

SOUTHERN LEYTE STATE UNIVERSITY SOGOD, SOUTHERN LEYTE

 Project:
 PROPOSED COMPLETION OF ENGINEERING & TECHNOLOGY (MECHATRONICS) BUILDING

 Location:
 SLSU MAIN CAMPUS, SOGOD, SOUTHERN LEYTE

 Owner:
 SOUTHERN LEYTE STATE UNIVERSITY

Owner: SOUTHERN LEYTE STATE UNIVERSITY

ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
1.00	GENERAL REQUIREMENTS				
	Mobilization / Demobilization				
	Temp.Facil		lot		
	SUB-TOTAL				
2.00	EARTH WORKS				
	Excavation		cu.m.		
	Backfilling/filling materials		cu.m.		
	SUB-TOTAL				
3.00	CONCRETE WORKS				
3.1	Footing (Column & Stair)				
	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 Tie Wire		kgs		
	SUB-TOTAL				
3.2	Footing Tie Beam				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	16 mmØ Steel Bars Structural Grade 40		pcs.		
	10 mmØ Steel Bars Structural Grade 33		pcs.		
	#16 Tie Wire		kgs		
	SUB-TOTAL				
3.3	Slab - L1				
	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		
	SUB-TOTAL				
3.4	Slab - L2				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		
	12 mmØ Steel Bars Structural Grade 40		pcs.		
	#16 Tie Wire		kgs		
	SUB-TOTAL				
3.5	Column - L1				
	Portland Cement,40 kg. (Type 1)		bags		
	Washed sand		cu.m.		
	Gravel,3/4		cu.m.		

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	20 mmØ Steel Bars Structural Grade 40	pcs.	
	10 mmØ Steel Bars Structural Grade 33	pcs.	
	#16 Tie Wire	kgs	
	SUB-TOTAL		
3.6	Column - L2		
	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	
	SUB-TOTAL		
3.7	Beam - L2		
	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.	
	10 mmØ Steel Bars Structural Grade 33	pcs.	
	#16 Tie Wire	kgs	
	SUB-TOTAL		
3.8	Roof Beam		
	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.	
	10 mmØ Steel Bars Structural Grade 33	pcs.	
	#16 Tie Wire	kgs	
	SUB-TOTAL		
3.9	Stair - L1 to L2		
	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.	
	10 mmØ Steel Bars Structural Grade 33	pcs.	
	#16 Tie Wire	kgs	
	SUB-TOTAL	<u>_</u>	
3.10	Canopy and Lintel Beam		
	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	
	SUB-TOTAL		
4.00	FORM WORKS/ SCAFFOLDINGS		
	Slab - L2		
7.1	1/4" x4'x8' Ordinary Plywood	sheets	<u> </u>
	2"x3"x12' Coco Lumber	pcs.	
	Common wire nails # 1 ½	kg.	
	Common with nulls $\pi \perp / 2$	<u>∿</u> ξ.	

	Common wire nails # 4	kg.	
	SUB-TOTAL	<u>к</u> в.	
12	Column - L1		
4.2		choote	
	1/4" x4'x8' Ordinary Plywood 2"x3"x12' Coco Lumber	sheets	
		pcs.	
	2"x2'x12' Coco Lumber	pcs.	
	Common wire nails # 1 ½	kg.	
	Common wire nails # 2 ½	kg.	
	Common wire nails # 4	kg.	
	SUB-TOTAL		
4.3	Column - L2		
	1/4" x4'x8' Ordinary Plywood	sheets	
	2"x3"x12' Coco Lumber	pcs.	
	2"x2'x12' Coco Lumber	pcs.	
	Common wire nails # 1 1⁄2	kg.	
	Common wire nails # 2 1/2	kg.	
	Common wire nails # 4	kg.	
	SUB-TOTAL		
4.4	Roof Beam		
	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.	
	SUB-TOTAL		
15	Stair - L1 to L2		
4.5	1/4" x4'x8' Ordinary Plywood	sheets	
	2"x3"x12' Coco Lumber		
	2"x2'x12' Coco Lumber	pcs.	
		pcs.	
	Common wire nails # 1 ½	kg.	
	Common wire nails # 2 ½	kg.	
	Common wire nails # 4	kg.	
	SUB-TOTAL		
5.00	MASONRY WORKS		
5.1	Wall and plant box		
	СНВ 4"	pcs.	
	CHB 6" (from tie beam to level 1)	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	CANPENTRY WORKS		
6.1	Ceiling		
	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			
	D1, Swing Glass Door (Heavy Duty)w/ Powder Coated Fra	me (1.00r	sets	
	D2, Solid Wood Panel Door with Jamb (0.90m. x 2.10m.)		sets	
	W1, Sliding Glass Win.(1/4"xW-2.40m.xH-1.50m.)w/ 1%"	x 3" Powd	sets	
	W2, Sliding Glass Win.(1/4"xW-2.30m.xH-0.60m.)w/ 1¾"	x 3" Powd	sets	
	W3, Sliding Glass Win.(1/4"xW-1.20m.xH-0.60m.)w/ 1¾";	x 3" Powd	set	
	Cylindrical Lockset		sets	
	Loose pin Hinges (3½"x 4")		pairs	
	SUB-TOTAL			
8.00	TILEWORKS			
	Portland cement 40 kg. type 1		bags	
	Fine sand		cu.m.	
	0.40m x 0.40m (Textured Floor tiles 2nd flr.)		pcs.	
	0.40m x 0.40m (Textured Floor tiles Male & Female CR)		pcs.	
	0.40m x 0.40m (Glazed premium Wall tiles Male & Femal	e CR)	pcs.	
	Granite Counter Slab, 0.60m. x 2.4m		рс	
	Tile trim		pcs.	
	ABC grout (2kls/bag)		bags	
	SUB-TOTAL			
9.00	ROOFING WORKS			
	10mmthk Double Sided PE Foam Insulation		sq.m.	
	GI Tie Wire #14		rolls	
	0.50mm thk Twin-Rib Type Pre-Painted Long span Roofing	g	sq.m.	
	Ridge Roll, Pre-Painted, 0.610m x 2.44m x 0.5mm thk		pcs	
	Metal Fascia 10", Pre-Painted		pcs	
	Tex Screw 2 1/2" full thread		pcs	
	Blind rivets		pcs.	
	Silicone Sealant, clear		pcs	
	Vulca Seal		gal	
	2"x2"x1/4"thk Angle Bar (standard)		length	
	2"x2"x3/16"thk Angle Bar (standard)		length	
	1" x 1" 3/16" Angle Bar @ 6m. Length (standard)		length	
	1"x1/4"x 6m. Flat bar (standard)		length	
	2"x 4"x 20'x 1.5mm. C-Purlins		length	
	Steel Plate 1.20m x 2.40m x 6mm thk (Gusset Plate)		sheet	
	Steel Plate 1.20m x 2.40m x 12mm thk (Base Plate)		sheet	
	Anchor Bolt 16mmØ x 50mm x 300mm Long w/ Nuts and	Washer	pcs	
	20mmØ Turnbuckle		pcs	
	Rust Converter		gals	
	Welding Rod		boxes	
	16mm dia. Round Bars Cross Bracing		length	
	10mm dia. @ 6m. length. RSB		length	
	Red Lead Paint		gals.	
	Paint Thinner		gals.	
	Roller Brush 4"		pcs.	
	Paint Brush 3"		pcs.	
	Paint Brush 2"		pcs.	
	SUB-TOTAL			
10.00	PAINTING WORKS			
	Quick Dry Enamel Paint, Gloss		gals.	
	Flatwall Enamel Paint		gals.	
	Acrylic Latex Paint, Gloss		gals.	

	Flat Latex Paint	معاده		
		gals		
	Red Lead Paint	gals		
	Liquid Tile Cast	gals		
	Liquid Tile Reducer	gals		
	Body Filler	gals		
	Tinting Color Thalo blue latex	gals		
	Tinting Color Raw Sienna latex	gals		
	Tinting Color lamp black latex	gals		
	Oil Tinting Color Thalo blue	gals		
	Oil Tinting Color Raw Sienna	gals		
	Oil Tinting Color lamp black	gals		
	Paint Thinner	gals		
	Concrete Neutralizer	gals		
	Sand Paper #120	gals		
	Roller Brush 8"	gals		
	Paint Brush 4"			
		gals		-
	Paint Brush 3"	gals		
	Paint Brush 2"	gals		
	SUB-TOTAL			_
11.00				
11.1	Fixtures			
	Water Closet w/ tank & comp. Accessories (Soap & Tissue		5	
	Lavatory Counter Top w/ comp. Accessories (Lav.Faucet,Tr	raps)(see sets	5	
	Faucets with hose bibb	pcs		
	Floor Drain US Stainless 4"	pcs		
	SUB-TOTAL			
11.2	Sanitary Lines			
	PVC Pipe, 4"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, 4"x 2"	pcs		
	PVC Wye, 2"x 2"	pcs		
	PVC 45° bend elbow, 4"			
	PVC 45° bend elbow, 4 PVC 45° bend elbow, 2"	pcs		
		pcs		_
	PVC Coupling, 4"	pcs		
	PVC Coupling, 2"	pcs		
	PVC 90° bend elbow, 4"	pcs		
	PVC 90° bend elbow, 2"	pcs		
	Clean Out, 4"	pcs		
	PVC P-Trap, 2"	pcs		
	Solvent 400cc	pcs		
	SUB-TOTAL			
11.3	Water Supply Lines			
	PPR Pipe 1/2"Ø x 12'	lengt	h	
	PPR Pipe 1"Ø x 12'	lengt	h	
	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			
	PPR IEE 1 W	pcs	·	1

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	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.		
	SUB-TOTAL		·		
11.4	Septic Tank				
	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.		
			pc3.		
12.00	RAILINGS AND OTHER ARCHITECTURAL				
12.00	2" x 6" x 5.7mm x 6.0m Tubular (standard)		length		
	1" x 3" x5.7mm x 6.0m Tubular (standard)		length		
	$1/4" \times 1\%" \times 6.0m$ Flat bar (standard)				
			length		
	16mm x 16mm x 6.0m Square bar (standard)		length		
	2" x 2" x 5.7mm x 6.0m Tubular (standard)		length		
	Welding Rod Polycarbonate 4"x8"		box		
	· · · · · · · · · · · · · · · · · · ·		pcs.		
	H-clep		pcs.		
	U-clep		pcs.		
	Tex Screw 1 ¹ / ₂ " (full thread)		pcs.		
	Silicone sealant		pcs.		
	SUB-TOTAL				
	ELECTRICAL WORKS				
13.1	Breaker				
	Circuit breaker, 15 AT, 2P (bolt-on type)		units		
	Circuit breaker, 20 AT, 2P (bolt-on type)		units		
	Circuit breaker, 30 AT, 2P (bolt-on type)		units		
	SUB-TOTAL				
13.2					
	Lighting Fixtures				
	21 Watts T5 Fluorescent Lamp (Day Light)(1st Floor)		sets		
	21 Watts T5 Fluorescent Lamp (Day Light)(1st Floor) LED Circular Downlight 8"Ø, 20 Watts (Day Light)(2nd Floor)	or)	sets		
	21 Watts T5 Fluorescent Lamp (Day Light)(1st Floor) LED Circular Downlight 8"Ø, 20 Watts (Day Light)(2nd Floor LED Circular Downlight 6"Ø, 12 Watts (Day Light) CR				
	21 Watts T5 Fluorescent Lamp (Day Light)(1st Floor) LED Circular Downlight 8"Ø, 20 Watts (Day Light)(2nd Floo LED Circular Downlight 6"Ø, 12 Watts (Day Light) CR Surface type Downlight 4"Ø,24W with housing (69400 wh		sets		
	21 Watts T5 Fluorescent Lamp (Day Light)(1st Floor) LED Circular Downlight 8"Ø, 20 Watts (Day Light)(2nd Floor LED Circular Downlight 6"Ø, 12 Watts (Day Light) CR		sets sets		
	21 Watts T5 Fluorescent Lamp (Day Light)(1st Floor) LED Circular Downlight 8"Ø, 20 Watts (Day Light)(2nd Floo LED Circular Downlight 6"Ø, 12 Watts (Day Light) CR Surface type Downlight 4"Ø,24W with housing (69400 wh 56" Industrial Ceiling Fan SUB-TOTAL		sets sets sets		
13.3	21 Watts T5 Fluorescent Lamp (Day Light)(1st Floor) LED Circular Downlight 8"Ø, 20 Watts (Day Light)(2nd Floo LED Circular Downlight 6"Ø, 12 Watts (Day Light) CR Surface type Downlight 4"Ø,24W with housing (69400 wh 56" Industrial Ceiling Fan SUB-TOTAL Wires & Cables		sets sets sets		
13.3	21 Watts T5 Fluorescent Lamp (Day Light)(1st Floor) LED Circular Downlight 8"Ø, 20 Watts (Day Light)(2nd Floo LED Circular Downlight 6"Ø, 12 Watts (Day Light) CR Surface type Downlight 4"Ø,24W with housing (69400 wh 56" Industrial Ceiling Fan SUB-TOTAL		sets sets sets		
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13.3	21 Watts T5 Fluorescent Lamp (Day Light)(1st Floor) LED Circular Downlight 8"Ø, 20 Watts (Day Light)(2nd Floo LED Circular Downlight 6"Ø, 12 Watts (Day Light) CR Surface type Downlight 4"Ø,24W with housing (69400 wh 56" Industrial Ceiling Fan SUB-TOTAL <i>Wires & Cables</i> 5.5 mm ² , THHN Wire (Stranded) 3.5 mm ² , THHN Wire (Stranded)		sets sets sets box boxes		
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PVC Junction box /cover, 4"x4"	pcs.	
PVC Utility box, 2"x4"	pcs.	
Electrical Tape (big)	rolls	
SUB-TOTAL		
13.5 Wiring Devices		
Switch, Flush Type,3-Gang "Wide series"	set	
Switch, Flush Type,2-Gang "Wide series"	sets	
Switch, Flush Type,1-Gang "Wide series"	sets	
Switch, Flush Type,1-Gang 3-way "Wide series"	set	
Duplex Convenience Outlet, Flush Type "Wide series"	sets	
ACU Outlet, Flush Type,1-Gang "Wide series"	sets	
SUB-TOTAL		

Total Material cost

A. DIRECT COST

- 1 Material Cost
- 2 Labor Cost (30% of A.1)
- 3 General Requirements
- 4 Earth Works
- 5 Chipping of existing beam for connection of canopy and demolishing portion of parappet wall for sky way

B. INDIRECT COST

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

C. ADMINISTRATIVE COST

- 1 Supervisions Cost (Management Technical Inspectors Team)
- 2 Advertising Cost

SUB-TOTAL

SUB-TOTAL

SUB-TOTAL

TOTAL PROJECT COST

Prepared by: