

BILL OF QUANTITIES
(Building Construction/Rehabilitation Project)

PROJECT TITLE : PROPOSED UPGRADING OF SERVICE ENTRANCE AT DON QUINTIN HIGH SCHOOL
LOCATION : BARANGAY QUIRINO 2-B, DISTRICT 3, QUEZON CITY
PROJECT NO. : 20 - 00129
DURATION : Sixty (60) Calendar Days

SCOPE OF WORKS:

- 1 General requirements include temporary facilities and utilities, billboard, scaffolding and construction safety and health and hauling and disposal of demolished materials and debris.
- 2 Installation of electrical roughing-ins and wirings.
- 3 Installation of panel board and its accessories.
- 4 All necessary testing of materials and commissioning works must be performed as per standard procedure.

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	UNIT	QTY	UNIT	UNIT COST	TOTAL COST
I	GENERAL REQUIREMENTS					
	Billboard	pc	1	pc	P	P
	Clearing, Hauling and Disposal of Construction Materials and Debris	t.l	1	t.l		
	Construction Health and Safety	unit	1	unit		
	Scaffolding (Rental)	sq.m	20	sq.m		
	Temporary enclosure around the construction area (H=2.4m)	l.m.	40	l.m.		
	Temporary lighting and water facilities	days	60	days		
					Direct Cost I	P
II	SITE WORKS					
	Chipping of CHB Walls		2	sq.m	P	P
	Chipping of concrete topping		21	sq.m		
	Demolition Works					
	Dismantling of existing DP-DPWH	lm	1	assy		
	Main: 1- 200AT/300AF, 2P, 230V,MCCB in NEMA 1					
	Branches: 3- 60AT/100AF, 2P, 230V					
	Dismantling of existing DP-BL	lm	1	assy		
	Main: 1- 100AT/150AF, 2P, 230V,MCCB in NEMA 1					
	Branches: 8- 15AT/100AF, 2P, 230V					
	Branches: 10- 30AT/100AF, 2P, 230V					
	Dismantling of existing LP-CC	lm	1	assy		
	Main: 1- 60AT/100AF, 2P, 230V,MCCB in NEMA 1					
	Branches: 5- 20AT/100AF, 2P, 230V					
	Layout and Staking		21	sq.m		
	Site Clearing and Preparation		21	sq.m		
	Excavation Works		15	cu.m		
					Subtotal	
	Gravel Bedding	cu.m	4	cu.m	P	P
					Materials Cost	
					Labor Cost	
					Subtotal	
					Materials Cost II	P
					Labor Cost II	
					Direct Cost II	P

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	UNIT	QTY	UNIT	UNIT COST	TOTAL COST
III	CIVIL WORKS / STRUCTURAL WORKS					
A	Concrete Works					
	On Site Mix Concrete					
	Earth Pit for Electrical Grounding system	cu.m	1	cu.m	P	P
	Footing	cu.m	1	cu.m		
	Column		4	cu.m		
B	Reinforcing Steel Bars					
	Grade 40 Reinforcing Steel Bar with G.I. Tie Wire #16					
	10mmØ Column		71	kg		
	Grade 60 Reinforcing Steel Bar with G.I. Tie Wire #16					
	16mmØ Footing		57	kg		
	16mmØ Column		133	kg		
C	Formworks & Scaffoldings					
	Earth Pit for Electrical Grounding system	sq.m	2	sq.m		
	Column	sq.m	22	sq.m		
	Column		7	l.m.		
D	Metal works					
	50mm x 50mm x 4mm thick Angle Bar	kg	121	kg		
					Materials Cost III	P
					Labor Cost III	
					Direct Cost III	P
IV	ARCHITECTURAL WORKS					
A	Painting Works					
	Epoxy Enamel Paint Finish (Electrical Works)	sq.m	3	sq.m	P	P
	Red Oxide Primer (Electrical Works)	sq.m	3	sq.m		
					Materials Cost IV	P
					Labor Cost IV	
					Direct Cost IV	P
V	ELECTRICAL WORKS					
	Roughing-ins, Pipes and Fittings					
	32mmØ PVC Pipe	pcs	6	pcs	P	P
	40mmØ PVC Pipe	pcs	6	pcs		
	63mmØ PVC Pipe	pcs	1	pc		
	80mmØ PVC Pipe	pcs	16	pcs		
	25mmØ IMC Pipe	pcs	1	pc		
	63mmØ IMC Pipe	pcs	4	pcs		
	32mmØ PVC Elbow	pcs	3	pcs		
	40mmØ PVC Elbow	pcs	2	pcs		
	63mmØ PVC Elbow	pcs	2	pcs		
	32mmØ PVC Adaptor	pcs	2	pcs		
	40mmØ PVC Adaptor	pcs	2	pcs		
	63mmØ PVC Adaptor	pcs	2	pcs		
	80mmØ PVC Adaptor	pcs	6	pcs		
	25mmØ IMC Locknut & Bushing	pcs	4	pcs		
	32mmØ IMC Locknut & Bushing		4	pcs		
	40mmØ IMC Locknut & Bushing	pcs	4	pcs		
	63mmØ IMC Locknut & Bushing	pcs	4	pcs		
	80mmØ IMC Locknut & Bushing	pcs	12	pcs		
	25mmØ IMC Coupling	pcs	2	pcs		
	63mmØ IMC Coupling	pc	4	pcs		
	10mmØ x 250mm Oval eye bolt w/ locknut	pair	1	pair		
	20mmØ x 3000mm Grounding Rod with Ground Clamp	set	1	set		
	200mm x 200mm x 300mm, Pullbox, Ga. 16	set	2	sets		

