



BID BULLETIN NO. 3

27 December 2021

I. Attention is hereby invited to the Bidders of **Procurement of Ormoc Airport Development Project (Construction of Control Tower Building, Power House, Transformer Yard, Box Culvert and Strip Grade Correction) - Bid No. 21-029-11 Charlie.**

II. Deadline of submission and opening of Bids will be on **05 January 2022 at 10:00AM**

III. Please be informed of the following issues/clarifications:

Issues / Queries	Clarification/s
C. CONSTRUCTION OF CONTROL TOWER Item IX Plumbing Works a. Site Works – The quantity of this Pay item of work in the Bill of Quantities (BOQ) and in the Detailed Breakdown of Component for each item forms are both 462.78 cu.m. However, it is 426.78 cu.m. in the Bill of Quantities and Cost Estimates form.	Revising the quantity for this item of work in the Bill of Quantities and Cost Estimates form from 426.78 cu.m. to 462.78 cu.m. (see Attachment 1) <i>nothing follows</i>
E. CONSTRUCTION OF TRANSFORMER YARD Item IV Steel Works – This Pay item of work is included in the Scope of Work; however, it is not included in the BOQ form.	Revising the Bill of Quantities adding the Item IV Steel Works for the Construction of Transformer Yard scope (see Attachment 2) <i>nothing follows</i>
In Pages 337 through 367 of the Bill of Quantities and Cost Estimates forms, the letters A, B, C, & D representing the summary of Material, Labor, Equipment and Direct Costs are missing. They need to be indicated as they are referred to in the succeeding Indirect Costs computation of the respective Pay item of work.	Revising the Bill of Quantities and Cost Estimates forms for the Item D. Construction of Power House (see Attachments 3-1 to 3-31) <i>nothing follows</i>

IV. Attachments:

1. Revised Section VIII. Bill of Quantities and Cost Estimates – Item IX Plumbing Works
2. Revised Section VIII. Bill of Quantities – Item No. E Construction of Transformer Yard
3. Revised Section VIII. Bill of Quantities and Cost Estimates – Item D. Construction of Power House

For the information and guidance of all concerned.


CAPTAIN DONALDO A. MENDOZA
Chairperson, Bids and Awards Committee – Charlie

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF CONTROL TOWER			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				462.78	cu.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
ITEM IX	Plumbing Works				
IX.a	Site Works (462.78 cu.m.) (requires labor only) Excavation Backfill				
A	Materials	QTY	UNIT	UNIT COST	TOTAL AMOUNT
	Gravel Bedding (Catch Basin, Septic Tanks & Trench Drain) Gravel (3/4")		cu.m.		
	Sand Bedding (Ground Pipe Trenches) Sand		cu.m.		
			Material Cost	.....
B	Labor	MANPOWER	DUR(days)	RATE/DAY	TOTAL RATE
	Master Plumber Skilled Laborer Common Laborer				
			Labor Cost	.....
A	SITEWORKS MATERIAL COST				
B	SITEWORKS LABOR COST				
C	SITEWORKS EQUIPMENT COST				
D	SITEWORKS DIRECT COST				

Attachment 2

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
E.	CONSTRUCTION OF TRANSFORMER YARD				
	Civil/Structural Works				
ITEM I	Site Works	29.50	cu.m.		
	Pesos_____ Amount in Words _____ _____ and _____ _____ centavos				
ITEM II	Concrete Works	8.36	cu.m		
	Pesos_____ Amount in Words _____ _____ and _____ _____ centavos				
ITEM III	Masonry Works	24.48	sqm		
	Pesos_____ Amount in Words _____ _____ and _____ _____ centavos				
ITEM IV	Steel Works	22.60	LM		
	Pesos_____ Amount in Words _____ _____ and _____ _____ centavos				
ITEM V	Waterproofing Works	7.00	sq.m		
	Pesos_____ Amount in Words _____ _____ and _____ _____ centavos				
	Architectural Works				
ITEM VI	Painting Works	132.00	sq.m		
	Pesos_____ Amount in Words _____ _____ and _____ _____ centavos				

