

Republic of the Philippines  
ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY  
Burgos Street, La Paz, Iloilo City

**Project Title:** ISAT U CULTURAL HERITAGE AND EDUCATIONAL RESEARCH CENTER: AN EDU-TOURISM PROJECT  
**Location:** ISAT U La Paz Campus, La Paz, Iloilo City  
**Approved Budget for the Contract:** PhP 14,600,000.00

**PROGRAM OF WORKS**

PROJECT DESCRIPTION Renovation of old 2-Storey Student Government Center into ISAT U Cultural Heritage and Educational Research Center: An Edu-Tourism Project to include the supply of materials, manpower, technical supervision and equipment necessary for the completion of the project as per approved scope of works, plan and specifications	Mode of Implementation		Lump Sum Contract
	Contract Duration		300 Calendar Days
	Equipment Needed		Back Hoe, Concrete Mixer, Concrete Vibrator, Dumptruck
	Key Personnel Required		Site Engineer, Architect, Prof. Electrical Engineer, Prof. Electronics Engineer, Materials & Safety Engineer

**A. BUILDING COST**

Item No.	SCOPE OF WORKS/ DESCRIPTION	% Weight	Qty	Unit	Unit Cost	Total Amount (PhP)
<b>1.0</b>	<b>GENERAL REQUIREMENTS</b> Includes Professional fees for sign and seal of plans, final inspection and certificates and completion, as-built plans (architectural, structural, electrical, sanitary/plumbing, mechanical and electronics), testing and commissioning of installed equipments, occupancy permits, materials testing, water & electricity, temporary facilities and enclosures, safety and health requirements.					
1.1	Permits (Building and Occupancy Permits Processing & Fire code fees, Sign and Seal, As-Built Plans,		1.00	lot		
1.2	Material Testing		1.00	lot		
1.3	Water and Electricity		1.00	lot		
1.4	Health and Safety Requirements (PPE, uniform & signages)		1.00	lot		
<b>Sub-total (Work Item Cost)</b>						<b>0%</b>
<b>2.0</b>	<b>SITE WORK</b> Includes supply of necessary materials and manpower for clearing and hauling of debris /removed materials and excavated soil, backfilling (approved filling material), foundation bed (gravel/ boulders), and termite proofing.					
2.1	Temporary Facilities (enclosure and bodega)		1.0	lot		
2.2	Mobilization/Demob		1.0	lot		
2.3	Excavation & Backfilling and			cu.m.		
2.4	Gravel bedding			cu.m.		
2.5	Termite Proofing			sq. m.		
<b>Sub-total (Work Item Cost)</b>						
<b>3.0</b>	<b>CONCRETE WORKS</b> Includes supply of materials, labor and necessary equipment for the concreting of foundations, grade beams and wall footings, ground floor slabs and steps on fill, columns, second and third floor beams and slabs, mezzanine floor framing, roof beams, parapets, concrete gutters, planted columns, lintel beams and planters, including rebars and formworks.					
3.1	Foundation- Footing & Tie Beams, 4000 psi			cu.m.		
3.2	Columns from footing to roof beams; planted columns			cu.m.		
3.3	2nd Floor Beams and Slabs			cu.m.		
3.4	Mezzanine Floor beams and Slabs			cu.m.		
3.5	3rd Floor Beams and Slabs, Parapets and Conc. Gutters			cu.m.		
3.6	Roof Beam Framing (3rd Floor)			cu.m.		
3.7	Stairs			cu.m.		
3.8	Ground Floor Slab and paved areas			cu.m.		
<b>Sub-total (Work Item Cost)</b>						
<b>4.0</b>	<b>MASONRY WORK</b> Includes laying or installation of CHB on exterior and interior walls/ partitions with size and thickness as specified in the plans including rebars and mortar.					
4.1	6" CHB			sqm		
4.2	4" CHB			sqm		
<b>Sub-total (Work Item Cost)</b>						
<b>5.0</b>	<b>METAL WORKS</b> Includes Fabrication and installation of steel roof framing as per plan and specifications, stair handrails and railings					