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	UNIT	QTY	UNIT	UNIT COST	TOTAL COST
	Wires and Cables					
	3.5mm ² THHN Wire	lm	3	rolls		
	8.0mm ² THHN Wire	lm	100	lm		
	22mm ² TW Wire	lm	60	lm		
	22mm ² THHN Wire	lm	25	lm		
	38mm ² THHN Wire	lm	150	lm		
	80mm ² THHN Wire	lm	50	lm		
	125mm ² THW Wire	lm	120	lm		
	Pipe Hangers & Supports					
	Vertical Layout for 1m interval	lm	4	lm		
	Panelboard and Circuit Breaker					
	MDP-Main Distribution Panel Main:1-250AT, 300AF,2P,230V ,65KAIC, 60Hz, MCCB Branches:1-100AT, 150AF,2P,230V ,65KAIC, 60Hz, MCCB 1-200AT, 250AF,2P,230V ,65KAIC, 60Hz, MCCB 1-60AT, 100AF,2P,230V ,65KAIC, 60Hz, MCCB 1-40AT, 100AF,2P,230V ,65KAIC, 60Hz, MCCB Enclosure: Weatherproof Type, NEMA 3R, with Ground Terminals	assy	1	assy		
	DP-BL (For Replacement) Main:1-100AT, 150AF,2P,230V ,65KAIC, 60Hz, MCCB Branches:8-15AT, 100AF,2P,230V ,65KAIC, 60Hz, MCCB 10-30AT, 100AF,2P,230V ,65KAIC, 60Hz, MCCB	assy	1	assy		
	DP-DPWH (For Replacement) Main:1-200AT, 250AF,2P,230V ,65KAIC, 60Hz, MCCB Branches:3-60AT, 100AF,2P,230V ,65KAIC, 60Hz, MCCB	assy	1	assy		
	LP-CC (For Replacement) Main:1-60AT, 100AF,2P,230V ,65KAIC, 60Hz, MCCB Branches:5-20AT, 100AF,2P,230V ,65KAIC, 60Hz, MCCB	assy	1	assy		
	Miscellaneous & Consumables					
	10mmØ Nylon Gray	lm	30	lm		
	All around Sealant	qrt	4	cans		
	Electrical Tape	pc	20	rolls		
	Masking Tape	pc	1	roll		
	No.90 Cadweld powder	pack	1	pack		
	Pulling Lubricant	pc	1	gal		
	Rubber Tape	pc	30	rolls		
	Secondary Rack w/ 2 spool, Heavy Duty	pc	10	pc		
	Welding rod	kg	1	kg		
					Materials Cost V	P
					Labor Cost V	
					Direct Cost V	P

SUMMARY

ITEM NO	WORK DESCRIPTION & SCOPE OF WORKS	TOTAL COST
I	GENERAL REQUIREMENTS	P
II	SITE WORKS	
III	CIVIL WORKS / STRUCTURAL WORKS	
IV	ARCHITECTURAL WORKS	
V	ELECTRICAL WORKS	
	TOTAL DIRECT COST	P
	Overhead, Contingencies and Miscellaneous Expenses (OCM)	
	Profit	
	VAT	
	TOTAL ESTIMATED COST	P

PROJECT TITLE : PROPOSED UPGRADING OF SERVICE ENTRANCE AT DON
QUINTIN PAREDES HIGH SCHOOL

LOCATION : BARANGAY QUIRINO 2-B, DISTRICT 3, QUEZON CITY

PROJECT NO. : 20 - 00129

DURATION : Sixty (60) Calendar Days

BREAKDOWN OF COST

ITEM NO	WORK DESCRIPTION	MATERIALS COST	LABOR COST	INDIRECT COST	AGGREGATE COST
I	GENERAL REQUIREMENTS				
II	SITE WORKS				
III	CIVIL WORKS / STRUCTURAL WORKS				
IV	ARCHITECTURAL WORKS				
V	ELECTRICAL WORKS				

TOTAL COST P

LUMP SUM BID IN WORDS : _____

Contractor : _____