

HD ENGINEERS+BUILDERS

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GENERAL CONSTRUCTION ✦ ENGINEERING CONSULTANCY

Project: PROPOSED THREE STORY FEMALE DORMITORY
Location: SLSU-MAIN, SOGOD CAMPUS, SOGOD, SOUTHERN LEYTE
Owner: SOUTHERN LEYTE STATE UNIVERSITY

ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
1.00	GENERAL REQUIREMENTS				
	Mobilization/Demobilization and Site Clearing		lot		
	Temporary Facilities/Water/Electric		lot		
	Removal of existing Structure		lot		
	Line and Grade		lot		
	SUB-TOTAL				
2.00	EARTH WORKS				
	Excavation		cu.m.		
	Backfilling/filling materials		cu.m.		
	SUB-TOTAL				
3.00	CONCRETE WORKS				
3.1	<i>Footing 89.30cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	20 mmØ Steel Bars Structural Grade 40		pcs.		
	16 mmØ Steel Bars Structural Grade 40		pcs.		
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	#16 Tie Wire		kgs		
3.2	<i>Column 45.10cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	20 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
3.3	<i>Column L1 to L2 23.80 cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	20 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
3.4	<i>Tie Beam 20.60 cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	20 mmØ Steel Bars Structural Grade 40		pcs.		
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
3.5	<i>Beam L2 29.50 cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	20 mmØ Steel Bars Structural Grade 40		pcs.		
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
3.6	<i>Beam L3 40.00 cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	20 mmØ Steel Bars Structural Grade 40		pcs.		

ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
3.7	<i>Slab - L1 75.00 cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
3.8	<i>Slab - L2 76.50 cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
3.9	<i>Slab - L3 76.50cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
3.10	<i>Lintel Beam 9.90cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
3.11	<i>Stair 10.80cu.m.</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	16 mmØ Steel Bars Structural Grade 40		pcs.		
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	#16 Tie Wire		kgs		
	SUB-TOTAL				
4.00	FORM WORKS/ SCAFFOLDINGS				
4.1	<i>Column - L1</i>				
	1/4" x4'x8' Ordinary Plywood		sheets		
	2"x3"x12' Coco Lumber		pcs.		
	2"x2'x12' Coco Lumber		pcs.		
	Common wire nails # 1 ½		kg.		
	Common wire nails # 2 ½		kg.		
	Common wire nails # 4		kg.		
4.2	<i>Column - L2</i>				
	1/4" x4'x8' Ordinary Plywood		sheets		
	2"x3"x12' Coco Lumber		pcs.		
	2"x2'x12' Coco Lumber		pcs.		
	Common wire nails # 1 ½		kg.		
	Common wire nails # 2 ½		kg.		
	Common wire nails # 4		kg.		
4.3	<i>Beam L2</i>				
	1/4" x4'x8' Ordinary Plywood		sheets		
	2"x3"x12' Coco Lumber		pcs.		
	2"x2'x12' Coco Lumber		pcs.		
	Common wire nails # 1 ½		kg.		
	Common wire nails # 2 ½		kg.		
	Common wire nails # 4		kg.		
4.4	<i>Beam L3</i>				
	1/4" x4'x8' Ordinary Plywood		sheets		
	2"x3"x12' Coco Lumber		pcs.		
	2"x2'x12' Coco Lumber		pcs.		