6.1	Metal Roofing & Insulation			sq.m.		
6.2	Waterproofing			sq.m.		
<b>Sub-total (Work Item Cost)</b>						
<b>7.0</b>	<b>DOORS, WINDOWS &amp; GLAZING</b>					
	Supply and installation doors and windows as per plan and specifications					
<b>7.1</b>	<b>Windows and Glass</b>					
	Glass wall façade (6mm thk tempered glass in powder coated aluminum frame, dark brown with awning panels as shown in drawings)					
7.1.1	W-11 Glass wall façade (6mm thk reflective tempered glass in powder coated aluminum frame, dark brown with awning panels as shown in drawings)			set		
7.1.2	W-12 Glass wall façade (6mm thk reflective tempered glass in powder coated aluminum frame, dark brown with awning panels as shown in drawings)			set		
7.1.3	W-13 Glass wall façade (6mm thk reflective tempered glass in powder coated aluminum frame, dark brown with awning panels as shown in drawings)			set		
7.1.4	W-1 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.5	W-2 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.6	W-3 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.7	W-4 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.8	W-5 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.9	W-6 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.10	W-7 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.11	W-8 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.12	W-9 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.13	W-10 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.14	W-14 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.15	W-15 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
7.1.16	W-16 Glass windows (6mm thk bronze glass in powder coated aluminum frame)			set		
<b>Sub-total</b>						-
<b>7.2</b>	<b>Doors</b>					
	Supply and installation of doors to include door hardware as locks, hinges and door stoppers and door jambs for wooden doors.					
7.2.1	D-1 (12mm thk tempered glass frameless door panels with 6mm sidelights and transom in powder coated aluminum			set		

7.2.5	D-5 Glass doors (6mm thk bronze glass in powder coated aluminum frame)			sq.m.		
7.2.6	D-6 FHC Toilet Door, 0.80x2.10, automotive finish			units		
7.2.7	D-7 FHC Toilet Door, 0.70x2.10, automotive finish			units		
Sub-total						
Sub-total (Work Item Cost)						-
8.0	CARPENTRY					
	Supply and installation of ceiling framing and boards					
8.1	Fiber Cement Board Ceiling		-	sq.m.		
8.2	Acoustic Ceiling			sq.m.		
Sub-total (Work Item Cost)						
9.0	FINISHES					
	Includes plain cement plaster for concrete and masonry surfaces, interior and exterior painting, tile works and stone/veneer cladding					
9.1	Plastering			sq.m.		
9.2	Tileworks			sq.m.		
9.3	Interior Wall Paint			sq.m.		
9.4	Ceiling Paint			sq.m.		
9.5	Exterior Wall Paint (Liquid Tile)			sq.m.		
9.6	Stone Cladding			sq.m.		
9.7	Granite tile cladding			sq.m.		
Sub-total (Work Item Cost)						
10.0	ELECTRICAL WORKS					
	Includes layout and installation of Electrical roughing-ins, wires and cables, wiring devices and lighting fixtures,					
10.1	Power Distribution System: Supply, installation, testing and commissioning but not limited to the following:					
10.1.1	Enclosed Main Circuit Breaker (ECB), 150AT/250AF, 3P, 35kAIC, 230V, 3Ph, 60Hz, 3 Wires + Ground, 25kAIC, surface wall mounted, Nema 3 enclosure, installed @ Power House, complete with terminations and all necessities		1.00	lot		-
10.1.2	Enclosed Main Circuit Breaker (ECB), 150AT/250AF, 3P, 25kAIC, 230V, 3Ph, 60Hz, 3 Wires + Ground, 25kAIC, with 3 holes mechanical terminal lugs al-cu., wall mounted, flush type, installed @ CHERC Bldg.		1.00	lot		
10.1.3	Power Panelboard "PPA", 150A Frame, 230V, 2Pole, + Ground, 60Hz, 18kAIC, 20Ways, Tin Coated Busbars, flush wall mounted, IP44, deadfront, bolt-on type.		1.00	lot		
10.1.4	Power Panelboard "PPB", 200A Frame, 230V, 2Pole, + Ground, 60Hz, 18kAIC, 20 ways, Tin Coated Busbars, flush wall mounted, IP44, deadfront, bolt-on type. Main MCCB: 125AT/200AF, 2P, 18kAIC, Center Main Branch MCB's: 5 no.-15AT60AF, 2P, 10kAIC 10 no.-20AT60AF, 2P, 10kAIC 3 no.-30AT60AF, 2P, 10kAIC 2 no.-40AT60AF, 2P, 10kAIC		1.00	lot		
10.1.5	Power Panelboard "PPC", 150A Frame, 230V, 2Pole, + Ground, 60Hz, 18kAIC, 12 ways, Tin Coated Busbars, flush wall mounted, IP44, deadfront, bolt-on type. Main MCCB: 60AT/100AF, 2P, 18kAIC, Center Main Branch MCB's: 2 no.-15AT60AF, 2P, 10kAIC 6 no.-20AT60AF, 2P, 10kAIC 4 no.-30AT60AF, 2P, 10kAIC		1.00	lot		
10.1.6	KW-hr meter, 200A, Direct Connection Type, 230V, 3Ph, 3 Wires, mounted @ the Power House		1.00	lot		
	CHERC to MDP feeder 3 - 60mm² THW					

10.1.10	Subfeeder 2 - 14mm <sup>2</sup> THHN-2 Cu. 8.0mm <sup>2</sup> TW CU. (G), 600V, complete with containment			m		
10.1.11	20mmØ x 2.4meter, Copper clad steel ground rod with concrete inspection pit, complete with all accessories			set		
Item No.	SCOPE OF WORKS/ DESCRIPTION	% Weight	Qty	Unit	Unit Cost	Total Amount (PhP)
10.1.12	Safety Power Switch, 30A, 230V, 1Ph, 60Hz, Double Pole Single Throw, NEMA 3R, enclosure			nos		
10.1.13	Enclosed Miniature Circuit Breaker with cover, 20A/2pole, 230V, 1Ph, 60Hz, wall mounted, surface type			nos		
<b>Sub-total</b>						
<b>10.2</b>	<b>Lighting Fixtures:</b> Supply, installation, testing and commissioning but not limited to the following:					
10.2.1	12W, 230V, 60hz, LED Circular downlight with glass opal diffuser, metal body, white trim, CRI >80, 4500-6500°K, recessed mounted			set		
10.2.2	12W, 230V, 60hz, LED Circular downlight with glass opal diffuser, metal body, white trim, CRI >80, 4500-6500°K, surface mounted			set		
10.2.3	9W, 230V, 60hz, LED Circular downlight with glass opal diffuser, metal body, white trim, CRI >80, 4500-6500°K, recessed mounted, IP44			set		
10.2.4	6W, 230V, 60hz, LED Circular spotlight, with glass clear diffuser, metal body, white trim, CRI >80, 2700-3500°K, recessed mounted			set		
10.2.5	100W max., 230V, 60hz, LED Decorative Chandelier, 2700-3500°K, suspended type			set		-
10.2.6	3x20W, 230V, 60hz, LED Track Lights, adjustable beam angle 30-90 deg., 2700-3500°K, electronic power gear			set		-
10.2.7	5W/M, 230V, 60hz, LED Strip Cove light., 2700-3500°K, electronic power gear			m		-
10.2.8	12W, 230V, 60hz, LED Wall light., frosted diffuser, cylindrical type, 2700-3500°K			set		-
10.2.9	9W, 230V, 60hz, LED Conical Barn Pendant Light, metal, black color, 2700-3500°K			set		-
10.2.10	2x3W, 230V, 60Hz, LED Self Contained Emergency Lighting, wall mounted, 6 hours battery pack duration, non-maintained operation			set		
10.2.11	3W, 230V, 60Hz, LED Self Contained Emergency Exit Luminaire, wall/ceiling mounted, Green, pictogram/letters, 6 hours battery pack duration, maintained operation			set		
<b>Sub-total</b>						-
<b>10.3</b>	<b>Wiring Devices:</b> Supply, installation, testing and commissioning but not limited to the following:					
10.3.1	16A, 250V, Single Pole One-way Switch, Flush Mounted, White Color			set		
10.3.2	16A, 250V, Two Gang One-way Switch, Flush Mounted, White Color			set		
10.3.3	16A, 250V, Three Gang One-way Switch, Flush Mounted, White Color			set		
10.3.4	16A, 250V, One Gang Three-way Switch, Flush Mounted, White Color			set		
10.3.5	16A, 250V, Two Gang Three-way Switch, Flush Mounted, White Color			set		

10.3.8	16A, 250V, 3 Pin, Duplex Convenience Outlet, Universal Type, Floor Flush Mounted, with safety shutter and cover, Stainless Steel Brushed cover			set		
10.3.9	20A, 250V, 3 Pin, Single Power Outlet, Flush Mounted, White Color			set		
Sub-total						-
10.3.10	Wiring Conductors: Supply, installation, testing and commissioning but not limited to the following:					
10.3.11	3.5mm² THHN CU. Stranded			box		
10.3.12	5.5mm² THHN CU. Stranded			box		
10.3.13	8.0mm² THHN CU. Stranded			box		
Sub-total						
10.4	Conduits and Boxes: Supply, installation, testing and commissioning but not limited to the following:					
10.4.1	2" x 4" PVC Utility Box, Heavy duty			pcs		
10.4.2	4" Octagonal PVC Junction box, Heavy Duty			pcs		
10.4.3	50mmØ Rigid PVC Conduit			length		
10.4.4	50mmØ PVC Coupling			pcs		
10.4.5	20mmØ Rigid PVC Conduit			length		
10.4.6	20mmØ PVC Coupling			pcs		
10.4.7	25mmØ Rigid PVC Conduit			length		
10.4.8	25mmØ PVC Coupling			pcs		
10.4.9	2" DIA. Weatherhead Cap			pcs		
Sub-total						
	Consumables		1.00	lot		
	Testing & Commissioning		1.00	lot		
Sub-total (Work Item Cost)						
11.0	MECHANICAL WORKS					
	Supply and installation of all rough-in and embedded works of the building's HVAC system, as shown in plans and					
11.1	HVAC Fittings and Accessories		1.00	lot		
11.2	HVAC Equipment (excluded)					
Sub-total (Work Item Cost)						
12	PLUMBING					
	Supply and installation of of all rough-in and embedded works for plumbing, fixtures and hardwares, septic tank,					
12.1	Sanitary and Storm Drain (PVC pipes S.1000)		1.00	lot		
12.2	Cold Water Line (PPR Pipes)		1.00	lot		
12.3	Fixtures and Hardwares		1.00	lot		
12.4	Septic Tank and Catch Basins		1.00	lot		
12.5	Pump and Water Tanks		1.00	lot		
Sub-total (Work Item Cost)						
13.0	ELECTRONIC WORKS					
	Includes installation of Fire detection and Alarm system, Data, Telephone and CCTV network cables including testing					
13.1	Fire Detection and Alarm System		1	lot		
13.2	IP-Based CCTV System (camera units excluded)		1	lot		
13.3	LAN and WIFI System (UPS units excluded)		1	lot		
Sub-total (Work Item Cost)						
TOTAL BUILDING COST						
BREAKDOWN OF BUILDING COST:						
	DIRECT COST			Materials		
				Labor		
				Equipment		
				TOTAL		
	INDIRECT COST			O.C.M. & Profit		
				Tax		
				TOTAL		
TOTAL PROJECT COST						

Total bid cost in words:

---



---