

Project: Renovation and Improvement of Flagpole
 Location: ISAT-U La Paz Campus, Burgos St., La Paz, Iloilo City
 Subject: BILL OF MATERIALS AND COST ESTIMATES

CONSTRUCTION COST

I	GENERAL REQUIREMENTS Temporary facilities including provisions of power, safety and health; site clearing and demobilization	1	lot		
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A. TEMPORARY FACILITIES					
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Electricity/water	1	lot		
2	Safety, Health, Signages and PPE	1	lot		
B. SITE CLEARING AND DEMOBILIZATION					
1	Site Clearing, Hauling of debris, Demobilization	1	lot		
Direct Cost				<i>Total Direct Cost</i>	
Indirect Cost				<i>Tax</i>	
Sub Total					
Unit Cost					

II	CONCRETE WORKS Selective demolition of existing pavement and flagpole pedestals; Selective demolition of table, Restoration of existing RC posts, ledges and floor slab (Gazebo) and Removal and transfer of commemorative marker; RC pavement, platform and pedestal; Benches, plant box and curbs; Concrete finish and plastering of all existing posts and walls as per plans				
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A. DEMOLITION					
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Selective demolition of existing pavement and flagpole pedestals	1	lot		
Direct Cost				<i>Total Direct Cost</i>	
Indirect Cost				<i>Tax</i>	
Sub Total					
Unit Cost					

B. SELECTIVE DEMOLITION OF TABLE, RESTORATION OF EXISTING RC POSTS, LEDGES AND FLOOR SLAB (GAZEBO); AND REMOVAL AND TRANSFER OF COMMEMORATIVE MARKER					
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Portland Cement (40kgs.,BPS Marked)		bags		
2	Sand (washed, passing 1/4" sieve)		cu.m.		
3	Gravel (screened,passing 3/4" sieve)		cu.m.		
4	Deformed Bars (10mmx6mm, Grade 33)		lengths		
5	Tie wire (#16, Galvanized Iron)		kgs.		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
				<i>Total Direct Cost</i>	
Indirect Cost				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

C. RC PAVEMENT, PLATFORM AND PEDESTAL (3000 psi)					
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Portland Cement (40kgs.,BPS Marked)		bags		
2	Sand (washed, passing 1/4" sieve)		cu.m.		
3	Gravel (screened,passing 3/4" sieve)		cu.m.		
4	Deformed Bars (10mmx6mm, Grade 33)		lengths		
5	Tie wire (#16, Galvanized Iron)		kgs.		
6	Formworks and Scaffoldings	1	lot		
7	Assorted Nails	1	lot		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
				<i>Total Direct Cost</i>	
Indirect Cost				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

D. BENCHES, PLANT BOX AND CURBS (3000 PSI)					
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Portland Cement (40kgs.,BPS Marked)		bags		
2	Sand (washed, passing 1/4" sieve)		cu.m.		
3	Gravel (screened,passing 3/4" sieve)		cu.m.		
4	Deformed Bars (10mmx6mm, Grade 33)		lengths		
5	Tie wire (#16, Galvanized Iron)		kgs.		
6	Formworks and Scaffoldings	1	lot		
7	Assorted Nails	1	lot		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
				<i>Total Direct Cost</i>	
Indirect Cost				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

E. FINISHING AND PLASTERING					
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Portland Cement (40kgs.,BPS Marked)		bags		
2	Sand (washed, passing 1/4" sieve)		cu.m.		
3	Tie wire (#16, Galvanized Iron)		kgs.		
4	2.8mm x 6mm x 6mm Welded Wire Mesh		m.		
5	Formworks and Scaffoldings	1	lot		

6	Assorted Nails	1	lot		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
Indirect Cost				<i>Total Direct Cost</i>	
				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

III	METAL WORKS Furnish, Fabrication and Installation of Flagpole and accessories; Bench support as per plans				
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A	FLAGPOLE AND ACCESSORIES	1.00	lot		
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	150mm Ø Cast Aluminum/Sched 40 G.I. Pole		lengths		
2	100mm Ø Cast Aluminum/Sched 40 G.I. Tapering Pole		lengths		
3	G.I. Cleats		lengths		
4	G.I. Halyard		pcs.		
5	G.I. External Revolving Truck		pcs.		
6	G.I. Ball Tip		pcs.		
7	20mmØ Round Bar		lengths		
8	Cast Aluminum Welding Rod		boxes		
9	4mm thk MS Plate		sheet		
10	SS Type 304L 20mmØ Round bar		lengths		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
Indirect Cost				<i>Total Direct Cost</i>	
				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

