

ANNEX C



Republic of the Philippines
SOUTHERN LEYTE STATE UNIVERSITY
Hinunangan Campus

Ambacon, Hinunangan, Southern Leyte
 Website: www.slsuonline.edu.ph/hinunangan
 Email: slsu_caes@slsuonline.edu.ph
 Telephone: (053) 589 1056 / Mobile: 09171127943
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DETAILED ESTIMATES

Name of Project: **Rehabilitation of OSAS Building into Two-Storey Academic Building
 (Major Renovation and Remodeling of Two-Room OSAS Building into a Two-Storey Complex)
 SLSU-Hinunangan Campus, Hinunangan, Southern Leyte**

ABC: **₱49,500,000.00**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	MATERIAL COST		LABOR COST		TOTAL
				Unit Cost	Amount	Unit Cost	Amount	
1.0	General Requirements							
1.1	Temporary facilities/utilities, water and electrical facilities, safety protection, personal protective equipment (PPE) & protection fences	1.00	lot					
1.2	Permits (building and occupancy including fire alarm & fire extinguisher requirement), as-built plans (original + 3 sets copies), project sign board	1.00	lot					
1.3	Material testing	1.00	lot					
	Sub-Total							
2.0	Site Works							
2.1	Site clearance and preparation (including transfer of electrical lines)	1.00	lot					
2.2	Demolition/Chipping Works	1.00	lot					
2.3	Re-routing of existing drainage canal	1.00	lot					
	Sub-Total							
3.0	Earthworks							
3.1	Excavation	1,498.21	cu.m.					
3.2	Backfilling and Compaction	2,715.00	cu.m.					
	Sub-Total							
4.0	Reinforced Concrete Works							
4.1	Concrete Works	1,396.07	cu.m.					
	Column Footing	320.48	cu. m.					
	Concrete Columns	211.82	cu. m.					
	Tie Beam	83.52	cu. m.					
	Wall Footing	8.00	cu. m.					
	Concrete Beams	146.66	cu. m.					
	Slab on Grade	140.95	cu. m.					
	Floor Slab	456.24	cu. m.					
	Ramps and stairs	28.40	cu. m.					
4.2	Rebar Works							
	Column Footing	45,586.32	kgs.					
	Concrete Columns	45,987.94	kgs.					
	Tie Beam	19,944.94	kgs.					
	Wall Footing	296.16	kgs.					
	Concrete Beams	32,548.88	kgs.					
	Slab on Grade	11,276.00	kgs.					
	Floor Slab	43,342.55	kgs.					
	Ramps and stairs	3,408.00	kgs.					
	Sub-Total							
5.0	Formworks & Scaffolding							
5.1	Formworks	1.00	lot					
5.2	Scaffolding Works	1.00	lot					
	Sub-Total							
6.0	Masonry Works							
		2,910.00	sq.m.					
6.1	Laying of 150mm. CHB, plastering & rebars (exterior walls)	1,321.00	sq.m.					
6.2	Laying of 100mm. CHB, plastering & rebars (interior walls)	1,589.00	sq.m.					
	Sub-Total							