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
ITEM	DESCRIPTION	QUANTITY	UNIT	QUANTITY	UNIT
				286.04	cu.m.
				UNIT COST	AMOUNT
D.	CONSTRUCTION OF POWER HOUSE				
	CIVIL/STRUCTURAL WORK				
ITEM I	Site Works (including PCCP replacement) (286.04 cu.m.)				
	Excavation (Foundation) - labor only (143 cu.m.)				
	Excavation (Feeder Line) - labor only (28.80 cu.m.)				
	Backfill (Foundation and Feeder Line) - labor only (101.54 cu.m.)				
A	Materials				
	Gravel, G1		cu.m		
	PCCP Replacement				
	Portland Cement, 40kgs		bags		
	Gravel, 3/4"		cu.m		
	Sand		cu.m		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
C	Equipment	QTY.	DUR. (DAYS)	RATE/DAY	
	Backhoe Crawler, 0.80 cu.m.				
	Plate Compactor, 5hp				
			Equipment Cost	.....
A	Site Works Material Cost				
B	Site Works Labor Cost				
C	Site Works Equipment Cost				
D	Site Works Direct Cost				
INDIRECT COSTS					
1.	OCM (0% - 8% of TDC)		of Estimated Direct Cost		
2.	CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost		
E.	TOTAL OCM & PROFIT		of D		
F.	VALUE ADDED TAX, (VAT)	5.0%	of (D + E)		
G.	TOTAL ESTIMATED INDIRECT COST (F + E), P				
H.	TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit				
	TOTAL ESTIMATED COST (D + G), P				
	TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit				

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				75.63	cu.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
ITEM II	Concrete Works				
A	Materials				
	Portland Cement, 40kgs		bags		
	Sand		cu.m.		
	Gravel, 3/4"		cu.m.		
	16mm dia. DRSB Grade 40, 6meters		pcs		
	12mm dia. DRSB Grade 40, 6meters		pcs		
	10mm dia. DRSB Grade 40, 6meters		pcs		
	#16 GI Tie Wires		kgs		
	Coco Lumber 2' x 3"		bd.ft.		
	Coco Lumber 2' x 2"		bd.ft.		
	Coco Lumber 2' x 4"		bd.ft.		
	1/2' x 4' x 8' Ordinary Plywood		pcs		
	CWN assorted		kgs		
	Polyethylene Sheet (1m x 60m)		roll		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
C	Equipment	QTY.	DUR. (DAYS)	RATE/DAY	
	One-bagger Concrete Mixer				
	Concrete Vibrator				
	Manual Bar Cutter				
			Equipment Cost	.....
A	Concrete Works Material Cost				
B	Concrete Works Labor Cost				
C	Concrete Works Equipment Cost				
D	Concrete Works Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				190.03	sq.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
ITEM III	Masonry Works				
A	Materials				
	150mm thick CHB		pcs.		
	100mm thick CHB		pcs.		
	40kg Portland Cement		bags		
	Sand		cu.m.		
	12mmØ x 6m DRSB Grade 40		pcs.		
	10mmØ x 6m DRSB Grade 40		pcs.		
	#16 GI Tie Wire		kgs.		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Masonry Works Material Cost				
B	Masonry Works Labor Cost				
D	Masonry Works Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				702.78	kgs.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
ITEM IV	Steel Works				
A	Materials				
	7.5m - W8x28		pcs.		
	5 ton Chain Block		sets		
	5 ton Plain Trolley Adjustable		sets		
	Ø16mm Structural Anchor Bolt		pcs		
	10mm x 180mm x 300mm MS Plate		pcs		
	10mm x 180mm x 200mm MS Plate		pcs.		
	10mm x 200mm x 380mm MS Plate		pcs.		
	1.2m x 2.4m x 6mm Checkered Plate		pcs		
	38mm x 38mm x 6mm x 6m Angle Bar		pcs		
	25mm x 25mm x 6mm x 6m Angle Bar		pcs		
	6m - Ø10mm Round Bar		pcs.		
	3m - Ø50mm PVC Pipe		pcs.		
	Welding Rod E6011		box		
	Oxygen & Acetylene		set		
	Rust Converter		gal		
	Epoxy Primer w/ Catalyst		gal		
	Quick Drying Enamel		gal		
	Paint Thinner		gal		
	2' Paint Brush		pcs		
	4" Paint Brush		pcs		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
C	Equipment	QTY.	DUR. (DAYS)	RATE/DAY	
	Welding Machine 200 amp				
	Oxy-Acetylene Cutting Torch/Welding Outfit				
			Equipment Cost	.....
A	Steel Works Material Cost				
B	Steel Works Labor Cost				
C	Steel Works Equipment Cost				
D	Steel Works Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				117.56	sq.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
ITEM V	Waterproofing Works				
A	Materials				
	Portland Cement (40kg/bag)		bags		
	Sand		cu.m.		
	Gravel 1/8"		cu.m.		
	1.2m x 2.4m x 4.5mm - 4" x 4" Wire Mesh		pcs		
	10mmØ x 6m DRSB Grade 40		pcs		
	#16 Tie Wire		kgs		
	1m x 10m x 4mm Waterproof Membrane		rolls		
	LPG Gas (11kg/tank)		tank		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
C	Equipment	QTY.	DUR. (DAYS)	RATE/DAY	
	Torch with regulator and guage				
			Labor Cost	.....
A	Waterproofing Works Material Cost				
B	Waterproofing Works Labor Cost				
C	Waterproofing Works Equipment Cost				
D	Waterproofing Works Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				28.88	sq.m.
ITEM VI	Architectural Works				
VI.a	Tile Works				
A	Materials				
	600mm x 600mm Homogenous Synthetic Granite Floor Tiles (Polished)		pcs		
	300mm x 300mm Homogenous Synthetic Granite Floor Tiles (Matte)		pcs		
	300mm x 300mm Homogenous Synthetic Granite Wall Tiles (Polished)		pcs		
	Cutting Disk (4")		pcs		
	40kg Portland Cement		bags		
	Sand		cu.m.		
	Tile Grout (2kg/bag)		bags		
	Tile Adhesive (25kg/bag)		bags		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Tile Works Material Cost				
B	Tile Works Labor Cost				
D	Tile Works Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)			of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)			of Estimated Direct Cost		
E. TOTAL OCM & PROFIT			of D		
F. VALUE ADDED TAX, (VAT)			5.0% of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				295.11	sq.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VI.b	Painting Works				
A	Materials				
	Concrete Putty		gals		
	Semi Gloss Latex Paint		gals		
	Elastomeric Sealer		gals.		
	Elastomeric Paint		gals.		
	Paint Thinner		gals.		
	Flat Latex Paint		gals		
