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Project Title: REHABILITATION/IMPROVEMENT OF BUILDING I (Industrial Technology Building) Phase I
Owner : ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAGAO CAMPUS
Location: MIAG-AO, ILOILO
Approved Budget Cost: Php 7,000,000.00
Funding Source: Fund 101 (CO)

Subject: BILL OF QUANTITIES AND COSTS

Item	Description	Qty	Unit	Unit Price	Total Amount (Php)
I	GENERAL REQUIREMENTS				
a	Temporary Facilities				
	Electricity/water Utilities/Bunk House and Site Enclosure		lot		
b	Professional Fees, Processing of Permits, As Built Plans and Testing of Materials				
	Professional Fees for seven (7) sets of complete plans (signed & sealed), Building & Occupancy Permit Forms & Construction Specifications (signed & sealed), Completion/Testing/Commissioning/ Final Inspection and project Acceptance Certification (Signed and Seal)		lot		
	Processing of Demolition, Building and Occupancy Permit including Fire Safety Evaluation Certification (FSEC) and Fire Safety Inspection Certification (FSIC) (inc penalties), Testing of materials, Seven (7) sets of As Built Plans & Project Construction Signages		lot		
c	Occupational Safety & Health Provision (Including safety signages)		lot		
	Material Cost				
	Labor Cost				
	Direct Cost				
	Indirect Cost				
	VAT				
	Sub Total				
II	SITE WORK				
	Demolition and hauling of existing structure of existing 3 rooms including rear extension		lot		
	Site clearing, Grubbing and Layout		sq.m		
	Excavation		cu.m		
	Gravel Base		cu.m		
	Filling and compaction (FDT required)		cu.m		
	Soil Treatment (by certified Pest Controller)		sq.m		
	Labor Cost				
	Direct Cost				
	Indirect Cost				
	VAT				
	Sub Total				

Item	Description	Qty	Unit	Unit Price	Total Amount (Php)
III	CONCRETE WORKS				
1	Foundation, FTB, TB, GB & WF (3000psi)				
	Portland Cement		bags		
	Screened Gravel		cu.m.		
	Washed sand		cu.m.		
	Rebars (grade 40)				
	16mmø x 6.0m Deformed bars		lgth		
	12mmø x 6.0m Deformed bars		lgth		
	10mmø x 6.0m Deformed bars		lgth		
	Hacksaw blade		pcs		
	# 16 G.I. Tie Wire		kl		
2	Columns				
	Portland Cement		bags		
	Screened Gravel		cu.m.		
	Washed sand		cu.m.		
	Rebars				
	25mmø x 6.0m Deformed bars (Grade 60)		lgth		
	20mmø x 6.0m Deformed bars (Grade 60)		lgth		
	10mmø x 6.0m Deformed bars		lgth		
	12mmø x 6.0m Deformed bars		lgth		
	Hacksaw blade		pcs		
	# 16 G.I. Tie Wire		kl		
3	Ground Floor Slab (3000 psi)				
	Portland Cement		bags		
	Screened Gravel		cu.m.		
	Washed sand		cu.m.		
	12mmø x 6.0m Deformed bars		lgth		
	# 16 G.I. Tie Wire		kgs		
	Hacksaw blade		pcs		
4	2nd floor beam, cantilever beam & concrete canopy				
	Portland Cement		bags		
	Screened Gravel		cu.m.		
	Washed sand		cu.m.		
	Hacksaw blade		pcs		
	Rebars				
	16mmø x 6.0m Deformed bars		lgth		
	12mmø x 6.0m Deformed bars		lgth		
	10mmø x 6.0m Deformed bars		lgth		
	# 16 G.I. Tie Wire		kl		
5	2nd Floor Slab (3000 psi) (two-way Slab)				
	Portland Cement		bags		
	Cement water proofing compound 908 grams		packs		
	Screened Gravel		cu.m.		
	Washed sand		cu.m.		
	12mmø x 6.0m Deformed bars		lgth		
	# 16 G.I. Tie Wire		kgs		
	Hacksaw blade		pcs		
	Waterproofing of 2nd floor slab (2 coat)		pail		
Material Cost					
Labor Cost					
Direct Cost					
Indirect Cost					
VAT					
Sub Total					