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	Common wire nails # 1 ½		kg.		
	Common wire nails # 2 ½		kg.		
	Common wire nails # 4		kg.		
4.5	<i>Slab - L2</i>				
	1/4" x4'x8' Ordinary Plywood		sheets		
	2"x3"x12' Coco Lumber		pcs.		
	2"x2'x12' Coco Lumber		pcs.		
	Common wire nails # 1 ½		kg.		
	Common wire nails # 2 ½		kg.		
	Common wire nails # 4		kg.		
4.6	<i>Slab - L3</i>				
	1/4" x4'x8' Ordinary Plywood		sheets		
	2"x3"x12' Coco Lumber		pcs.		
	2"x2'x12' Coco Lumber		pcs.		
	Common wire nails # 1 ½		kg.		
	Common wire nails # 2 ½		kg.		
	Common wire nails # 4		kg.		
4.7	<i>Lintel Beam and Canopy</i>				
	1/4" x4'x8' Ordinary Plywood		sheets		
	2"x3"x12' Coco Lumber		pcs.		
	2"x2'x12' Coco Lumber		pcs.		
	Common wire nails # 1 ½		kg.		
	Common wire nails # 2 ½		kg.		
	Common wire nails # 4		kg.		
4.8	<i>Stair</i>				
	1/4" x4'x8' Ordinary Plywood		sheets		
	2"x3"x12' Coco Lumber		pcs.		
	2"x2'x12' Coco Lumber		pcs.		
	Common wire nails # 1 ½		kg.		
	Common wire nails # 2 ½		kg.		
	Common wire nails # 4		kg.		
4.9	<i>Scaffolding for painting and Ceiling works</i>				
	2"x3"x12' coco lumber		pcs.		
	2"x2'x12' coco lumber		pcs.		
	Common wire nails # 4		kg.		
	SUB-TOTAL				
5.00	MASONRY WORKS INCLUDING WALL FOOTING				
5.1	<i>Wall</i>				
	CHB 4"		pcs.		
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
	SUB-TOTAL				
6.00	CEILING WORKS				
6.1	<i>Ceiling</i>				
	Hardiflex 1.20m x2.40m x1/4" thk.		sheets		
	Double Metal Furring Channel		lights		
	Currying Channel		lights		
	Wall Angle 1"x1"x4mmx8'		lights		
	Hardiflex Screw		pcs.		
	Blind rivets, 5/32"x3/4"		pcs.		
	Wall Clip		pcs.		
	#12 Hanger wire		kgs		
	SUB-TOTAL				
7.00	DOORS, WINDOWS & FIXED GLASS				
7.1	<i>Doors & Windows</i>				
	0.80m x 2.10m Panel Door-2 w/ door jamb and design (mahogany)		sets		
	0.70m x 2.10m Panel Door-3 w/ door jamb and design (mahogany)		sets		
	0.90m x 2.10m Panel Door-4 w/ door jamb and design (mahogany)		set		
	Fire Rated Steel Door-4 (0.90m. x 2.10m.)w/ door jamb, Stainless steel grab handle (see specs and detail)		set		
	Heavy Duty Stainless steel Panic devices		set		
	Cylindrical lock set		pcs.		

ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
	Loose pin Hinges (3½"x 4")		pairs		
	Double Swing Glass Door-1 Heavy Duty (1.35m. x 2.10m.)w/ 1¾"x4" Analok Frame & concealed heavv duty door closer (see specs and detail)		sets		
	1.25 x 2.55m Sliding Window 1, using 1/4" thick Glass Dark Gray with analok frame and transom 0.35m x 4.00m. (see specs and detail)		sets		
	1.25 x 1.70m SlidingWindow 2, using 1/4" thick Glass Dark Gray with analok frame and transom 0.35m x 3.20m. (see specs and detail)		sets		
	0.50 x 0.50m awning Window 3, using 1/4" thick Glass Dark Gray with analok frame (see specs and detail)		sets		
	1.20 x 1.80m Sliding Window 4, using 1/4" thick Glass Dark Gray with analok frame and fixed glass		set		
	Fixed Glass Panel (1/4"xW-2.00m. x H-2.80m.)w/ 1¾"x 4" Analok Frame (see specs and detail)		set		
	SUB-TOTAL				
8.00	TILEWORKS				
	Portland cement 40 kg. type 1		bags		
	Fine sand		cu.m.		
	0.60m x 0.60m (Floor tiles CR)		pcs.		
	0.60m x 0.60m (Wall tiles CR)(Floor to Ceiling)		pcs.		
	0.60m x 0.60m (Polished Granite floor Tiles)		pcs.		
	0.30m x 0.60m (Wooden Planks Textured Tiles)		pcs.		
	Tile trim		pcs.		
	ABC grout (2kls/bag)		bags		
	SUB-TOTAL				
9.00	PAINTING WORKS				
	Quick Dry Enamel Paint, Gloss		gals.		
	Flatwall Enamel Paint		gals.		
	Acrylic Latex Paint, Black		gals.		
	Acrylic Latex Paint, Gloss		gals.		
	Flat Latex Paint		gals.		
	Skimcoat		bags		
	Liquid Tile Cast		gals.		
	Liquid Tile Reducer		gals.		
	Paint Thinner		gals.		
	Concrete Neutralizer		quart		
	Sand Paper #120		pcs.		
	Roller Brush 8"		pcs.		
	Paint Brush 4"		pcs.		
	Paint Brush 3"		pcs.		
	Paint Brush 2"		pcs.		
	SUB-TOTAL				
10.00	PLUMBING WORKS				
	<i>10.1 Fixtures</i>				
	Water Closet w/ tank & comp. Accessories (Soap & Tissue Holder)(Female CR)		sets		
	Counter Top Lavatory w/ comp. Accessories (Lav.Faucet,Traps)(see specs and detail)(Female CR)		sets		
	Granite Counter Slab, 0.60m x 2.40m for Lavatory (see specs and detail)(Female CR)		pcs.		
	Floor Drain US Stainless 4"		pcs.		
	Faucets with hose bibb		pcs.		
	<i>10.2 Sanitary Lines</i>				
	PVC Pipe, 4"x10' (S-1000)		pcs.		
	PVC Pipe, 3"x10' (S-1000)		pcs.		
	PVC Pipe, 2"x10' (S-1000)		pcs.		
	PVC Tee, 4"x 4"		pcs.		
	PVC Wye, 4"x 4"		pcs.		
	PVC Wye, 3"x 3"		pcs.		
	PVC Wye, 4"x 2"		pcs.		
	PVC Wye, 2"x 2"		pcs.		
	PVC 45° bend elbow, 4"		pcs.		
	PVC 45° bend elbow, 3"		pcs.		
	PVC 45° bend elbow, 2"		pcs.		
	PVC Coupling, 4"		pcs.		
	PVC Coupling, 3"		pcs.		

ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
	PVC Coupling, 2"		pcs.		
	PVC 90° bend elbow, 4"		pcs.		
	PVC 90° bend elbow, 3"		pcs.		
	PVC 90° bend elbow, 2"		pcs.		
	Clean Out, 4"		pcs.		
	Clean Out, 3"		pcs.		
	PVC P-Trap, 2"		pcs.		
	Solvent 400cc		pcs.		
10.3	<i>Water Supply Lines</i>				
	PPR Pipe 1/2"Ø x 12'		length		
	PPR Pipe 1"Ø x 12'		length		
	PPR elbow 1/2"Ø x 45°		pcs.		
	PPR elbow 1"Ø x 45°		pcs.		
	PPR elbow 1/2"Ø x 90°		pcs.		
	PPR elbow 1"Ø x 90°		pcs.		
	PPR Female elbow adopter 1/2"Ø		pcs.		
	PPR Tee 1/2"Ø		pcs.		
	PPR Tee 1"Ø		pcs.		
	PPR Coupling 1/2"Ø		pcs.		
	PPR Coupling 1"Ø		pcs.		
	PPR Union 1/2"Ø		pcs.		
	PPR Union 1"Ø		pcs.		
	PPR Gate Volve 1/2"Ø		pcs.		
	PPR Gate Volve 1"Ø		pcs.		
	PPR Male adopter 1/2"Ø		pcs.		
	PPR Male adopter 1"Ø		pcs.		
	PPR Female adopter 1/2"Ø		pcs.		
10.4	<i>Septic Tank (4 Units)</i>				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
	CHB 6"		pcs.		
	SUB-TOTAL				
11.00	RAILINGS AND OTHER ARCHITECTURAL				
11.1	<i>Railings</i>				
	16mm x 6.0m Square bar		pcs.		
	2" x 2" x 1.5mm x 6.0m Tubular (standard)		length		
	1" x 2" x 1.5mm x 6.0m Tubular (standard)		length		
	Welding Rod		box		
11.2	<i>Sun Breaker</i>				
	2" x 3" x 2mm x 6.0m Tubular (standard)		length		
	1" x 3" x 2mm x 6.0m Tubular (standard)		length		
	SUB-TOTAL				
12.00	ELECTRICAL WORKS				
12.1	<i>Panel Board and Breaker</i>				
	Distribution Panel board, 500 AT,3P,6 holes (bolt-on type Center Main)		unit		
	Panel board, 125 AT,3P,18 holes (bolt-on type Center Main)		unit		
	Panel board, 100 AT,3P,18 holes (bolt-on type Center Main)		unit		
	Panel board, 80 AT,3P,18 holes (bolt-on type Center Main)		unit		
	Circuit breaker, 500 AT, 3P (bolt-on type Main breaker)		pc.		
	Circuit breaker, 160 AT, 3P (bolt-on type Main breaker)		pc.		
	Circuit breaker, 125 AT, 3P (bolt-on type Main breaker)		pc.		
	Circuit breaker, 100 AT, 3P (bolt-on type Main breaker)		pc.		
	Circuit breaker, 80 AT, 3P (bolt-on type Main breaker)		pc.		
	Circuit breaker, 40 AT, 2P (bolt-on type)		pc.		
	Circuit breaker, 30 AT, 2P (bolt-on type)		pc.		
	Circuit breaker, 20 AT, 2P (bolt-on type)		pc.		
	Circuit breaker, 15 AT, 2P (bolt-on type)		pc.		
	Safety breaker with cover moulded case, 30 AT, 2P		pc.		
	Safety breaker with cover moulded case, 20 AT, 2P		pc.		
	Copperclad Gound rod 20mmØ x 3m		pc.		

ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
12.2	<i>Lighting Fixtures</i>				
	LED Square type Downlight, 18 Watts (Recessed)(Day Light)		sets		
	LED-PANEL Light, 600mmx600mmx10mm, 36w-220V (Day Light)		sets		
	18 Watts Surface Mounted Ceiling Downlight (Daylight)		sets		
	Flexible Waterproof LED Strip light,AC220V with EU power plug, 120 led/m. 2835 SMD High brightness (Warm White)		meters		
	56" Industrial Ceiling Fan		sets		
12.3	<i>Wires & Cables</i>				
	150 mm ² , THHN Wire (Stranded)		meters		
	22 mm ² , THHN Wire (Stranded)		meters		
	14 mm ² , THHN Wire (Stranded)		meters		
	5.5 mm ² , THHN Wire (Stranded)		boxes		
	3.5 mm ² , THHN Wire (Stranded)		boxes		
	2.0 mm ² , THHN Wire (Stranded)		boxes		
12.4	<i>Conduit Pipes and Fittings</i>				
	RSC Conduit pipe, 80 mm. dia.		length		
	PVC Conduit pipe, 1.5" in. dia.		length		
	PVC Conduit pipe, 3/4 in. dia.		length		
	PVC Conduit pipe, 1/2 in. dia.		length		
	PVC Junction box /cover, 4"x4"		pcs.		
	PVC Utility box, 2"x4"		pcs.		
	PVC coupling 1.5"		pcs.		
	PVC coupling 3/4"		pcs.		
	Electrical Tape (big)		rolls		
12.5	<i>Wiring Devices</i>				
	Switch, Flush Type,3-Gang "Wide series"		sets		
	Switch, Flush Type,2-Gang "Wide series"		sets		
	Switch, Flush Type,1-Gang "Wide series"		sets		
	3 Way Switch, Flush Type, 1 - Gang "Wide Series"		sets		
	Duplex Convenience Outlet with Ground, Flush Type "Wide series"		sets		
	Floor Receptacle Outlet 3- Gang		sets		
	ACU Outlet, Flush Type,1-Gang "Wide series"		sets		
	SUB-TOTAL				

Total Material cost

A. DIRECT COST

- 1 Material Cost
- 2 Labor Cost (35% of A.1)
- 3 General Requirements
- 4 Earth Works

SUB-TOTAL

B. INDIRECT COST

- 1 Contingency Allow. (5% of A.1)
- 2 VAT, Taxes, Misc. (7% of A.1-4 + B.1)
- 3 Contractor's Profit (10% of A.1-4)

SUB-TOTAL

TOTAL PROJECT COST

Prepared by: