

HD ENGINEERS+BUILDERS

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GENERAL CONSTRUCTION ✦ ENGINEERING CONSULTANCY

Project: COMPLETION OF RESEARCH AND INNOVATION CENTER AT SLSU SOGOD CAMPUS

Location: SLSU-MAIN, SOGOD CAMPUS, SOGOD, SOUTHERN LEYTE

Owner: SOUTHERN LEYTE STATE UNIVERSITY

Project Duration: 270 C.D.

ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
1.00	GENERAL REQUIREMENTS				
	Mobilization/Demobilization and Site Clearing	1	lot		
	Temporary Facilities/Water/Electric	1	lot		
	SUB-TOTAL				
2.00	EARTH WORKS				
	Excavation	58	cu.m.		
	Line and Grade	1	lot		
	SUB-TOTAL				
3.00	CONCRETE WORKS				
3.1	<i>Slab - L1</i>				
	Portland Cement,40 kg. (Type 1)	378	bags		
	Washed sand	19	cu.m.		
	Gravel,3/4	38	cu.m.		
	10 mmØ Steel Bars Structural Grade 33	260	pcs.		
	#16 Tie Wire	19	kgs		
3.2	<i>Slab - L2</i>				
	Portland Cement,40 kg. (Type 1)	520	bags		
	Washed sand	26	cu.m.		
	Gravel,3/4	52	cu.m.		
	12 mmØ Steel Bars Structural Grade 40	937	pcs.		
	#16 Tie Wire	113	kgs		
3.3	<i>Slab - L3</i>				
	Portland Cement,40 kg. (Type 1)	520	bags		
	Washed sand	26	cu.m.		
	Gravel,3/4	52	cu.m.		
	12 mmØ Steel Bars Structural Grade 40	937	pcs.		
	#16 Tie Wire	113	kgs		
3.4	<i>Column - L2 to L3</i>				
	Portland Cement,40 kg. (Type 1)	329	bags		
	Washed sand	17	cu.m.		
	Gravel,3/4	33	cu.m.		
	20 mmØ Steel Bars Structural Grade 40	314	pcs.		
	10 mmØ Steel Bars Structural Grade 33	779	pcs.		
	#16 Tie Wire	80	kgs		
3.5	<i>Column - L3 to Roof Beam</i>				
	Portland Cement,40 kg. (Type 1)	53	bags		
	Washed sand	3	cu.m.		
	Gravel,3/4	6	cu.m.		
	20 mmØ Steel Bars Structural Grade 40	121	pcs.		
	10 mmØ Steel Bars Structural Grade 33	314	pcs.		
	#16 Tie Wire	32	kgs		
3.6	<i>Beam - L2</i>				
	Portland Cement,40 kg. (Type 1)	412	bags		
	Washed sand	21	cu.m.		
	Gravel,3/4	42	cu.m.		
	20 mmØ Steel Bars Structural Grade 40	401	pcs.		
	12 mmØ Steel Bars Structural Grade 40	112	pcs.		
	10 mmØ Steel Bars Structural Grade 33	490	pcs.		
	#16 Tie Wire	134	kgs		

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ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
3.7	<i>Beam - L3</i>				
	Portland Cement,40 kg. (Type 1)	429	bags		
	Washed sand	22	cu.m.		
	Gravel,3/4	43	cu.m.		
	20 mmØ Steel Bars Structural Grade 40	401	pcs.		
	12 mmØ Steel Bars Structural Grade 40	91	pcs.		
	10 mmØ Steel Bars Structural Grade 33	497	pcs.		
	#16 Tie Wire	120	kgs		
3.8	<i>Roof Beam</i>				
	Portland Cement,40 kg. (Type 1)	232	bags		
	Washed sand	12	cu.m.		
	Gravel,3/4	24	cu.m.		
	20 mmØ Steel Bars Structural Grade 40	219	pcs.		
	10 mmØ Steel Bars Structural Grade 33	320	pcs.		
	#16 Tie Wire	60	kgs		
3.9	<i>Lintel Beam and Canopy</i>				
	Portland Cement,40 kg. (Type 1)	99	bags		
	Washed sand	5	cu.m.		
	Gravel,3/4	8	cu.m.		
	12 mmØ Steel Bars Structural Grade 40	172	pcs.		
	10 mmØ Steel Bars Structural Grade 33	154	pcs.		
	#16 Tie Wire	15	kgs		
3.10	<i>Stair 1&2- L1 to L3</i>				
	Portland Cement,40 kg. (Type 1)	124	bags		
	Washed sand	7	cu.m.		
	Gravel,3/4	13	cu.m.		
	16 mmØ Steel Bars Structural Grade 40	103	pcs.		
	12 mmØ Steel Bars Structural Grade 40	162	pcs.		
	10 mmØ Steel Bars Structural Grade 33	51	pcs.		
	#16 Tie Wire	33	kgs		
	SUB-TOTAL				
4.00	FORM WORKS/ SCAFFOLDINGS				
4.1	<i>Column</i>				
	1/4" x4'x8' Ordinary Plywood	61	sheets		
	2"x3"x12' Coco Lumber	379	pcs.		
	2"x2"x12' Coco Lumber	253	pcs.		
	Common wire nails # 1 ½	5	kg.		
	Common wire nails # 2 ½	6	kg.		
	Common wire nails # 4	10	kg.		
4.2	<i>Beam & Roof Beam</i>				
	1/4" x4'x8' Ordinary Plywood	85	sheets		
	2"x3"x12' Coco Lumber	744	pcs.		
	2"x2"x12' Coco Lumber	317	pcs.		
	Common wire nails # 1 ½	10	kg.		
	Common wire nails # 2 ½	15	kg.		
	Common wire nails # 4	20	kg.		
4.3	<i>Slab</i>				
	1/4" x4'x8' Ordinary Plywood	248	sheets		
	2"x3"x12' Coco Lumber	608	pcs.		

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ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
	2"x2'x12' Coco Lumber	100	pcs.		
	Common wire nails # 1 ½	10	kg.		
	Common wire nails # 2 ½	10	kg.		
	Common wire nails # 4	20	kg.		
4.4	Lintel Beam and Canopy				
	1/4" x4'x8' Ordinary Plywood	19	sheets		
	2"x3"x12' Coco Lumber	348	pcs.		
	2"x2'x12' Coco Lumber	144	pcs.		
	Common wire nails # 1 ½	8	kg.		
	Common wire nails # 2 ½	10	kg.		
	Common wire nails # 4	15	kg.		
4.5	Stair - L1 to L3				
	1/4" x4'x8' Ordinary Plywood	12	sheets		
	2"x3"x12' Coco Lumber	200	pcs.		
	2"x2'x12' Coco Lumber	90	pcs.		
	Common wire nails # 1 ½	5	kg.		
	Common wire nails # 2 ½	8	kg.		
	Common wire nails # 4	15	kg.		
4.6	Scaffolding for painting and Ceiling works				
	2"x3"x12' coco lumber	250	pcs.		
	2"x2'x12' coco lumber	150	pcs.		
	Common wire nails # 4	25	kg.		
	SUB-TOTAL				
5.00	MASONRY WORKS INCLUDING WALL FOOTING				
5.1	Wall and plant box				
	CHB 4"	4,848	pcs.		
	CHB 6"	3,985	pcs.		
	Portland Cement,40 kg. (Type 1)	926	bags		
	Washed sand	78	cu.m.		
	10 mmØ Steel Bars Structural Grade 33	405	pcs.		
	#16 Tie Wire	23	kgs		
	SUB-TOTAL				
6.00	CEILING AND PARTITION WORKS				
6.1	Ceiling (1st,2nd and 3rd floor)				
	Gypsum Board 4 ft. x 8 ft. x1/2" thk.	359	sheets		
	Double Metal Furring Channel	320	lights		
	Currying Channel	256	lights		
	Wall Angle 1"x1"x4mmx8'	132	lights		
	Gypsum Board Screw	19,386	pcs.		
	Blind rivets, 5/32"x3/4"	3,000	pcs.		
	Wall Clip	528	pcs.		
	#12 Hanger wire	110	kgs		
6.2	Partition				
	Water proof Phenolic Compact Board toilet Partition with complete Accessories (see specs and detail)(Toilet Male & Female)	11	sets		
	SUB-TOTAL				
7.00	DOORS, WINDOWS & GLASS PARTITION				
7.1	Doors				

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ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
	Double Swing Frameless Tempered Glass Door-1 (W-3.00m. x H-2.50m.) (see specs and detail)	2	sets		
	Double Swing Frameless Tempered Glass Door-2 (W-2.00m. x H-2.50m.) (see specs and detail)	2	sets		
	0.80m x 2.10m panel Door-4 w/ door jamb and design (see specs and detail)	10	sets		
	0.60m x 2.10m panel Door-5 w/ door jamb and design (see specs and detail)	8	sets		
	0.90m x 2.10m panel Door-6 w/ door jamb and design (see specs and detail)	3	sets		
	Lever Type lockset	20	pcs.		
	Loose pin Hinges (3½"x 4")	30	pairs		
	Frameless Tempered Glass Sliding Door-3 and Partition(1/2"thk. x W-2.75m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	8	sq.m.		
	Frameless Tempered Glass Sliding Door-7 and Partition(1/2"thk. x W-5.75m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	16	sq.m.		
	Frameless Tempered Glass Sliding Door-8 and Partition(1/2"thk. x W-4.133m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	11	sq.m.		
	Frameless Tempered Glass Sliding Door-9 and Partition(1/2"thk. x W-13.55m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	37	sq.m.		
	Frameless Tempered Glass Sliding Door-10 and Partition(1/2"thk. x W-4.90m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	13	sq.m.		
	Frameless Tempered Glass Sliding Door-11 and Partition(1/2"thk. x W-5.90m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	16	sq.m.		
	Frameless Tempered Glass Sliding Door-12 and Partition(1/2"thk. x W-1.50m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	4	sq.m.		
	Double Swing Frameless Tempered Glass Door-13 and Partition(1/2"thk. x W-5.422m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	14	sq.m.		
	Double Swing Frameless Tempered Glass Door-14 and Partition(1/2"thk. x W-2.967m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	24	sq.m.		
	Frameless Tempered Glass Swing Door-15 and Partition(1/2"thk. x W-1.756m. x H-2.75m.) with complete fittings & Accessories (see specs & detail)	5	sq.m.		
7.2	<i>Windows</i>				
	Glazed Aluminum Curtain Wall system W-1(10mm thk. One-way Tempered Glass) (W-6.50m. x H-6.70m.) (see specs and detail)	2	sets		
	Dark Grey Fixed Glass Panel W-2(1/4"xW-1.00m. x H-3.00m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	4	sets		
	Dark Grey Fixed Glass Panel with Awning W-3(1/4"xW-6.20m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Fixed Glass Panel with Awning W-4(1/4"xW-2.250m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Fixed Glass Panel with Awning W-5(1/4"xW-1.725m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Fixed Glass Panel with Awning W-6(1/4"xW-3.35m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	4	sets		
	Dark Grey Fixed Glass Panel with Awning W-6a(1/4"xW-3.35m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Fixed Glass Panel W-7(1/4"xW-4.45m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	3	sets		
	Dark Grey Fixed Glass Panel W-7a(1/4"xW-4.45m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	2	sets		
	Dark Grey Fixed Glass Panel with Awning W-8(1/4"xW-2.00m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	2	sets		
	Dark Grey Fixed Glass Panel with Awning W-8a(1/4"xW-2.00m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		