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				Unit Cost	Amount	Unit Cost	Amount	
7.0	Doors and Windows							
7.1	Doors							
	D1: Solid panel door with glazing window (1.0 x 2.1)	24	sets					
	D2: Single Leaf, single swing glass door in analok frame w/ 3/8" thick glass (0.9 x 2.1)	11	sets					
	D3: Flush door with louver (0.9 x 2.1)	8	sets					
	D4: Solid panel door (1.0 x 2.1)	16	sets					
	D5: Double leaf, double swing glass door in analok frame w/ 3/8" thick glass (1.6 x 2.1)	9	sets					
	D6: Double leaf, solid panel door (1.6 x 2.1)	2	sets					
	D7: Double leaf, sliding glass door in analok frame w/ 6mm thick tempered glass (1.6 x 2.1)	2	sets					
	D8: Double leaf, wire mesh door with transom (1.8 x 2.48)	2	sets					
	D9: Toilet wooden flush door with toilet lock indicator (vacant/engaged) (0.6 x 2.1)	21	sets					
7.2	Windows							
	W1: Casement and awning window in aluminum frame analoc finish with 6mm thick glass (3.6 x 1.65)	31	sets					
	W2: Sliding window in aluminum frame analoc finish with 6mm thick glass (1.2 x 1.1)	13	sets					
	W3: Sliding window in aluminum frame analoc finish with 6mm thick glass (0.6 x 0.4)	4	sets					
	W4: Awning window in aluminum frame analoc finish with 6mm thick glass (3.56 x 0.4)	11	sets					
	W5: Sliding window in aluminum frame analoc finish with 6mm thick glass (2.0 x 0.4)	12	sets					
	W6: Fixed window in aluminum frame analoc finish with 6mm thick glass (2.0 x varies)	86.64	sq.m.					
7.3	Glass Walls							
	6mm thick glass in aluminum frame (LHS, RHS and rear stair wall)	17.16	sq.m					
	Sub-Total							
8.0	Iron & Steel Works							
8.1	Sun-breaker							
	2"x 4" hollow steel tube	864.00	l.m.					
8.2	Trellis							
	2"x 4" hollow steel tube	1,250.80	l.m.					
	G.I. pipe 4" Ø x 6m Sch. 40 (trellis post)	13.00	length					
8.3	Walkway, ramp, stair handrails & railings							
	SS Pipe 2" Ø x 6m Sch. 20	150.00	length					
	SS Pipe 1" Ø x 6m Sch. 20	250.00	length					
	G.I. Pipe 2" Ø x 6m	57.00	length					
8.4	Welding Rod	300.00	kgs.					
8.5	Fittings and accessories	1	lot					
	Sub-Total							



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ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	MATERIAL COST		LABOR COST		TOTAL
				Unit Cost	Amount	Unit Cost	Amount	
9.0	Finishing Works							
9.1	Floor Finishes							
9.1.a	Glazed tile (classrooms, offices, walkways)	1,961.33	sq.m.					
	600 x 600mm porcelain super white polished	5,449.00	pcs					
	Portland cement	648.00	bags					
	Sand	58.84	cu.m.					
	Tile grout	255.00	bags					
	Tile adhesive (25 kg)	295.00	bags					
9.1.b	Unglazed tile (CR, stairs)	169.50	sq.m.					
	600 x 600mm unglazed tile	471.00	pcs					
	Portland cement	56.00	bags					
	Sand	5.09	cu.m.					
	Tile grout	23.00	bags					
	Tile adhesive (25 kg)	26.00	bags					
9.2	Wall Finishes							
9.2.a	Unglazed tile (CR)	309.06	sq.m.					
	600 x 600mm unglazed tile	859.00	pcs					
	Portland cement	102.00	bags					
	Sand	9.27	cu.m.					
	Tile grout	41.00	bags					
	Tile adhesive (25 kg)	47.00	bags					
	Tile trim	1.00	lot					
9.2.b	Exterior decorative tiles	100.80	sq.m.					
	600 x 600mm exterior decorative tiles	280.00	pcs					
	Portland cement	34.00	bags					
	Sand	3.02	cu.m.					
	Tile grout	14.00	bags					
	Tile adhesive (25 kg)	16.00	bags					
9.3	Kitchen and laboratory sink	63.60	sqm					
	600 x 600mm glazed tile	177.00	pcs					
	Portland cement	21.00	bags					
	Sand	1.91	cu.m.					
	Tile grout	9.00	bags					
	Tile adhesive (25 kg)	10.00	bags					
	Tile trim	1.00	lot					
9.4	Decorative concrete moulding	204.00	l.m.					
	Sub-Total							



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10.0	Electrical Works							
	Panel Boards							
10.1	Panel Board and Breaker							
	Main Distribution Panel (MDP), 500 AT/1000 AF, 3P, MCCB, 8 branches , bolt – on type center main, with the following branch circuit breakers: 150 AT (3 units), 125 AT (1 unit), 100 AT (4 units)	1	unit					
	Panel Board, 125 AT/200 AF, 3P, 30 holes, bolt-on type center main	1	unit					
	Panel Board, 125 AT/200 AF, 3P, 34 holes, bolt-on type center main	1	unit					
	Panel Board, 100 AT/150 AF, 3P, 20 holes, bolt-on type center main	1	unit					
	Panel Board, 80 AT/125 AF, 3P, 16 holes, bolt-on type center main	1	unit					
	Panel Board, 80 AT/125 AF, 3P, 14 holes, bolt-on type center main	2	unit					
	Circuit Breaker (Branch for MDP), 150 AT/250 AF, 3P	3	unit					
	Circuit Breaker (Branch for MDP), 125 AT/200 AF, 3P	1	unit					
	Circuit Breaker (Branch for MDP), 100 AT/150 AF, 3P	4	unit					
	Circuit Breaker (Main for PB1-CO and PB2 -CO), 125 AT/200 AF, 3P, Bolt-on type center main	2	unit					
	Circuit Breaker (Main for PB1 –LO), 100 AT/150 AF, 3P, bolt – on type center main	1	unit					
	Circuit Breaker (Main for PB3-CO, PB2 –LO and PB3 - LO), 80 AT/100 AF, 3P, bolt – on type center main	3	unit					
	Circuit breaker, 15 AT, 2P (bolt-on type)	46	units					
	Circuit breaker, 20 AT, 2P (bolt-on type)	39	units					
	Circuit breaker, 30 AT, 2P (bolt-on type)	34	units					
	Copperclad Gound rod 20mmØ x 3m.	1	pc					
	Ground Rod Clamp	3	pcs.					
10.2	Lighting Fixtures							
	2"x4" reflector diffusers w/ 2 LED lights, 30W	75	pcs					
	2"x2" reflector diffusers w/ 2 LED lights, 15W	28	pcs					
	6" dia reflector w/ LED bulb, 15W	510	pcs					
	4" dia recessed penlight w/ glass cover, 6W	52	pcs					
	Wall mounted LED 15w daylight	54	pcs					
	Outdoor light LED 15w daylight	10	pcs					
	Fly traps on blue light	4	pcs					
	Emergency light	30	pcs.					
	Smoke detector	1	lot					
10.3	Wires & Cables							
	125 mm ² THHN Wire or equivalent, stranded	100	l.m.					
	60 mm ² THHN Wire or equivalent, stranded	100	l.m.					
	50 mm ² THHN Wire or equivalent, stranded	50	l.m.					
	30 mm ² THHN Wire or equivalent, stranded	100	l.m.					
	22 mm ² THHN Wire or equivalent, stranded	150	l.m.					
	14 mm ² THHN Wire or equivalent, stranded	50	l.m.					



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				Unit Cost	Amount	Unit Cost	Amount	
	8 mm ² THHN Wire or equivalent, stranded	6	box					
	5.5 mm ² THHN Wire or equivalent, stranded	6	box					
	3.5 mm ² THHN Wire or equivalent, stranded	60	box					
	2.0 mm ² THHN Wire or equivalent, stranded	60	box					
10.4	Conduit Pipes and Fittings							
	RSC, 50 mm dia.	17	length					
	PVC Conduit pipe, 2 in. dia.	10	length					
	PVC Conduit pipe, 3/4 in. dia.	300	length					
	PVC Conduit pipe, 1/2 in. dia.	300	length					
	PVC Junction box /cover, 4"x4"	100	pcs.					
	PVC Utility box, 2"x4"	150	pcs.					
	Electrical Tape (big)	60	rolls					
10.5	Wiring Devices							
	Switch, Flush Type,3-way "Wide series"	6	sets					
	Switch, Flush Type,3-Gang "Wide series"	5	sets					
	Switch, Flush Type,2-Gang "Wide series"	59	sets					
	Switch, Flush Type,1-Gang "Wide series"	33	sets					
	Duplex Convenience Outlet, Flush Type "Wide series"	250	sets					
	Duplex Convenience Outlet, Flush Type "Wide series" (weatherproof)	58	sets					
	ACU Outlet, Flush Type,1-Gang "Wide series"	34	sets					
10.6	Hand Dryer (comfort rooms)	6	sets					
10.7	Miscellaneous fittings	1	lot					
	Sub-Total							



