



Republic of the Philippines  
**Tourism Infrastructure & Enterprise Zone Authority**

**MANPOWER & EQUIPMENT**

Project : **TOURIST REST AREA**  
Location: Brooke's Point, Palawan  
Duration: 150 CD


Minimum Required Manpower	Quantity
a. Project Manager	1
b. Project Engineer	1
c. Materials Engineer	1
d. Project Foreman	1
e. Skilled Worker	9
f. Helper/Laborer	19
g. Safety Officer	1

Minimum Required Equipment	Quantity
a. Basic Construction Tools	1
b. Concrete Mixer	1
c. Concrete Vibrator	1
d. Plate Compactor	1
e. Welding Machine	1
f. Cutting Outfit	1
g. Bar Cutter	1

Prepared by:

  
**ENGR. NIKKO S. QUITANEG**  
Estimator

Checked by:

  
**ENGR. NOEL F. YAMBAO**  
Officer-In-Charge, PMD

Noted:

  
**ENGR. JEFFREY L. MACALALAD**  
Manager, PEPD

## BILL OF QUANTITIES

Project : TOURIST REST AREA  
 Location : Brooke's Point, Palawan

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT COST	AMOUNT
<b>A.</b>	<b>GENERAL REQUIREMENTS</b>				
a.1	Temporary Barracks	lot	1.00		
a.2	Health and Safety	lot	1.00		
a.3	Project Signboard	set	1.00		
<b>B.</b>	<b>EARTHWORKS</b>				
b.1	Structure Excavation (Common Soil Manual)	m <sup>3</sup>	79.40		
b.2	Embankment (from Structure Excavation, Manual)	m <sup>3</sup>	59.30		
b.3	Gravel Fill	m <sup>3</sup>	14.90		
<b>C.</b>	<b>CONCRETE WORKS</b>				
c.1	Structural Concrete For Footing and Slab on Fill (Class A, 28 Days)	m <sup>3</sup>	72.06		
c.2	Structural Concrete, Column and Suspended Slab, Girder/Beam (Class A, 28 Days)	m <sup>3</sup>	19.80		
c.3	Reinforcing Steel for One-Storey, Grade 40	kg	6,228.35		
c.4	Formworks and Falseworks (for one-storey building)	m <sup>3</sup>	126.90		
<b>D.</b>	<b>ROOFING WORKS</b>				
d.1	Long Span Pre-painted Twin Rib Roofing	m <sup>2</sup>	228.86		
d.2	Fabricated Metal Roofing Accessory (Gutters)	lm	24.81		
d.3	Fabricated Metal Roofing Accessory (Flashing)	lm	58.40		
d.4	Steel Roof Trusses (Fabricated)	kg	3,014.80		
d.5	Galvanized Steel C-Purlins	kg	1,854.87		
d.6	Metal Structure Accessories (anchor bolt)	pc	88.00		
d.7	Metal Structure Accessories (turn buckle)	pc	16.00		
d.8	Metal Structure Accessories (Crossbracing)	kg	112.51		
d.9	Metal Structure Accessories (Steel Plate)	kg	812.50		
<b>E.</b>	<b>MASONRY WORKS</b>				
e.1	CHB # 4 (Non-Load Bearing including Reinforcing Steel 100mm)	m <sup>2</sup>	73.80		
e.2	CHB # 6 (Non-Load Bearing including Reinforcing Steel 150mm)	m <sup>2</sup>	195.28		
e.3	Cement Plaster Finish	m <sup>2</sup>	538.16		
<b>F.</b>	<b>DOORS AND WINDOWS</b>				
f.1	Doors (Wood Panel)	ls	1.00		
f.2	Jalousie Windows (Glass)	ls	1.00		
f.3	Wood Glass Windows (Fixed Type)	ls	1.00		
f.4	Wood Awning Type Window	ls	1.00		
<b>G.</b>	<b>FINISHING WORKS</b>				
g.1	60cm x 60cm Porcelain Wall Tiles (Unglazed)	m <sup>2</sup>	147.04		
g.2	60cm x 60cm Porcelain Floor Tiles (Unglazed)	m <sup>2</sup>	67.17		
g.3	Porcelain Tiles, 60cm x 60cm (Unglazed)	m <sup>2</sup>	51.91		
g.4	Porcelain Tiles 20cm x 100cm (Glazed)	m <sup>2</sup>	25.09		
g.5	Porcelain Tiles 20cm x 120cm (Glazed)	m <sup>2</sup>	14.38		



	g.6 Aluminum Composite Panel	lot	1.00		
	g.7 Ceiling (6mm Moisture Resistant Fiber Cement Board on G.I. Furring Channels)	m <sup>2</sup>	49.76		
	g.8 Ceiling (6mm Gypsum Board on G.I. Furring Channels)	m <sup>2</sup>	7.04		
	g.9 Ceiling (6" PVC Pre-Painted Spandrel Ceiling)	m <sup>2</sup>	91.10		
	g.10 Ceiling (50mm x 60mm x 3000mm Baffle Ceiling)	m <sup>2</sup>	50.34		
	g.11 Pre-fabricated Items	lot	1.00		
	g.12 Furniture	lot	1.00		
	g.13 Galvanized Tubular Steel	ls	1.00		
	g.14 Galvanized Tubular Steel Railing	ls	1.00		
	g.15 Stainless Steel Railing	ls	1.00		
	g.16 Steelworks (Lavatory)	ls	1.00		
	g.17 Finishing Works (Lavatory)	ls	1.00		
	g.18 Information Counter Backwall Finish	lot	1.00		
	g.19 Phenolic and Modesty Board	ls	1.00		
	g.20 Signages	ls	1.00		
<b>H.</b>	<b>PAINTING WORKS</b>				
	h.1 Painting Works (Metal)	m <sup>2</sup>	6.94		
	h.2 Painting Works (Masonry/Concrete)	m <sup>2</sup>	364.78		
	h.3 Painting Works (Wood Frame)	m <sup>2</sup>	41.79		
	h.4 Stucco Concrete Smooth Finish	m <sup>2</sup>	76.73		
<b>I.</b>	<b>PLUMBING WORKS</b>				
	i.1 Sanitary Fixtures and Accessories	ls	1.00		
	i.2 Waterline Works	ls	1.00		
	i.3 Vent Line	ls	1.00		
	i.4 Sanitary Line	ls	1.00		
	i.5 Septic Vault (Concrete)	ls	1.00		
	i.6 Rainwater Harvesting (Plumbing Works)	ls	1.00		
	i.7 Pipes and Fittings (Plumbing Works)	ls	1.00		
<b>J.</b>	<b>ELECTRICAL WORKS</b>				
	j.1 Panelboard w/ Main & Branch Breakers (Electrical Works)	ls	1.00		
	j.2 Wires & Wiring Devices (Electrical Works)	ls	1.00		
	j.3 Conduit, Boxes and Fittings (Electrical Works)	ls	1.00		
	j.4 Lighting Fixtures & Lamps (Electrical Works)	ls	1.00		
	j.5 Solar Power System	ls	1.00		
<b>K.</b>	<b>MECHANICAL WORKS</b>				
	k.1 Air Conditioning Units (Mechanical Works)	ls	1.00		
<b>L.</b>	<b>SITE DEVELOPMENT</b>				
	l.1 Grave Fill	m <sup>3</sup>	4.77		
	l.2 Lean Concrete (Ready Mix, Class B, 28 days, 2500 psi)	m <sup>3</sup>	0.74		
	l.3 Grass Pavers	ls	1.00		
<b>GRAND TOTAL</b>					
			In Words: Pesos		
			In Figures: Php		

Submitted By

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Name of the Representative of the Bidder

\_\_\_\_\_  
Name of the Bidder

\_\_\_\_\_  
Position