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ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
	Dark Grey Fixed Glass Panel W-8b(1/4"xW-2.00m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	2	sets		
	Dark Grey Fixed Glass Panel W-8c(1/4"xW-2.00m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Fixed Glass Panel with Awning W-10(1/4"xW-1.725m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Fixed Glass Panel with Awning W-11(1/4"xW-2.25m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	2	sets		
	Dark Grey Fixed Glass Panel with Awning W-12(1/4"xW-3.90m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	2	sets		
	Dark Grey Fixed Glass Panel W-13(1/4"xW-2.25m. x H-2.40m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	4	sets		
	Dark Grey Fixed Glass Panel W-15(1/4"xW-3.35m. x H-2.40m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	2	sets		
	Dark Grey Fixed Glass Panel with Awning W-16(1/4"xW-5.40m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Fixed Glass Panel with Awning W-16a(1/4"xW-5.40m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Fixed Glass Panel with Awning W-17(1/4"xW-4.80m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	2	sets		
	Dark Grey Fixed Glass Panel with Awning W-17a(1/4"xW-4.80m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	2	sets		
	Dark Grey Fixed Glass Panel with Awning W-18(1/4"xW-4.45m. x H-2.70m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Fixed Glass Panel with Awning W-18a(1/4"xW-4.45m. x H-2.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Awning Window-19(1/4"xW-2.25m. x H-0.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	2	sets		
	Dark Grey Awning Window-20(1/4"xW-1.10m. x H-0.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
	Dark Grey Awning Window-21(1/4"xW-0.60m. x H-0.50m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	6	sets		
	Dark Grey Fixed Glass Panel W-22(1/4"xW-0.40m. x H-1.80m.) w/ 2 1/2"x 6" Powder Coated Frame with Sealant(see specs and detail)	1	set		
7.2	<i>Partition</i>				
	Frameless Tempered Glass Partition-1 (1/2"thk. x W-3.636m. x H-2.75m.) with complete fittings & Accessories (see specs and detail)	10	sq.m.		
	Frameless Tempered Glass Partition-2 (1/2"thk. x W-2.838m. x H-2.75m.) with complete fittings & Accessories (see specs and detail)	8	sq.m.		
	Frameless Tempered Glass Partition-3 (1/2"thk. x W-1.484m. x H-2.75m.) with complete fittings & Accessories (see specs and detail)	4	sq.m.		
	Frameless Tempered Glass Partition-4 (1/2"thk. x W-3.70m. x H-2.75m.) with complete fittings & Accessories (see specs and detail)	20	sq.m.		
	Frameless Tempered Glass Partition-5 (1/2"thk. x W-6.383m. x H-3.70m.) with complete fittings & Accessories (see specs and detail)	34	sq.m.		
	Frameless Tempered Glass Partition-6 (1/2"thk. x W-3.45m. x H-3.70m.) with complete fittings & Accessories (see specs and detail)	9	sq.m.		
	Frameless Tempered Glass Partition-7 (1/2"thk. x W-5.42m. x H-3.70m.) with complete fittings & Accessories (see specs and detail)	30	sq.m.		
	Retractable Acoustic Accordion wall	2	sets		
	SUB-TOTAL				

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8.00	TILEWORKS				
	Portland cement 40 kg. type 1	123	bags		
	Fine sand	47	cu.m.		
	0.60m x 0.60m (Floor tiles Toilet)	214	pcs.		
	0.60m x 0.60m (Wall tiles Toilet)(Floor to Ceiling)	765	pcs.		
	0.60m x 0.60m (Polished Granite Tiles)	3,309	pcs.		
	Tile trim	19	pcs.		
	Stone Cladding (Plantbox)	36	sq.m.		
	Andorra Stonepavers Keyhole	60	sq.m.		
	ABC grout (2kls/bag)	48	bags		
	Stair Nosing 1½" x 3m. (Brass)	40	pcs.		
	SUB-TOTAL				
9.00	ROOFING WORKS				
	10mmthk Double Sided PE Foam Insulation	425	sq.m.		
	GI Tie Wire #14	6	rolls		
	0.50mm thk Twin-Rib Type Pre-Painted Long span Roofing	425	sq.m.		
	Metal Fascia 12", Pre-Painted	14	pcs		
	Ridge Roll 18", Pre-Painted	4	pcs		
	Flashing, Pre-Painted, 0.5mm thk	8	pcs		
	Fabricated Stainless Sheet Gutter, 304 S.S.	3	pcs		
	Downspout Roof Drain Stainless strainer, 4"(Cap round net cover)	6	pcs		
	Tex Screw 2 1/2" full thread	5,100	pcs		
	Blind rivets	2,500	pcs.		
	Silicone Sealant, clear	15	pcs		
	Vulca Seal	2	gals		
	Spandrell	355	mtrs		
	2"x2"x1/4"thk Angle Bar (standard)	109	length		
	2"x2"x3/16"thk Angle Bar (standard)	99	length		
	1" x 1" 3/16" Angle Bar @ 6m. Length (standard)	20	length		
	1"x1/4"x 6m. Flat bar (standard)	10	length		
	2"x 4"x 20'x 2mm. C-Purlins	134	length		
	Steel Plate 1.20m x 2.40m x 6mm thk (Gusset Plate)	3	sheet		
	Steel Plate 1.20m x 2.40m x 12mm thk (Base Plate)	3	sheet		
	20mmØ Turnbuckle	30	pcs		
	16mm dia. Round Bars Cross Bracing	44	length		
	12mm dia. Round Bars Sag Rod	26	length		
	Rust Converter	3	gals		
	Welding Rod	5	boxes		
	Red Lead Paint	4	gals.		
	Paint Thinner	3	gals.		
	Roller Brush 4"	5	pcs.		
	Paint Brush 3"	5	pcs.		
	Paint Brush 2"	3	pcs.		
	SUB-TOTAL				
10.00	PAINTING WORKS				
10.1	<i>Wood Surface</i>				
	Quick Dry Enamel Paint, Gloss	12	gals.		
	Flatwall Enamel Paint	6	gals.		
	Paint Thinner	2	gals.		

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	Automotive Lacquer	2	gals.		
	Lacquer Primer	2	gals.		
	Lacquer Spot Putty	2	gals.		
	Lacquer Thinner	1	gal		
10.2	Concrete and Cement board Surface				
	Acrylic Latex Paint, Black	4	gals.		
	Acrylic Latex Paint, Gloss	170	gals.		
	Flat Latex Paint	82	gals.		
	Skimcoat	93	bags		
	Concrete Neutralizer	19	quart		
	Liquid Tile Cast	6	gals.		
	Liquid Tile Reducer	3	gals.		
	Body Filler	4	gals.		
10.3	Metal Surface				
	Epoxy Primer black w/ catalyst	6	gals.		
	Lacquer Thinner	1	gal		
	Automotive Paint	2	gals.		
	Sand Paper #120	100	pcs.		
	Roller Brush 6"	20	pcs.		
	Paint Brush 4"	15	pcs.		
	Paint Brush 3"	10	pcs.		
	Paint Brush 2"	10	pcs.		
	SUB-TOTAL				
11.00	PLUMBING WORKS				
11.1	Fixtures				
	Water Closet w/ tank & comp. Accessories (Soap & Tissue Holder)(Male & Female Toilet)	18	sets		
	Counter Top Lavatory w/ comp. Accessories (Lav.Faucet,Traps)(see specs and detail)	8	sets		
	Pedestal Lavatory & comp. Accessories (Soap & Tissue Holder)	6	sets		
	Granite Counter Slab, 0.60m x 2.40m for Lavatory & Sink (see specs and detail)	4	pcs.		
	Urinal, with comp. Accessories (see specs and detail)	2	sets		
	Shower Head	3	sets		
	Towel bar, Towel ring	3	sets		
	Counter Mirror 0.70m.x 0.90m.	8	sets		
	Counter Mirror 2.50m.x 0.90m.	2	sets		
	Floor Drain US Stainless 4"	27	pcs.		
	Faucets with hose bibb	6	pcs.		
11.2	Sanitary Lines				
	PVC Pipe, 4"x10' (S-1000)	29	pcs.		
	PVC Pipe, 3"x10' (S-1000)	15	pcs.		
	PVC Pipe, 2"x10' (S-1000)	15	pcs.		
	PVC Tee, 4" x 4"	9	pcs.		
	PVC Wye, 4" x 4"	25	pcs.		
	PVC Wye, 3" x 3"	22	pcs.		
	PVC Wye, 4" x 2"	30	pcs.		
	PVC Wye, 2" x 2"	12	pcs.		
	PVC 45° bend elbow, 4"	7	pcs.		
	PVC 45° bend elbow, 3"	11	pcs.		

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GENERAL CONSTRUCTION ✦ ENGINEERING CONSULTANCY

Project: COMPLETION OF RESEARCH AND INNOVATION CENTER AT SLSU SOGOD CAMPUS

Location: SLSU-MAIN, SOGOD CAMPUS, SOGOD, SOUTHERN LEYTE

Owner: SOUTHERN LEYTE STATE UNIVERSITY

Project Duration: 270 C.D.

ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
	PVC 45 ⁰ bend elbow, 2"	7	pcs.		
	PVC Coupling, 4"	10	pcs.		
	PVC Coupling, 3"	12	pcs.		
	PVC Coupling, 2"	10	pcs.		
	PVC 90 ⁰ bend elbow, 4"	22	pcs.		
	PVC 90 ⁰ bend elbow, 3"	32	pcs.		
	PVC 90 ⁰ bend elbow, 2"	26	pcs.		
	Clean Out, 4"	7	pcs.		
	Clean Out, 3"	5	pcs.		
	PVC P-Trap, 2"	14	pcs.		
	Solvent 400cc	8	pcs.		
<i>11.3</i>	<i>Water Supply Lines</i>				
	PPR Pipe 1/2"Ø x 12'	18	length		
	PPR Pipe 1"Ø x 12'	18	length		
	PPR elbow 1/2"Ø x 45 ⁰	12	pcs.		
	PPR elbow 1"Ø x 45 ⁰	4	pcs.		
	PPR elbow 1/2"Ø x 90 ⁰	12	pcs.		
	PPR elbow 1"Ø x 90 ⁰	4	pcs.		
	PPR Female elbow adopter 1/2"Ø	31	pcs.		
	PPR Tee 1/2"Ø	25	pcs.		
	PPR Tee 1"Ø	6	pcs.		
	PPR Coupling 1/2"Ø	18	pcs.		
	PPR Coupling 1"Ø	12	pcs.		
	PPR Union 1/2"Ø	8	pcs.		
	PPR Union 1"Ø	8	pcs.		
	PPR Gate Volve 1/2"Ø	6	pcs.		
	PPR Gate Volve 1"Ø	6	pcs.		
	PPR Male adopter 1/2"Ø	31	pcs.		
	PPR Male adopter 1"Ø	3	pcs.		
	PPR Female adopter 1/2"Ø	16	pcs.		
<i>11.4</i>	<i>Septic Vault (2 Units)</i>				
	Portland Cement,40 kg. (Type 1)	166	bags		
	Washed sand	12	cu.m.		
	Gravel,3/4	8	cu.m.		
	12 mmØ Steel Bars Structural Grade 40	40	pcs.		
	10 mmØ Steel Bars Structural Grade 33	52	pcs.		
	#16 Tie Wire	6	kgs		
	CHB 6"	884	pcs.		
	SUB-TOTAL				
12.00	RAILINGS & SUN BREAKER				
<i>12.1</i>	<i>Railings</i>				
	Prefab railings (304 Stainless pipe 38mmØ) (see specs and detail)	1	lot		
	2" x ¼" Stainless Steel Flat bar (standard)	13	pcs.		
	1 ½" x ¼" Stainless Steel Flat bar (standard)	20	pcs.		
	20mmØ Stainless Steel Plain Round bar (standard)	2	pcs.		
	12mmØ Stainless Steel Plain Round bar (standard)	39	pcs.		
	2" x 4" x 1.5mm x 6.0m Tubular Stainless (standard)	7	length		
	1" x 3" x 1.5mm x 6.0m Tubular Stainless (standard)	71	length		
	Welding Rod Stainless	20	kgs		

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ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
12.2	<i>Sun Breaker</i>				
	50mm x 150mm x 6.0m Powder Coated Aluminum (standard)	55	length		
	Welding Rod Stainless	10	kgs		
	SUB-TOTAL				
13.00	LOGO AND SIGNAGES				
	SLSU Logo (see specs and detail)	1	lot		
	Research and Innovation signages (see specs and detail)	1	lot		
	SUB-TOTAL				
14.00	ALUMINUM COMPOSITE PANELS				
	0.40mm thk Aluminum Composite Panels	530	sq.m.		
	1½" x 1½" 3/16" Angle Bar @ 6m. Length (standard)	204	length		
	1" x 1" 3/16" Angle Bar @ 6m. Length (standard)	155	length		
	Welding Rod	4	box		
	SUB-TOTAL				
15.00	ELECTRICAL WORKS				
15.1	<i>Panel Board and Breaker</i>				
	Distribution Panel board, 300 AT,3P,10 holes (bolt-on type Center Main)	1	unit		
	Panel board, 125 AT,3P,24 holes (bolt-on type Center Main)	3	units		
	Panel board, 150 AT,3P,24 holes (bolt-on type Center Main)	3	units		
	Panel board, 150 AT,3P,8 holes (bolt-on type Center Main)	3	units		
	Circuit breaker, 300 AT, 3P (bolt-on type Main breaker)	1	unit		
	Circuit breaker, 125 AT, 3P (bolt-on type Main breaker)	3	units		
	Circuit breaker, 150 AT, 3P (bolt-on type Main breaker)	6	units		
	Circuit breaker, 15 AT, 2P (bolt-on type)	54	units		
	Circuit breaker, 20 AT, 2P (bolt-on type)	42	units		
	Circuit breaker, 30 AT, 2P (bolt-on type)	9	units		
	Circuit breaker, 40 AT, 2P (bolt-on type)	12	units		
	Circuit breaker, 30 AT, 3P (bolt-on type)	9	units		
	Circuit breaker, 40 AT, 3P (bolt-on type)	12	units		
	Circuit breaker, 60 AT, 2P (bolt-on type)	9	units		
	Safety breaker with cover moulded case, 40 AT, 2P	9	units		
15.2	<i>Lighting Fixtures</i>				
	18 Watts Ultra Thin Panel Downlight LED Square type Ceiling Light	238	sets		
	LED Circular Ceiling Lamp, 12 Watts (Day Light)	180	sets		
	32 Watts, 60cm x 60cm LED Panel light Ceiling Lamp (Daylight)	34	sets		
	LED Circular 42 Watts Surface Mounted Ceiling Downlight (Daylight)	18	sets		
	25 Watts Bollard Lamp	19	sets		
	LED 50 Watts Wall Lamp (Warm Light)	10	sets		
	Flexible Waterproof LED Strip light,AC220V with EU power plug, 120 led/m. 2835 SMD High brightness (Warm White)	185	meters		
	Hand Dryer	2	sets		
15.3	<i>Wires & Cables</i>				
	125 mm², THHN Wire (Stranded)	135	meters		
	60 mm², THHN Wire (Stranded)	294	meters		
	50 mm², THHN Wire (Stranded)	63	meters		
	30 mm², THHN Wire (Stranded)	40	meters		
	14 mm², THHN Wire (Stranded)	10	meters		
	8.0 mm², THHN Wire (Stranded)	3	boxes		
	5.5 mm², THHN Wire (Stranded)	9	boxes		
	3.5 mm², THHN Wire (Stranded)	14	boxes		

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	2.0 mm ² , THHN Wire (Stranded)	9	boxes		
<i>15.4</i>	<i>Conduit Pipes and Fittings</i>				
	RSC Conduit pipe, 2 in. dia.	33	length		
	PVC Conduit pipe, 2 in. dia.	10	length		
	PVC Conduit pipe, 3/4 in. dia.	230	length		
	PVC Conduit pipe, 1/2 in. dia.	250	length		
	PVC Junction box /cover, 4"x4"	60	pcs.		
	PVC Utility box, 2"x4"	110	pcs.		
	Electrical Tape (big)	30	rolls		
<i>15.5</i>	<i>Wiring Devices</i>				
	Switch, Flush Type,3-Gang "Wide series"	33	sets		
	Switch, Flush Type,2-Gang "Wide series"	32	sets		
	Switch, Flush Type,1-Gang "Wide series"	18	sets		
	Switch, Flush Type,1-Gang 3-way "Wide series"	9	sets		
	Duplex Convenience Outlet, Flush Type "Wide series"	38	sets		
	Floor Mounted Duplex Convenience Outlet, Flush Type	8	sets		
	ACU Outlet, Flush Type,1-Gang "Wide series"	12	sets		
	SUB-TOTAL				
16.00	MECHANICAL				
<i>16.1</i>	Automatic water sprinkler system	1	lot		
<i>16.2</i>	Fire hose cabinet & Piping	6	sets		
<i>16.3</i>	Fire Extinguisher 18.8 lbs.	13	sets		
<i>16.4</i>	Fire alam system	1	lot		
	SUB-TOTAL				

Total Material cost

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ITEM #	DESCRIPTION/MATERIALS	QTY	UNIT	UNIT COST	SUB-TOTAL
A. DIRECT COST					
1	Material Cost				
2	Labor Cost (35% of A.1)				
3	General Requirements (mob/demob, Site Clearing, temp. facil.)				
4	Earth Works (Excavation, line and grade)				
					SUB-TOTAL
B. INDIRECT COST					
1	Contingency Allow. (5% of A.1)				
2	VAT, Taxes, Misc. (7% of A.1-3 + B.1)				
3	Contractor's Profit (10% of A.1-3)				
					SUB-TOTAL
					TOTAL PROJECT COST

Prepared by: