

**BILL OF QUANTITIES**  
(Building Construction/Rehabilitation Project)

**PROJECT TITLE :** PROPOSED REHABILITATION OF FIRE EXIT AT RAMON MAGSAYSAY HIGH SCHOOL  
**LOCATION :** BARANGAY PALIGSAHAN, DISTRICT 4, QUEZON CITY  
**PROJECT NO. :** 20 - 00133  
**DURATION :** Ninety (90) Calendar Days

**Scope of Works :**

- 1 General Requirement include temporary enclosure, facilities and utilities, billboard, construction safety and health, scaffoldings clearing, hauling and disposal of construction materials and debris
- 2 Site works include partial chipping for new fire exit doors and demolition of old fire exit
- 3 Civil works including steel fabrication of new fire exits
- 4 Architectural works include painting of new steel fire exit stairs and wall painting on previous fire exit location and newly plastered fire exit door openings
- 5 Installation of Fire Exit Doors
- 6 Installation of electrical roughing-ins, pipelines, wiring devices and fixtures.
- 7 All necessary testing and commissioning works must be performed as per standard procedures.

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
<b>I</b>	<b>GENERAL REQUIREMENTS</b>				
	Billboard	1	pc	P	P
	Clearing, Hauling and Disposal of Construction materials and debris	5	t.l.		
	Construction Safety and Health	1	unit		
	Scaffolding (Rental)	206	sq.m.		
	Temporary enclosure around the construction area (H=2.4m)	43	l.m.		
	Temporary electrical and water facilities	90	days		
				<b>Direct Cost I</b>	<b>P</b>
<b>II</b>	<b>SITE WORKS</b>				
	Demolition Works				
	Demolition of Masonry Wall for Fire Exit Door	19	sq.m.	P	P
	Removal of fire exit	162	sq.m.		
				<b>Direct Cost II</b>	<b>P</b>
<b>III</b>	<b>CIVIL WORKS</b>				
	Masonry Works				
	Plastering of Door Openings	32	l.m.	P	P
	Metal Works				
	Landing of Fire Exits				
	150mm X 50mm x 6mm Tubular	2,187	kgs		
	Landing Corbel and Stair Stringer				
	50mm X 50mm x 6mm Angle Bar	2,633	kgs		
	Tread Frame				
	38mm X 38mm x 6mm Angle Bar	1,331	kgs		
	Hand Rail, Base Rail and Newel				
	50mm Sch.40 BI Pipe	1,183	kgs		
	Stair and Landing Ballustrade				
	12mm Square Bar	443	kgs		
	Stair Step and Landings				
	3mm Checkered Plate	1,615	kgs		
	6mm Plates	146	kgs		
	25mm Ø x 150mm Anchor Bolt	336	pcs		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Miscellaneous and Consumables				
	Acetelyn Tank Refill	12	tanks		
	Assorted Metal Drill Bit	20	pcs		
	Cut Off Blade	10	pcs		
	Grinding Disc Metal	12	pcs		
	Oxygen Tank Refill	24	tanks		
	Welding Rod	3	boxes		
				Materials Cost III	P
				Labor Cost III	P
				<b>Direct Cost III</b>	<b>P</b>
<b>IV</b>	<b>ARCHITECTURAL WORKS</b>				
	Painting Works				
	Epoxy Paint Finish (steel surfaces)	403	sq.m.	P	P
	Elastomeric Paint Finish (exterior walls)	336	sq.m.		
	Fabricated Materials				
	Doors				
	D1- (2.10m x 1.0m) Metal Flush Door including lockset	6	sets		
	Accessories				
	Door Jambs	6	set		
				Materials Cost IV	P
				Labor Cost IV	P
				<b>Direct Cost IV</b>	<b>P</b>
<b>V</b>	<b>ELECTRICAL WORKS</b>				
	Roughing-ins, Pipes and Fittings				
	16mm x 16mm x 2.44m Rectangular PVC Moulding	14	pcs	P	P
	Wires and Cables				
	3.5mm <sup>2</sup> THHN Wire	70	l.m.		
	Lighting Fixtures (Energy Efficient)				
	Exit Light Milled Aluminum Type Double-sided Face, 1.2V, 600mAh Rechargeable Ni-Cd Battery	6	pcs		
	Pipe Hangers & Supports				
	Horizontal layout of pipe more than less than 50mmØ	30	l.m.		
	Miscellaneous & Consumables				
	6mm Ø x 37mm Tox w/ Screw	1	box		
	Electrical Tape	2	rolls		
	Masking Tape	1	roll		
	Rubber Tape	1	roll		
				Materials Cost V	P
				Labor Cost V	P
				<b>Direct Cost V</b>	<b>P</b>

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
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**SUMMARY**

I II III IV V	GENERAL REQUIREMENTS SITE WORKS CIVIL WORKS ARCHITECTURAL WORKS ELECTRICAL WORKS	<b>P</b>
<b>TOTAL DIRECT COST</b>		<b>P</b>
OCM PROFIT VAT		<b>P</b>
<b>PROJECT COST</b>		<b>P</b>

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**PROJECT NO. :** 20 - 00133

**DURATION :** Niney (90) Calendar Days

**BREAKDOWN OF COST**

ITEM NO.	ITEM OF WORK (Description)	MATERIALS COST	LABOR COST	INDIRECT COST	AGGREGATE COST
I	GENERAL REQUIREMENTS				
II	SITE WORKS				
III	CIVIL WORKS				
II	ARCHITECTURAL WORKS				
III	ELECTRICAL WORKS				

**TOTAL COST P**

LUMP SUM BID IN WORDS : \_\_\_\_\_

\_\_\_\_\_

Contractor : \_\_\_\_\_