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				Unit Cost	Amount	Unit Cost	Amount	
11.0	Plumbing Works & Drainage System							
11.1	Cold water lines							
	25mm dia PPR pipes	80	l.m.					
	20mm dia PPR pipes	210	l.m.					
	25mm miscellaneous fittings	1	lot					
	20mm miscellaneous fittings	1	lot					
11.2	Sanitary and Sewer lines							
	6" PVC pipes S-1000	95	lm					
	4" PVC pipes S-1000	200	lm					
	3" PVC pipes S-1000	100	lm					
	2" PVC pipes S-1000	200	lm					
	4" dia pipe fittings and Accessories	1	lot					
	3" dia PVC pipe fittings Accessories	1	lot					
	2" dia. PVC pipe fittings Accessories	1	lot					
	Septic tank & fittings	2	lot					
11.3	Fixtures							
	Water closet (flush type) and accessories	29	set					
	Lavatory and accessories	31	set					
	Urinal and accessories	15	set					
	Stainless steel sink and accessories	11	set					
	20 mm dia. faucet	15	pcs					
	Bathroom wall mirror (single)	8	pcs.					
	Bathroom wall mirror (multiple)	6	pcs.					
	Other Accessories	1	lot					
11.4	Catch basin	12	set					
11.5	Rehabilitation of existing drainage canal							
	1m diameter pipe culvert	20	l.m.					
11.6	Water source system							
	0.8m diameter pipe culvert (deep well)	4	l.m.					
	Storage tank 1000L and accessories	2	set					
	Booster pump 1Hp/1PH and accessories	1	set					
	Pressure tank 42 gal and accessories	1	set					
	Other accessories	1	lot					
	Sub-Total							
12.0	Carpentry Works							
12.1	Ceiling works							
	1/4" thick marine plywood on metal furring	226	sq.m.					
	Spandrel ceiling (for eaves)	153	sq.m.					
	Cove frame with 1/4" thick marine plywood ceiling	26	l.m.					
	1/2" x 12" fascia board (hardiflex)	141.72	l.m.					
	Ventilation	10	sets					
12.2	Rooms/Offices/Cafeteria							
	Double walling partition (hardiflex)	70	sqm					
	Table and cabinets	1	lot					
	Island counter	1	lot					
	Sub-Total							
13.0	Roofing Works							
	T1 steel trusses and accessories (purlins, sag rods)	4	sets					
	T2 steel trusses and accessories (purlins, sag rods)	10	sets					
	Ga.#26 ordinary corrugated pre-painted long span roof sheets and accessories	363.1	sq.m.					
	Other accessories	1	lot					
	Sub-Total							
14.0	Painting Works							
14.1	Concrete/masonry	8,565	sq.m					



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				Unit Cost	Amount	Unit Cost	Amount	
	Skim coat, 20kg	514	bags					
	Semi-gloss latex finishes (double coat)	171	pail					
14.2	Wood/timber	212	sq.m					
	Glazing putty	11	gal					
	Flat wall enamel	8	gal					
	Quick dry enamel	8	gal					
	Paint Thinner	53	liter					
	Tinting color	2	pint					
14.4	Metal/steel	150	sq.m					
	Red oxide primer	6	gal					
	Enamel paint	15	gal					
	Paint Thinner	38	liter					
	Tinting color	2	pint					
14.5	Painting works accessories	1	lot					
15.0	Bleachers and Plant Box							
	Concrete bleachers	160.62	l.m.					
	Plant box	1	lot					
	Sub-Total							
	TOTAL MATERIAL COST							
	TOTAL LABOR COST							
	DIRECT COST							

- I **DIRECT COST**
- II **INDIRECT COST**
 - A. MOBILIZATION/DEMOBILIZATION
 - B. CONTRACTOR'S PROFIT
 - C. OCM (Overhead, Contingencies & Miscellaneous)
- III **TOTAL PROJECT COST** _____

PREPARED BY: