



REPUBLIC OF THE PHILIPPINES  
 Department of Science and Technology  
**Philippine Atmospheric, Geophysical and  
 Astronomical Services Administration (PAGASA)**  
 Science Garden, Agham Road, Diliman, Quezon City 1100

Project: CONSTRUCTION OF POWERHOUSE WITH PERSONNEL QUARTERS  
 Location:

Subject : DETAILED COST BREAKDOWN/BILL OF MATERIALS																			
Item No.	DESCRIPTION	QTY.	UNIT	UNIT COST			AMOUNT			DIRECT COST	MARK-UP				CONTRACT OR TAXES	VAT-COMPONE	INDIRECT COST	TOTAL AMOUNT	UNIT COST
				Materials	Labor	Eqpt.	Materials	Labor	Eqpt.		OVERHEAD	CONT.	MISC.	PROFIT					
<b>VII. ELECTRICAL WORKS</b>																			
<b>(A).</b>																			
<b>I. Panel Board</b>																			
	Panel Board NEMA Enclosure, Gray Coated, Surface Mounted, Gauge 16, Bolt-On, 1 main Circuit Breaker, 2 Pole w/ 8 branches, 6 - 2 pole 1 pc main 60AT, 60AF, 2 pole, 250VAC, 25 KAC, Bolt-On, 4 pcs. 20AT, 60AF, 2pole 1 pc. 30AT, 60AF, 2pole 1 pc. 50AT, 60AF, 2pole	1.00	set																
	60AT, 2P, 230V Circuit Breaker in NEMA 4X enclosure	1.00	set																
<b>II. Wires</b>																			
	14mm <sup>2</sup> THHN Black (Phiflex)	120.00	mtrs.																
	3.5mm <sup>2</sup> THHN Black (Phiflex)	1.00	roll																
	5.5mm <sup>2</sup> THHN Black (Phiflex)	30.00	mtrs.																
	2.0mm <sup>2</sup> THHN Black (Phiflex) @ 150m/roll	2.00	rolls																
	8.0mm <sup>2</sup> THHN Green (Phiflex) @ 150m/roll	60.00	rolls																
	3.5mm <sup>2</sup> THHN Green (Phiflex) @ 150m/roll	15.00	mtrs.																
	2.0mm <sup>2</sup> THHN Green (Phiflex) @ 150m/roll	1.50	rolls																
<b>III. Pipes, Fittings, and Boxes</b>																			
	32mm <sup>Ø</sup> RSC @ 3m/length	2.00	lngh.																
	32mm <sup>Ø</sup> PVC Pipe @ 3m/length	15.00	pcs.																
	32mm <sup>Ø</sup> metallic service entrance cap	1.00	pc.																
	25mm <sup>Ø</sup> PVC Pipe @ 3m/length	8.00	pcs																
	20mm <sup>Ø</sup> PVC Pipe @ 3m/length	4.00	pcs																
	15mm <sup>Ø</sup> PVC Pipe @ 3m/length	80.00	pcs																
	32mm <sup>Ø</sup> PVC adapter, locknut, and bushing	2.00	pcs																
	32mm <sup>Ø</sup> metallic adapter, locknut, and bushing	2.00	pcs																
	25mm <sup>Ø</sup> PVC adapter, locknut, and bushing	2.00	pcs																
	20mm <sup>Ø</sup> PVC adapter, locknut, and bushing	2.00	pcs																
	15mm <sup>Ø</sup> PVC adapter, locknut, and bushing	60.00	pcs																
	2 x 4 PVC Utility box	16.00	pcs																
	Octagonal Box (PVC)	15.00	pcs																
<b>IV. Electrical Devices</b>																			
	Single switch w/ Plate & Cover	4.00	sets																
	Duplex switch w/ Plate & Cover	1.00	sets																
	Duplex convenience outlet w/ Plate & Cover	11.00	sets																
	ACU outlet w/ Plate & Cover	1.00	set																
<b>V. Lighting Fixture</b>																			
	5W LED bulb	8.00	pcs.																
	Receptacle	8.00	pcs.																
	40w fluorescent lamp fixture	5.00	pcs.																
<b>VI. Miscellaneous materials</b>																			
	Electrical tape	15.00	rolls																
	Rubber tape	10.00	rolls																
	Mica Tube, 1/2" dia	5.00	mtrs																
	PVC Solvent Cement	1.00	lits																
	Gi Wire, gauge 16	2.50	kg																
	Tox & Screw(100 pairs)	2.00	box																
	Hacksaw blades	1.00	kg																
	Drill Bits(assorted for Metal & masonry)	1.00	box																
	Hangers, brackets and fasteners	1.00	lot																
										270.00					13.50	283.50	283.50	283.50	