Cement	bag	3.00	-	-	-	-	-
2.0500	Washed Sand	cu.m	0.25	-	-	-	-	-
	Sub-total							-
3.0000	Rebar Works							
	Column (PC)	kg	16.82					
	R. C. Concrete Counter	kg	71.20					
3.0500	Deformed Round Bars, Grade 40	kg	88.02	-	-	-	-	-
	Column (PC)	kg	13.54					
	Slab on Grade	kg	64.23					
3.0900	Deformed Round Bars, Grade 33	kg	77.77	-	-	-	-	-
3.1200	G.I. Tie Wire	kg	5.00	-	-	-	-	-
	Sub-total							-
4.0000	Formworks							
	Column (PC)	sq.m	2.30					
4.0100	Coco Lumber	bd.ft	12.00	-	-	-	-	-
4.0200	Plywood Ordinary, 1/4" x 4' x 8'	pc	1.00	-	-	-	-	-
4.0400	CWN, Assorted	kg	1.00	-	-	-	-	-
	R. C. Concrete Counter	sq.m	10.10					
4.0100	Coco Lumber	bd.ft	51.60	-	-	-	-	-
4.0200	Plywood Ordinary, 1/4" x 4' x 8'	pc	2.00	-	-	-	-	-
4.0400	CWN, Assorted	kg	1.00	-	-	-	-	-
	Sub-total							-
5.0000	Masonry Works							
	Masonry Wall	sq.m	6.06					
5.0200	CHB 6" thk	pc	80.00	-	-	-	-	-
2.0200	Portland Cement	bag	4.00	-	-	-	-	-
2.0500	Washed Sand	cu.m	1.00	-	-	-	-	-

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
5.0400	10mm x 6m RSB	kg	9.00	-	-	-	-	-
3.1200	G.I. Tie Wire	kg	1.00	-	-	-	-	-
	Plastering	sq.m	12.13	-	-	-	-	-
2.0200	Portland Cement	bag	5.00	-	-	-	-	-
2.0500	Washed Sand	cu.m	1.00	-	-	-	-	-
	<b>Sub-total</b>							-
<b>11.0000</b>	<b>Plumbing Works</b>							-
	Water Line							
11.0500	Faucet, Hose Bibb, Brass 1/2"Ø	pc	14.00	-	-	-	-	-
	5 Gals Capacity Water Container (Stainless Steel)	pc	2.00	-	-	-	-	-
7.2620	G.I. Pipe 1"Ø Sch. 40	pc	2.00	-	-	-	-	-
	G.I. Coupling, 1"Ø	pc	2.00	-	-	-	-	-
	G.I. Elbow 90° x 1"Ø	pc	4.00	-	-	-	-	-
	G.I. Cross Tee Reducer, 1" x 1/2"Ø	pc	7.00	-	-	-	-	-
	G.I. Female Adaptor 1/2"Ø	pc	14.00	-	-	-	-	-
11.4200	Teflon Tape	roll	12.00	-	-	-	-	-
	Drainage Line							
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	6.00	-	-	-	-	-
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	4.00	-	-	-	-	-
12.1600	PVC Sanitary Wye 4" x 4"	pc	1.00	-	-	-	-	-
12.2000	PVC Sanitary Wye Reducer 4" x 2"	pc	3.00	-	-	-	-	-
12.1410	PVC Sanitary Elbow 1/8 x 2"Ø	pc	3.00	-	-	-	-	-
12.1300	PVC Sanitary Elbow 1/8 x 4"Ø	pc	1.00	-	-	-	-	-
12.1100	PVC Sanitary Elbow 90° x 2"Ø	pc	5.00	-	-	-	-	-
12.2200	PVC Sanitary Tee 2" x 2"	pc	5.00	-	-	-	-	-
12.2400	Brass Cleanout 4" x 4"	pc	1.00	-	-	-	-	-
12.2700	PVC P-Trap 2"	pc	8.00	-	-	-	-	-
11.4410	S.S. Floor Drain 4" x 4"	set	8.00	-	-	-	-	-
12.3000	PVC Cement	can	5.00	-	-	-	-	-
	Platform/ Stair							
7.2500	Square Bar 12mm□	pc	4.00	-	-	-	-	-
	1" x 1" x 1.2mm thk Steel Tubular	pcs	2.00	-	-	-	-	-
7.1010	L 50 x 50 x 1.2mm thk	kg	24.18	-	-	-	-	-
7.1050	Flat Bar 1" x 1/4"	kg	22.20	-	-	-	-	-
7.3600	Welding Rod	kg	2.00	-	-	-	-	-
	<b>Sub-total</b>							-
<b>13.0000</b>	<b>Painting Works</b>							-
	Concrete surfaces	sq.m	21.11					
13.0100	Neutralizer	gal	1.00	-	-	-	-	-
13.0200	Latex, Flat	gal	1.00	-	-	-	-	-
13.0300	Masonry Putty	gal	1.00	-	-	-	-	-
13.0400	Latex, Semi Gloss	gal	1.00	-	-	-	-	-
13.0500	Acrylic Color	qrt	1.00	-	-	-	-	-
	<b>Sub-total</b>							-
<b>I.</b>	<b>DIRECT COST</b>							-
<b>II.</b>	<b>INDIRECT COST 22% of (I - Gen. Req.)</b>							-
<b>III.</b>	<b>TAX 5% of (I + II)</b>							-
<b>IV.</b>	<b>TOTAL CONSTRUCTION COST (I + II + III)</b>							-

Prepared by:

Contractor/Authorized Representative