	9" Paint Roller with Pan		pc		
	4" Paint Brush		pcs		
	Rugs		kgs.		
	Abrasive Sand Paper #100 for masonry		pcs		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Painting Works Material Cost				
B	Painting Works Labor Cost				
D	Painting Works Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				12.00	sq.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VI.c	Ceiling Works				
A	Materials				
	12mm thk x 0.60m x 0.60m PVC Laminated Board		pcs		
	Main Runner - 3600mm x 24mm x 38mm		pcs		
	Cross Tee 1200mm x 24mm x 25mm		pcs		
	4.5mm thk x 1.2m x 2.4m Ficem Board		pcs		
	Metal Furring, 50mm x 19mm x 0.6mm x 5m		pcs		
	Carrying Channel, 38mm x 12mm x 5m x 0.6mm thk.		pcs		
	Suspension Rod 5mm x 3600mm		pcs		
	Suspension G.I. Clip		pcs		
	Rod Joiner		pcs		
	Screw		pcs		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Ceiling Works Material Cost				
B	Ceiling Works Labor Cost				
D	Ceiling Works Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0% of (D + E)			
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				13.00	sets
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VI.d	Doors and Windows				
A	Materials				
	Doors (7 sets)				
	D-1 0.9m x 2.10m, Double Swing Aluminum Framed door in patch fittings with 8mm thk. tempered glass panels and powder coated aluminum frame with complete accessories	1.00	set		
	D-2 0.80m x 2.10m, Double Swing Aluminum Framed door in patch fittings with 8mm thk. tempered glass panels and powder coated aluminum frame with complete accessories	1.00	set		
	D-3 0.9m x 2.10m, single swing steel louver door in spray applied epoxy paint finish with complete accessories	1.00	set		
	D-4 0.80m x 2.10m, single swing wooden panel door with 5mm Grooves in spray applied QDE paint with complete accessories	1.00	set		
	D-5 0.60m x 2.10m , single swing wooden flush door with 6mm thk marine plywood hollow core in spray applied QDE paint with Complete Accessories	1.00	set		
	D-6 3.60m x 3.78m , G.A. # 18 G.I. sheet manual operated roll-up door with peep hole in spray applied epoxy paint and with complete accessories	2.00	sets		
	Windows (6 sets)				
	W-1 2.00m x 1.25m, 6mm thk tempered clear glass casement window on powder coated aluminum frame with complete accessories	1.00	sets		
	W-2 1200mm x 1000mm 1/4"thk Clear Glass Sliding Window on Analok window frame (with complete window hardware and accessories)	1.00	sets		
	W-3 2.00m x 0.40m, 6mm thk tempered clear glass fixed window on powder coated aluminum frame with complete accessories	2.00	set		
	W-4 1.00m x 0.40m, 6mm thk tempered clear glass awning window on powder coated aluminum frame with complete accessories	1.00	sets		
	W-5 0.50m x 0.4m, 6mm thk tempered clear glass awning window on powder coated aluminum frame with complete accessories	1.00	set		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Doors and Windows Material Cost				
B	Doors and Windows Labor Cost				
D	Doors and Windows Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				153.00	In.m.
ITEM VII	Electrical Works				
VII.a	Lighting and Power Conduits and Fittings				
A	Materials				
	20mm diameter x 3m uPVC Electrical Pipe, UL Listed		pcs		
	20mm diameter x 1m Flexible Conduit		pcs		
	15mm diameter Flexible Metal Conduit (1/2") x 1m		pcs		
	20mm diameter PVC Elbow		pcs		
	20mm diameter PVC Coupling		pcs		
	20mm diameter PVC Male Adapter w/ locknut		pcs		
	G.I. Tie Wire Ga. 16		kgs		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Electrician				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Lighting and Power Conduits and Fittings Material Cost				
B	Lighting and Power Conduits and Fittings Labor Cost				
D	Lighting and Power Conduits and Fittings Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)			of Estimated Direct Cost		
2. CONTRACTOR's PROFIT (0% - 8% of TDC)			of Estimated Direct Cost		
E. TOTAL OCM & PROFIT			of D		
F. VALUE ADDED TAX, (VAT)			5.0%	of (D + E)	
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				17.00	sets
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VII.b	Electrical Wiring Devices				
A	Materials				
	Simplex Universal Convenience Outlet with Ground, 16A, 250V	2.00	sets		
	Duplex Universal Convenience Outlet with Ground, 16A, 250V with mounting and device plate cover	9.00	sets		
	One-Gang Switch, 16A, 250V, wide series with mounting strap and device plate cover	3.00	sets		
	Two-Gang Switch, 16A, 250V, wide series with mounting strap and device plate cover	1.00	sets		
	Three-Gang Switch, 16A, 250V, wide series with mounting strap and device plate cover	2.00	set		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Skilled Laborer		Labor Cost	.....
A	Electrical Wiring Devices Material Cost				
B	Electrical Wiring Devices Labor Cost				
D	Electrical Wiring Devices Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				28.00	sets
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VII.c	Lighting Fixtures				
A	Materials				
	1200 mm Industrial Type lighting fixture with powder coated white finish steel housing, aluminum reflector and 1x18W (T-8) LED Tube, 50,000 life hour, 2070 lumens, 198-277V, 60Hz. (Complete with Hanger, Support and Accessories)	8.00	sets		
	150mm diameter x 250mm Surface mounted vertical round down light fixture with glass diffuser and 1x12W LED bulb, 15 000 life hour, 1300 lumens, 110-240V, 60Hz.	10.00	sets		
	600mm x 600mm Recessed mounted louver type lighting fixture, with mirrorized aluminum reflector with 2 x 9W (T-8) LED tube, 30 000 life hour, 850 lumens, 100V-277V, 60Hz	4.00	sets		
	150mm diameter recessed type vertical lamp downlight fixture, powder coated	4.00	sets		
	white finish steel housing, matte aluminum reflector and full frosted glass cover with with 1x11W, 1100-Lumen warm white LED bulb	2.00	sets		
	Heavy Duty Emergency Lamp Dual Optics, 2x3Watts LED Bulb		Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Electrician				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Lighting Fixtures Material Cost				
B	Lighting Fixtures Labor Cost				
D	Lighting Fixtures Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				48.00	pcs.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VII.d	Boxes				
A	Materials				
	Octagonal Junction Box with cover, Deep Type		pcs		
	4"x2" Utility Box, Deep Type		pcs		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Boxes Material Cost				
B	Boxes Labor Cost				
D	Boxes Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				12.00	In.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VII.e	Air conditioning Unit Power Supply Conduit and Fittings				
A	Materials				
	20mm diameter × 3m uPVC Electrical Pipe, UL Listed		pcs		
	20mm diameter PVC Elbow		pcs		
	20mm diameter PVC Coupling		pcs		
	20mm diameter PVC Male Adapter w /nut		pcs		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Air conditioning Unit Power Supply Conduit and Fittings Material Cost				
B	Air conditioning Unit Power Supply Conduit and Fittings Labor Cost				
D	Air conditioning Unit Power Supply Conduit and Fittings Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				4.00	rolls
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VII.f	Lighting and Power Wires & Cables				
A	Materials				
	3.5 mm² THHN/THWN-2, 600V 90°C X 150m		rolls		
	Copper Wire (UL Listed)		rolls		
	Electrical Tape		Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Electrician				
	Skilled Laborer				
	Common Laborer		Labor Cost	.....
A	Lighting and Power Wires & Cables Material Cost				
B	Lighting and Power Wires & Cables Labor Cost				
D	Lighting and Power Wires & Cables Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				70.00	In.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VII.g	Grounding System				
A	Materials				
	100 mm² Bare Copper Wire		In.m.		
	Grounding Rod Copper Clad steel with connector		pcs		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Electrician				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Grounding System Material Cost				
B	Grounding System Labor Cost				
D	Grounding System Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				3.00	assy
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VII.h	Panelboard/Circuit Breaker				
A	Materials				
	Lighting and Power Panelboard 3Ø, 4W, 400V, 60HZ, WITH GROUND Main: 40AT, 100AF, 3-Pole, 400V, Bolt-on, 10KAIC Branches: 6-20AT, 2-Pole, 240V, Bolt-on, 10KAIC Enclosure: NEMA-1 Materials: G.I.#16 Finished: Powder Coated Gray Finish Panel Features: Pushlock, Grounding Lugs, Neutral Lugs Bolted Dead Front, Directory Holder	1.00	assy		
	Main Distribution Panelboard Power House 3Ø, 4W, 400V, 60HZ, WITH GROUND Main: 500AT, 630AF, 3-Pole, 400V, Bolt-on, MCCB Branches: 1-300AT, 400AF, 3-Pole, 400V, Bolt-on, MCCB 1-160AT, 250AF, 3-Pole, 400V, Bolt-on, MCCB 1-40AT, 100AF, 3-Pole, 400V, Bolt-on, MCCB 1 slot (Space) Enclosure: NEMA-1 Materials: G.I.#16 Finished: Powder Coated Gray Finish Panel Features: Pushlock, Grounding Lugs, Neutral Lugs, Mechanical lugs Bolted Dead Front, Directory Holder	1.00	assy		
	Automatic Transfer Switch 3Ø, 4W, 400V, 60 Hz with ground bus & neutral busbar Main: 2x500AT, 3P, 400V, MCCB Equipped with a electrically operated, completely wired and tested Transfer Switch System and other standard accessories	1.00	assy		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Electrician				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Panelboard/Circuit Breaker Material Cost				
B	Panelboard/Circuit Breaker Labor Cost				
D	Panelboard/Circuit Breaker Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				1,864.00	In.m.
Vili	Feeder/Sub Feeder Conductor	1,864.00	LM		
A	Materials				
	LPP to MDPPH (24 l.m.)				
	5.5 mm² THHN/THWN-2 600V 90°C Copper Wire (UL Listed)		lm		
	8.0 mm² THHN/THWN-2 600V 90°C Copper Wire (UL Listed)		lm		
	MDPPH to ATS (60 l.m.)				
	50 mm² THHN/THWN-2 600V 90°C Copper Wire (UL Listed)		lm		
	150 mm² THHN/THWN-2 600V 90°C Copper Wire (UL Listed)		lm		
	ATS to GENERATOR 1 (80 l.m.)				
	50 mm² THHN/THWN-2 600V 90°C Copper Wire (UL Listed)		lm		
	150 mm² THHN/THWN-2 600V 90°C Copper Wire (UL Listed)		lm		
	ATS to ELEVATED TRANSFORMER PAD (1700 l.m.)				
	50 mm² THHN/THWN-2 600V 90°C Copper Wire (UL Listed)		lm		
	150 mm² THHN/THWN-2 600V 90°C Copper Wire (UL Listed)		lm		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Electrician				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Feeder/Sub Feeder Conductor Material Cost				
B	Feeder/Sub Feeder Conductor Labor Cost				
D	Feeder/Sub Feeder Conductor Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				384.00	ln.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VII.j	Feeder/Sub Feeder Conductor Conduit and Fittings				
A	Materials				
	LPP to MDPPH (3 l.m.)				
	20mm diameter x 3m Electrical Metallic Tubing UL Listed		pc		
	20mm diameter EMT Connector with Locknut and Bushing		pcs		
	MDPPH to ATS (6 l.m.)				
	80mm diameter x 3m IMC UL Listed		pcs		
	80mm diameter x 3m IMC Locknut and Bushing		pairs		
	ATS to GENERATOR 1 (6 l.m.)				
	80mm diameter x 3m IMC UL Listed		pcs		
	80mm diameter IMC Locknut and Bushing		pairs		
	ATS to ELEVATED TRANSFORMER PAD (369 l.m.)				
	110mm diameter x 3m PVC		pcs		
	110mm diameter Endbell		pcs		
	100mm diameter x 3m IMC		pcs		
	100mm diameter IMC Locknut and Bushing		pairs		
	100mm diameter Entrance cap		pcs		
	Electrical Warning tape 3" x 1000ft		rolls		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Electrician				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Feeder/Sub Feeder Conductor Conduit and Fittings Material Cost				
B	Feeder/Sub Feeder Conductor Conduit and Fittings Labor Cost				
D	Feeder/Sub Feeder Conductor Conduit and Fittings Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantifies and Cost Estimates			
				QUANTITY	UNIT
				1.00	lot
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VII.k	Power Supply				
A	Materials				
	Bolt, Double Arming, 5/8"x18" with washer		pcs		
	Clamp, Loop Deadend, # 6 to #2/0 ACSR		pcs		
	Clamp, Deadend Strain, #2/0 ACSR		pcs		
	Conductor, Bare, ACSR#2/0, AWG6/1		meters		
	Conductor, Insulated, ACSR#2, AWG6/1		meters		
	Conductor, Insulated, ACSR#2, AWG6/1		meters		
	Connector, Compression, #2-#4/0 ACSR Run To #6-#2		pcs		
	Connector, Compression, #2/0-#4/0 ACSR Run To #2/0-#4/0		pcs		
	Connector, Solderless		pcs		
	Connector, Ground Rod (Clamp) For 5/8" Steel Rod		pcs		
	Connector Split Bolt		pcs		
	Cutout and Arrester Combination		sets		
	Insulator, Suspension, 6", Clevis Type		pcs		
	Link, Fuse, Universal, BottomHead, Type K, 15 Amperes		pcs		
	Crossarm, Steel		pcs		
	G.E. kV2c, Form 48 A complete with accessories	2.00	pcs		
	Current Transformer	3.00	units		
	Potential Transformer	3.00	units		
	100 kVA, 1phase, 13.2kV-400/230V, 60 Hz, Distribution Transformer with complete accessories	3.00	assys		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Electrician				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Power Supply Material Cost				
B	Power Supply Labor Cost				
D	Power Supply Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				1.00	set
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VIII	Emergency Power Supply				
A	Materials Supply and Installation of 300 KVA Brand New Diesel Engine Standby Generator Set, Open-type, 400V, three-phase, 1800RPM, 60Hz, 0.8 Power Factor, with Digital Control Panel, Fuel Base Tank, Industrial Genset Battery, Battery Trickle Charger, Industrial-type Exhaust Silencer/Muffler, Radiator Air Duct and Extension Muffler, complete with standard accessories. Engine : 6 Cylinder, In-line, 4-stroke cycle, direct injection, turbocharged, after cooled, electronic actuator type governor, water radiator cooling system and electric starting. Alternator : Brushless, self-exciting, self-regulating, single lifetime bearing, Insulation Class H, IP23 Protection with built-in Automatic Voltage Regulator. Control Panel : Digital with display of all parameters. Equipped with sensors for Automatic Shut-Off of engine low oil pressure, high coolant temperature, overcrank, over/under speed, and over/under frequency. Also equipped with Emergency Push Button Shut-off Switch. Instrumentation : LCD Display adjustable contrast and backlight with auto power off. AC/DC Metering Capable of monitoring Voltage, Phase, Amperes, Frequency, Battery Voltage, Engine Hours run, Engine Water Temperature, Pressure, and Speed.	1.00	set		
			Material Cost	.....
B	Labor Master Electrician Skilled Laborer Common Laborer	QTY.	DUR. (DAYS)	RATE/DAY	
			Labor Cost	.....
A Emergency Power Supply Material Cost					
B Emergency Power Supply Labor Cost					
D Emergency Power Supply Direct Cost					
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				1.00	set
VIII	Mechanical Works				
VIII.a	Air Conditioning Unit and Piping System				
A	Materials				
	Inverter Wall Mounted Split type Air-Conditioning Unit - 1.0 HP with complete accessories (FCU, ACCU, remote control and circuit breaker in NEMA-3R Enclosure and other standard fittings)	1.00	set		
	Power Supply: 220-230 V, 1Ø, 60 Hz				
	Refrigerant Type: R-32				
	Copper Tube Soft Drawn 3/8" OD, 0.028 thickness x 15m		pc		
	Copper Tube Soft Drawn 1/4" OD, 0.028 thickness x 15m		pc		
	Rubber Insulation 3/8" I.D. 3/4" thickness x 1.8m		pcs		
	Rubber Insulation 1/4" I.D. 1/2" thickness x 1.8m		pcs		
	Polyethylene tape		pcs		
	25mm diameter PVC Pipe x 3m (drain pipe)		pcs		
	25mm diameter PVC Elbow		pcs		
			Material Cost	.....
B	Labor				
	Construction Foreman	QTY.	DUR. (DAYS)	RATE/DAY	
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Air Conditioning Unit and Piping System Material Cost				
B	Air Conditioning Unit and Piping System Labor Cost				
D	Air Conditioning Unit and Piping System Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				2.00	sets
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VIII.b	Ventilation Equipment and Accessories				
A	Materials				
	12"× 12" White Ceiling type Exhaust Fan w/ Complete Standard accessories (Hangers & Supports and other Standard Fittings)	1.00	set		
	20" Industrial type Wall mounted Exhaust Fan, single phase, 240V, 60hz with thermal fuse, industrial grade steel blade, front grill and casing	1.00	set		
	Stainless steel vent cap with net (110mm applicable pipe)		pc		
	110mm diameter PVC x 3m pipe		pc		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
			Labor Cost	.....
A	Ventilation Equipment and Accessories Material Cost				
B	Ventilation Equipment and Accessories Labor Cost				
D	Ventilation Equipment and Accessories Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				2.00	sets
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
VIII.c	Hangers and Supports , Fire Extinguisher				
A	Materials				
	50 x 50 x 6mm thk. Angle bar, 6m.		pc		
	Welding Rod E6011		box		
	Portable Fire Extinguisher	2.00	sets		
	ABC Dry Chemical Portable Fire Extinguisher includes wall hanger and complete accessories, 4.5 kgs (10 lbs) capacity				
			Material Cost	.....
B	Labor	No.	Duration	Rate/Day	
	Construction Foreman				
	Skilled Laborer				
		Labor Cost			
A	Hangers and Supports , Fire Extinguisher Material Cost				
B	Hangers and Supports , Fire Extinguisher Labor Cost				
D	Hangers and Supports , Fire Extinguisher Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				10.00	sets
ITEM IX	Plumbing Works				
IX.a	Fixtures				
A	Materials				
	Lavatory - vitreous china class "AA", wall-hung, white, w/ faucet, including accessories	1.00	set		
	Water closet - vitreous china class "AA", big, white, elongated, siphon jet, w/ cover, including accessories	1.00	set		
	Tissue holder - stainless, surface-mounted	1.00	pc.		
	Floor drain, 100mm x 100mm, stainless	2.00	pcs		
	Bidet hose - stainless	1.00	pc		
	Bath & Shower	1.00	pc		
	Soap Dispenser	1.00	pc		
	Hose Bib	1.00	pc		
	Shower Head	1.00	pc		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Plumber				
	Skilled Laborer				
			Labor Cost	.....
A	Fixtures Material Cost				
B	Fixtures Labor Cost				
D	Fixtures Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				9.00	In.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
IX.b	Waste Water Line				
A	Materials				
	4"Ø PVC Pipe (Series 1000), 3 meters		pcs.		
	4"Ø PVC Wye		pcs.		
	4"Ø x 4"Ø PVC 45deg. Elbow		pcs.		
	4" P-trap		pcs.		
	4" Clean Out		pc.		
	Solvent Cement (400cc/can)		pcs.		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Plumber				
	Skilled Laborer				
			Labor Cost	.....
A	Waste Water Line Material Cost				
B	Waste Water Line Labor Cost				
D	Waste Water Line Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				20.00	In.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
IX.c	Cold Water Line				
A	Materials				
	1"Ø PPR Pipe (PN 10), 4 meters		pcs.		
	1/2"Ø PPR Pipe (PN 10), 4 meters		pc.		
	1/2"Ø PPR 90deg. Elbow		pcs.		
	1/2"Ø x 1/2"Ø x 1/2"Ø PPR Tee		pc.		
	1/2"Ø PPR End Cap		pcs.		
	Teflon Tape		rolls		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Plumber				
	Skilled Laborer				
			Labor Cost	.....
A	Cold Water Line Material Cost				
B	Cold Water Line Labor Cost				
D	Cold Water Line Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				81.00	In.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
IX.d	Storm Drainage Pipe				
A	Materials				
	4"Ø x 3m PVC Pipe		pcs.		
	4" - 90° PVC Elbow		pcs.		
	4" Stainless Roof Drain		pcs.		
	Solvent Cement (400cc)		can		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Plumber				
	Skilled Laborer				
			Labor Cost	.....
A	Storm Drainage Material Cost				
B	Storm Drainage Labor Cost				
D	Storm Drainage Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				9.00	sets
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
IX.e	Catch Basin				
A	Materials				
	Portland Cement (40kg/bag)		bags		
	Sand		cu.m.		
	Gravel 3/4"		cu.m.		
	100mm thick CHB		pcs		
	10mmØ x 6m DRSB Grade 40		pcs		
	#16 GI Tie Wire		kgs		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Plumber				
	Skilled Laborer				
			Labor Cost	.....
A	Catch Basin Material Cost				
B	Catch Basin Labor Cost				
D	Catch Basin Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				5.52	sq.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
IX.f	Septic Tank				
A	Materials				
	Portland Cement (40kg/bag)		bags		
	Sand		cu.m.		
	Gravel 3/4"		cu.m.		
	Gravel G1		cu.m.		
	12mmØ x 6m DRSB Grade 40		pcs		
	#16 GI Tie Wire		kgs		
	150mm thick CHB		pcs		
	4"Ø x 3m PVC Pipe		pc		
	4"Ø PVC Pipe Clean-out		pcs		
	4"Ø PVC Pipe Tee		pcs		
			Material Cost	.....
B	Labor	QTY.	DUR. (DAYS)	RATE/DAY	
	Master Plumber				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
A	Septic Tank Material Cost				
B	Septic Tank Labor Cost				
D	Septic Tank Direct Cost				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

NAME OF PROJECT :		ORMOC AIRPORT DEVELOPMENT PROJECT			
PROJECT DESCRIPTION :		CONSTRUCTION OF POWER HOUSE			
LOCATION :		Brgy. Airport, Ormoc City, Leyte			
SUBJECT :		Bill of Quantities and Cost Estimates			
				QUANTITY	UNIT
				60.00	m
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
IX.g	Relocation/Re-piping of Existing Deep Well				
A	Materials				
	4"Ø x 6m GI Pipe		pcs.		
	4"Ø GI Coupling		pcs.		
	4"Ø GI Elbow		pc.		
			Material Cost	8	
B	Labor	MANPOWER	DUR(days)	RATE/DAY	TOTAL RATE
	Master Plumber				
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost	.....
C	Equipment	MANPOWER	DUR(days)	RATE/DAY	TOTAL RATE
	Rotary Drilling Machine (600-2000mm Capacity)				
			Equipment Cost	.....
A	SITEWORKS MATERIAL COST				
B	SITEWORKS LABOR COST				
C	SITEWORKS EQUIPMENT COST				
D	SITEWORKS DIRECT COST				
INDIRECT COSTS					
1. OCM (0% - 8% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST (F + E), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					