B.	BENCH SUPPORT	1.00	lot		
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	1.5mm x 50mm x 50mm Tubular Steel		lengths		
2	Welding Rod		kgs		
3	Assorted Screws	1	lot		
4	1/8" x 1/2" Blind Rivets		boxes		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
Indirect Cost				<i>Total Direct Cost</i>	
				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

IV	WOODS, PLASTICS AND COMPOSITES Furnish, Fabrication and Installation of wood benches and bench top as per plans				
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A.	BENCHES AND BENCH TOP	1.00	lot		
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	25mm x 50mm x 8' Kiln Dried Good Lumber		lengths		
2	50mm x 50mm x 8' Kiln Dried Good Lumber		lengths		
3	6mm x 40mm x 8' Lattice Moulding		lengths		
4	Wood Glue		gals.		
5	Assorted Screws and Nails	1	lot		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
Indirect Cost				<i>Total Direct Cost</i>	
				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

V.	FINISHES Furnish and Installation of Gazebo finishes; Furnish and Installation of RC pavement, platform and pedestal finishes; Application of paints and other coatings as per plans including restoration of all finishes affected by plumbing/electrical works and other works needed				
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A	GAZEBO FINISHES (ROOFING, FLOOR AND WALL)	sq.m.			
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	0.60m x 0.60m Vitrified Ceramic Matte Floor Tiles		pcs.		
2	0.30m x 0.30m Vitrified Ceramic Tiles		pcs.		
3	Portland Cement (40kgs.,BPS Marked)		bags		
4	Heavy duty Tile Adhesive		bags		
5	2kg Pack Tile Grout		packs		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
Indirect Cost				<i>Total Direct Cost</i>	
				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

B.	FINISHES ON RC PAVEMENT, PLATFORM AND PEDESTAL	sq.m.			
Item No.	Description	Qty	Unit	Unit Cost	Amount
1	0.60m x 0.60m Polished Porcelain Tiles		pcs.		
2	0.60m x 0.60m Polished Porcelain Tiles		pcs.		
3	0.60m x 0.60m Polished Porcelain Tiles		pcs.		
4	0.60m x 0.60m Polished Porcelain Tiles		pcs.		
5	0.60m x 0.60m Polished Porcelain Tiles		pcs.		

6	0.30m x 0.30m Cement Tiles		pcs.		
7	25 kg Pebbles		bags		
8	Portland Cement (40kgs.,BPS Marked)		bags		
9	Heavy duty Tile Adhesive		bags		
10	2kg Pack Tile Grout		packs		
Direct Cost			<i>Total Materials Cost</i>		
			<i>Labor Cost</i>		
			<i>Total Direct Cost</i>		
Indirect Cost			<i>O.C.M. & Profit</i>		
			<i>Tax</i>		
Sub Total					
Unit Cost					

C. PAINTING AND COATINGS

sq.m

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	All exposed reinforced concrete walls, plant boxes, ledges, commemorative marker (Semi-gloss Solvent based Finish)		sq.m.		
2	Flagpoles, Gazebo Roofing and Metal Bench Support (Epoxy Enamel)		sq.m.		
3	Bench and Bench top (Gloss Lacquer and Stain finish as specified)		sq.m.		
4	Pebble Washout Concrete Base (Clear Lacquer finish as specified)		sq.m.		
Direct Cost			<i>Total Materials Cost</i>		
			<i>Labor Cost</i>		
			<i>Total Direct Cost</i>		
Indirect Cost			<i>O.C.M. & Profit</i>		
			<i>Tax</i>		
Sub Total					
Unit Cost					

VI	ELECTRICAL Furnish and Installation of lighting fixtures, wiring devices, conductors/wires and cables, conduits, panelboards and circuit breakers as per plans				
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A. LIGHTING FIXTURES

1.00 lot

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	9w LED Spot Light		sets		
2	LED Pole Light		sets		
3	9w LED Wall Lamp		sets		
4	3w Stair Light		sets		
5	14w/m LED Strip Light (Warm white)		m.		
Direct Cost			<i>Total Materials Cost</i>		
			<i>Labor Cost</i>		
			<i>Total Direct Cost</i>		
Indirect Cost			<i>O.C.M. & Profit</i>		
			<i>Tax</i>		
Sub Total					
Unit Cost					

B. WIRING DEVICES

1.00 lot

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	3 - Gang Switch Wide Series		sets		
2	Duplex Wide Series Universal outlet w/ Ground		sets		
Direct Cost			<i>Total Materials Cost</i>		
			<i>Labor Cost</i>		
			<i>Total Direct Cost</i>		
Indirect Cost			<i>O.C.M. & Profit</i>		
			<i>Tax</i>		
Sub Total					
Unit Cost					

C. WIRES AND CABLES

1.00 lot

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	2.00 mm2 THHN copper wire (green)		boxes		
2	3.50 mm2 THHN copper wire		boxes		
3	5.50 mm2 THHN copper wire		boxes		
4	8.00 mm2 THHN copper wire		boxes		
5	30.00 mm2 THHN copper wire		m.		
Direct Cost			<i>Total Materials Cost</i>		
			<i>Labor Cost</i>		
			<i>Total Direct Cost</i>		
Indirect Cost			<i>O.C.M. & Profit</i>		
			<i>Tax</i>		
Sub Total					
Unit Cost					

D. CONDUITS, BOXES, ELBOWS AND OTHERS

1.00 lot

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Utility box		pcs.		
2	Junction box w/ cover		pcs.		
3	20mmØ PVC Rigid Electrical Conduit		lengths		
4	32mmØ PVC Rigid Electrical Conduit		lengths		
5	20mmØ PVC Flexible Electrical Conduit		m.		
6	32mmØ PVC Flexible Electrical Conduit		m.		
7	20mmØ PVC Rigid PVC Elbow		pcs.		
8	32mmØ PVC Rigid PVC Elbow		pcs.		
10	Fittings/raceways	1	lot		
11	Electrical tape		pcs.		
12	PVC solvent cement - 100CC		cans		
13	Tie wire (#16, Galvanized Iron)		kgs.		
Direct Cost			<i>Total Materials Cost</i>		
			<i>Labor Cost</i>		
			<i>Total Direct Cost</i>		
Indirect Cost			<i>O.C.M. & Profit</i>		
			<i>Tax</i>		

Sub Total		
Unit Cost		

E. PANELBOARDS AND CIRCUIT BREAKERS

1.00 lot

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	100A, 2P, 240V Main Circuit Breaker		sets		
2	15A, 2P, 240V Circuit Breaker		sets		
3	20A, 2P, 240V Circuit Breaker		sets		
4	30A, 2P, 240V Circuit Breaker		sets		
5	Miniature Type Flush Enclosure 10 Branches		sets		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
				<i>Total Direct Cost</i>	
Indirect Cost				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

VII.	SITE DEVELOPMENT Site Clearing; Furnish and Installation of Park pavement/pathways; Grading; Planting and landscape as per plans				
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A. SITE CLEARING

1.00 lot

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Clearing of weeds, Pruning and trimming of affected branches	1	lot		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
				<i>Total Direct Cost</i>	
Indirect Cost				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

B. PARK PAVEMENT/PATHWAYS

1.00 lot

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Pavers		sq.m.		
2	Portland Cement (40kgs.,BPS Marked)		bags		
3	Sand (washed, passing 1/4" sieve)		cu.m.		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
				<i>Total Direct Cost</i>	
Indirect Cost				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

C. GRADING

1.00 lot

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Top soil		sq.m.		
2	Garden soil		sq.m.		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
				<i>Total Direct Cost</i>	
Indirect Cost				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

D. PLANTING AND LANDSCAPE

1.00 lot

Item No.	Description	Qty	Unit	Unit Cost	Amount
1	Turf		sq.m.		
2	Palm		pcs.		
3	Trees (Trumpet & Fire Tree)		pcs.		
4	Ornamental Plants		pcs.		
5	Hedges		pcs.		
6	Topiary		pcs.		
7	Shrub		pcs.		
8	50mm Ø Bamboo pole		pcs.		
9	Wood Trellis		pcs.		
10	Boulders		pcs.		
11	Clay pots		pcs.		
Direct Cost				<i>Total Materials Cost</i>	
				<i>Labor Cost</i>	
				<i>Total Direct Cost</i>	
Indirect Cost				<i>O.C.M. & Profit</i>	
				<i>Tax</i>	
Sub Total					
Unit Cost					

BREAKDOWN OF CONSTRUCTION COST

DIRECT COST	Total Material Cost	
	Total Labor Cost	
	Total Direct Cost	
INDIRECT COST	O.C.M & Profit	
	Tax	
TOTAL CONSTRUCTION COST (PhP)		

Total bid cost in words

Contractor/Bidder

Owner/Authorized Representative

BREAKDOWN OF CONSTRUCTION COST		
DIRECT COST	Total Material Cost	
	Total Labor Cost	
	Total Direct Cost	
INDIRECT COST	O.C.M & Profit	
	Tax	
TOTAL CONSTRUCTION COST (PhP)		

Total bid cost in words

Contractor/Bidder

Owner/Authorized Representative