

**PROJECT : UPGRADING OF SERVICE ENTRANCE  
FOR THE ITC BUILDING**

**LOCATION** : ITC Building  
University of the Philippines Manila

**SUBJECT :** **DETAILED ESTIMATE**

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST		TOTAL COST		ESTIMATED DIRECT COST	MARK-UPS		TOTAL MARK-UPS		VAT @ 12% (EDC+MARK- UP	TOTAL INDIRECT COST	TOTAL COST (EDC + TIC)	TOTAL UNIT COST
				Materials	Labor	Materials	Labor		OCM	Profit	%	Value				
1.00	GENERAL REQUIREMENTS															
	Mobilization & Demobilization	1.00	lot													
	Tempfacil/Storage, signages, scaffoldings	1.00	lot													
	Health and Safety ( PPE, Medkit, Medical check-up/testing as required for new normal etc.)	1.00	lot													
	Permit and Licenses	1.00	lot													
	TOTAL GENERAL REQUIREMENTS															
2.00	ELECTRICAL WORKS															
2.01	Facility Electrical Power Generating and Storing Equipment															
	40KVA, 230V-400V with brought-out neutral, 3phase, 60hz, Dry Type Step-up Transformer, Copper Winding in Nema 1	1.00	assy.													
2.02	Wires and Cables (Color Coded)															
	Service Entrance to MCB															
	200 mm² THHN	45.00	mtr(s)													
	50 mm² THHN (G)	18.00	mtr(s)													
	MCB to MDP															
	200 mm² THHN	234.00	mtr(s)													
	50 mm² THHN (G)	78.00	mtr(s)													
	MDP to Load															
	150 mm² THHN (Existing DP-1)	24.00	mtr(s)													
	22 mm² THHN (G) (Existing DP-1)	8.00	mtr(s)													
	60mm² THHN (Existing Load)	24.00	mtr(s)													
	14 mm² THHN (G) (Existing Load)	8.00	mtr(s)													
	38mm² THHN (40Kva Transformer)	21.00	mtr(s)													
	8 mm² THHN (G) (40Kva Transformer)	7.00	mtr(s)													
	22mm² THHN (ECB 80AT)	20.00	mtr(s)													
	5.5 mm² THHN (G) (ECB 80AT)	5.00	mtr(s)													
2.03	Conduit Pipes and Accessories															
	Service Entrance to MCB															
	80mmØ RSC conduit pipe with fittings and complete accessories	5.00	length(s)													
	25mmØ RSC conduit pipe with fittings and complete accessories	1.00	length(s)													
	Liquid tight conduit hub connector	3.00	pcs													
	Weather Head Cap	3.00	pcs													
	1.1m -Big OCTC 5/8" dia. Machine bolt (Galvanized) fully threaded with nuts & washers minimum protrusion 3"	2.00	assy.													
	MCB to MDP															
	5/8" dia. Oval Eyebolt (Galvanized)	2.00	pcs													
	10mm diameter Guy Wire (Galvanized Steel Wire)	5.00	length(s)													
	80mmØ IMC conduit pipe with fittings and complete accessories	27.00	length(s)													
	450mm X 450mm X 150mm Metal Pullbox gauge 16	1.00	assy.													
	MDP to Load															
	65mmØ IMC conduit pipe with fittings and complete accessories (Existing DP-1)	2.00	length(s)													
	40mmØ IMC conduit pipe with fittings and complete accessories (Existing Load)	3.00	length(s)													
	32mmØ IMC conduit pipe with fittings and complete accessories (40Kva Transformer & ECB 80AT)	4.00	length(s)													
2.04	Circuit Breakers and Accessories															
	Panel: MDP in NEMA 1 - Surface Mounted Main: 1-1000AT, 1000AF, 3P, 230V, 65KAIC, MCCB	1.00	assy.													

	Branches: 1-300AT, 400AF, 3P, 230V, 25KAIC, MCCB 1-175AT, 225AF, 3P, 230V, 22KAIC, MCCB 1-125AT, 225AF, 3P, 230V, 18KAIC, MCCB 2-SPACE, 225AF,3P, 230V 2-SPACE, 100AF,3P, 230V															
	Main Circuit Breaker in NEMA 3R - Surface Mounted Main: 1-1000AT, 1000AF, 3P, 230V, 65KAIC, MCCB	1.00	assy.													
	Enclosed Circuit Breaker 175AT, 3P, 230V in NEMA 1 with grounding terminal	1.00	assy.													
	Enclosed Circuit Breaker 80AT, 3P, 400V in NEMA 1 with grounding & neutral terminal	1.00	assy.													
2.05	Miscellaneous Items															
	Hangers and Supports (Steel Rods, Expansion Bolts, Strut-Channels, Conduit Straps, and other necessary items to support installations of distribution frames, wiring boxes, conduit runs and wiring devices)	1.00	lot													
	Excavation Works and coring works	1.00	lot													
	Concrete Pedestal	1.00	lot													
	Hardwares and Consumables(Butane, Cutting Discs, Drill Bits, Electrical Tapes, Mica tubes, and other necessary items to be consumed to assure correct installations of conduit runs and wiring devices)	1.00	lot													
	Ground Rod Copper Clad Steel 20mm dia X 3000 mm long	1.00	set(s)													
	Solderless Connector	1.00	set(s)													
	Chipping and restoration of all affected areas due to project implementation	1.00	lot													
	Dismantling of existing service entrance and other electrical components	1.00	lot													
	Testing and commissioning	1.00	lot													
	TOTAL FOR ELECTRICAL WORKS													Php	-	
													TOTAL MATERIALS AND LABOR COST		PhP	-
													TOTAL PROJECT COST		PhP	-

PROJECT

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LOCATION

:

ITC Building  
University of the Philippines Manila

SUBJECT :

DETAILED ESTIMATE SUMMARY

\*\*\*\*\* S U M M A R Y \*\*\*\*\*

1.00	GENERAL REQUIREMENTS	PhP	-
2.00	ELECTRICAL WORKS		-

TOTAL PROJECT COST

PhP

Prepared by :

Representative/Contractor

Date :