Item	Description		Qty	Unit	Unit Price	Total Amount (Php)
IV		FORM WORKS AND SCAFFOLDING				
		Web steel deck 1.0 mm thk		ln.m.		
		19mmØ x 95mm shear studs		pcs		
		edge trim, restraint strap and accessories		lot		
		3/8" Ordinary Plywood		pcs		
		2" x 2" x 12' Coco Lumber		pcs		
		2" x 3" x 12' Coco Lumber		pcs		
		Assorted Common Nails		kgs		
		Assorted Concrete Nails		kgs		
		Bamboo Pole		pcs		
Material Cost						
Labor Cost						
Direct Cost						
Indirect Cost						
VAT						
Sub Total						
V		MASONRY				
	1	Unit Masonry				
		4" CHB		pcs		
		6" CHB		pcs		
		Porland Cement		bags		
		10mmØ x 6.0m Deformed bars		lgth		
		Screened Gravel		cum		
		Washed sand		cum		
		# 16 G.I. Tie Wire		kl		
Material Cost						
Labor Cost						
Direct Cost						
Indirect Cost						
VAT						
Sub Total						
VI		ROOF FRAMING				
		6mm thk 3" x 3" x 6m angle bar		lgth		
		6mm thk 2" x 2" x 6m angle bar		lgth		
		6mm thk 1" x 1" x 6m angle bar		lgth		
		3/4" x 10" anchor bolt w/ bolt, nut & washer		set		
		120mm x 120mm x 6 mm thk base plate w/ 4 holes		pcs		
		20mmØ turn buckles with Rod		pcs		
		1.5mm thk 2"x 4" x 6m c purlins		lgth		
		12mmØ x 6.0m Deformed bars (L web bar,tie rod, cleats)		lgth		
		1" x 1/2 thk flat bar		lgth		
		E6013 Welding Rod		box		
		Epoxy Primer Grey		gal		
		Epoxy Reducer		gal		
		Lacquer Thinner		gal		
		2" Paint Brush		pcs		
		4"Ø Grinding Stone		pcs		
		4"Ø Steel Cutting Disk		pcs		
		4" Baby Roller		pcs		
		Hardware and accessories		lot		

		Material Cost			
		Labor Cost			
		Direct Cost			
		Indirect Cost			
		VAT			
		Sub Total			
VII		THERMAL AND MOISTURE PROTECTION			
	1	Roofing			
		0.5mm thck Pre painted twin rib type long span roofing 1.0 e.c.		lm	
		Aluminum Insulation @ 100/lm (double sided)		lm	
		0.5mm x 0.6 x 2.40m Pre painted box type gutter		pcs	
		Aluminum leaf mesh net gutter guard w/ nails spike		lot	
		0.5mm x 0.4 x 2.40m Pre painted fascia flashing 4 bends		pcs	
		0.5mm x 0.4 x 2.40m Pre painted end flashing 4 bends		pcs	
		0.5mm Pre painted wall flashing		pcs	
		5/32" x 1/2" Alum Blind Rivets		boxes	
		2" Tex Screw		pcs	
		2" Concrete Nails		kls	
		Gutter Seal		ltrs	
		Silicon Sealant		tubes	
		5/32" Drill Bit		pcs	
		Hardwares and accessories		lot	
		Material Cost			
		Labor Cost			
		Direct Cost			
		Indirect Cost			
		VAT			
		Sub Total			
VIII		CEILING			
	1	Plain Ceiling (all rooms including front hallway and roof perimeter ceiling)			
		4' x 8' marine plywood 1/4" thk		shts	
		Ceiling Frame & hanger 20', 0.5 mm thk metal furring double		lgths	
		1" x 1" x 20', 0.8 mm thk furring carrier		lgths	
		2.4M wall angle 0.5 mm thk		lgths	
		w clip		pcs	
		5/32" x 1/2" Blind Rivets		boxes	
		5/32"ø Drill Bit		pcs	
		gypsum black screw 1"		pcs	
		1" Concrete Nail		kls	
		GA 12 G. I. Tie Wire		kls	
		hardware and accessories		lot	
		Material Cost			
		Labor Cost			
		Direct Cost			
		Indirect Cost			
		VAT			
		Sub Total			
IX		GLASS SLIDING WINDOW & ALL DOORS			
	1	GLASS WINDOW			
	W1	1.60m x 1.20m sliding window, 3/16" thick glass in aluminum frame with complete accessories and painted round steel grills		units	

	W2	2.00m x 1.20m sliding window, 3/16" thick glass in aluminum frame with complete accessories and painted round steel grills		units		
	W3	3.00m x 1.20m sliding window , 3/16" thick glass in aluminum frame with complete accessories		units		
	W4	0.95m x 1.20m sliding window , 3/16" thick glass in aluminum frame with complete accessories		units		
	2	DOORS				
	D1	1.00m x 2.10m steel door with steel jamb and w/complete accessories		sets		
	D3	1.60m x 2.10m varnished double solid wood panel door in steel jamb w/ 2 sets handle and dead bolt lock with complete accessories		units		
Material Cost						
Labor Cost						
Direct Cost						
Indirect Cost						
VAT						
Sub Total						
X		FINISHES				
	1	Finishes (Two faces of the wall) 16mm thk mix 1:2				
		Portland Cement		bags		
		fine sand		cum		
	2	Tile Works (ground floor) including front hallway				
		60 x 60 semi-polished floor tiles (Including hallway)		pcs		
		tile adhesive		bags		
		tile grout		kls		
		portland cement		bags		
Material Cost						
Labor Cost						
Direct Cost						
Indirect Cost						
VAT						
Sub Total						
XI		PAINTING				
	1	Ceiling				
		Flat Latex Paint		pail		
		6" Roller Brush		pcs		
		Patching Compound		sack		
		2" Paint Brush		pcs		
		#80 Water Proof Sand Paper		ft		
		4" Baby Roller		pcs		
	2	Concrete Wall (interior/exterior)				
		Flat Wall Latex Paint		pail		
		Semi Gloss Latex Paint (shade varies)		pail		
		Masonry Neutralizer 3.7 Liters		gal		
		#80 water proof sand paper		ft		
		#100 water proof sand paper		ft		
		Patching Compound		sack		
Material Cost						
Labor Cost						
Direct Cost						
Indirect Cost						
VAT						
Sub Total						

Item	Description	Qty	Unit	Unit Price	Total Amount (Php)
XII	Plumbing Works				
	3" PVC Sanitary S1000		lengths		
	3" PVC sanitary elbow		pcs		
	4" PVC Sanitary S1000		lengths		
	Reducer 4" x 3"		pcs		
	300ml PVC solvent cement		can		
	support strap for pipes		lot		
	hardwares and accessories (screws, nails, etc.)		lot		
	Material Cost				
	Labor Cost				
	Direct Cost				
	Indirect Cost				
	VAT				
	Sub Total				
XIII	ELECTRICAL				
	Panel Board 9 holes center main w/ 150 Amp main 3P CB bolt-on w/ 8 branches, 4 - 2P/40A CB, 1 - 3P/40A CB, 1- 2P/50A CB, 1-2P/80A CB, 1-2P/30A CB (for spare)		set		
	Panel Board 7 holes center main w/ 30 Amp main 3P CB bolt-on w/ 6 branches, 2 - 2P/15A CB, 3- 2P/20A CB, 1-2P 30A CB (for spare)		sets		
	Panel Board 7 holes center main w/ 30 Amp main 3P CB bolt-on w/ 6 branches, 2 - 2P/15A CB, 1- 2P/20A CB, 1- 3P/20A CB (for ACU), 2-2P 30A CB (for spare)		sets		
	Panel board 3 holes w/ 30 Amp main CB bolt-on w/ 2 branches, 2 - 2P/20A CB		sets		
	70 mm² THW wire		mtrs		
	2.0mm² THHN		box		
	2.0mm² THHN /green		box		
	3.5mm² THHN /green		box		
	3.5mm² THHN		box		
	5.5mm² THHN		box		
	5.5mm² THHN		box		
	8" Recessed Slim LED Downlight 18W square, AC 220V, 60Hz, IP 40 (indoor), 1001 Lumens (good quality/heavy duty)(daylight)		set		
	Rechargeable twin head emergency lamp (per room)		set		
	Industrial Exhaust Fan, 12" (405mm) 4-leaf metal fan blade 145W		set		
	single switch concealed		sets		
	2-gang switch concealed		sets		
	3-gang switch concealed		sets		
	single C.O concealed (Universal type) w/ ground, 3 prong wide series (for emergency light per room)		pcs		
	Installation of existing aircon unit		lot		
	duplex C.O concealed (Universal type) w/ ground, 3 prong wide series		pcs		
	2"x 4" utility box PVC		pcs		
	4"x 4" junction box PVC		pcs		
	20mmø uPVC pipe		pcs		
	50mmø uPVC pipe		pcs		
	300ml PVC solvent cement		can		
	electrical tape (big)		pcs		
	18" orbit ceiling fan heavy duty/ high quality		set		
	FDAS Panel (4 zones, 2 sets fire alarm bell 6" dia.) 2-Break Glass Call Point Manual Push button and 6-sets smoke detector complete with accessories		lot		
	hardwares and accessories (screws, nails, etc.)		lot		

Material Cost		
Labor Cost		
Direct Cost		
Indirect Cost		
VAT		
Sub Total		
TOTAL PROJECT COST		
BREAKDOWN OF THE TOTAL PROJECT COST		
TOTAL DIRECT COST	Total Material Cost	
	Total Labor Cost	
	DIRECT COST	
TOTAL INDIRECT COST	INDIRECT COST	
	VAT	
TOTAL PROJECT COST (PhP)		

Prepared by:

Submitted by:

Contractor/Bidder

