

[Bidder's Letterhead]

[Date]

To: Tarlac State University

Re: [Invitation to Bid No.]

BILL OF QUANTITIES

Item No.	Work Description	Materials		Work Item		Direct Cost	Indirect Cost	Total Direct & Indirect Cost	Value Added Tax	Total Cost
		Quantity	Unit	Quantity	Unit	Materials, Labor, & Equipment	Overhead, Contingencies, Miscellaneous, & Profit			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	GENERAL REQUIREMENTS									
1.1	Mobilization & Demobilization			1	lot					
1.2	Construction Occupational Safety & Health			1	lot					
1.3	Project Billboard, Temporary Facilities, and Barricade			1	lot					
1.4	Permits and Clearances			1	lot					
								Sub-Total		
2.	DEMOLITION, HAULING, DISPOSAL, AND REPAIR WORKS									
2.1	Demolition/Removal of Existing Structure (concrete wall,existing doors & window, existing ceiling, existing floor & wall tiles, existing fixtures, scraping of existing paint, drilling of hole for downspout, etc.)			1	lot					
2.2	Hauling and Disposal of Debris and Scrap Materials from Affected Areas			1	lot					
2.3	Repair of All Affected/Damaged Areas (repair and plastering of walls, repair and repainting of doors and jambs and replacement of heavy duty doorknobs, additional frosted tint and replacement of roller guides and door track for existing aluminum sliding door, repair and repainting of existing steel gate with replacement of screen door. etc.)			1	lot					
								Sub-Total		
3.	STEEL AND TINSMITHRY WORKS									
3.1	0.50 mm thk. Pre-Painted Metal Roofing (Long Span, Rib Type)			1	lot					
3.2	0.50 mm thk. Pre-Painted Metal Roofing Accessory (Ridgeroll)			1	lot					
3.3	10 mm thk. Aluminum Film Laminated Foam Single Side with 12.5 mm Welded Wire (Gauge 21)			1	lot					
3.4	2" x 4" x 1.50 mm thk. C-Purlins (coated with metal primer) including 12mmø round bar sag rod			1	lot					
								Sub-Total		
4.	FINISHING WORKS									

4.1	600 mm x 600 mm Glazed Porcelain Floor Tiles (including adhesive, grout, and topping)			206.42	m ²					
4.2	600 mm x 600 mm Non-Skid Porcelain Floor Tiles (including adhesive, grout, and topping)			40.20	m ²					
4.3	300 mm x 600 mm Non-Skid Porcelain Floor Tiles (including adhesive, grout, and topping)			21.96	m ²					
4.4	300 mm x 600 mm Glazed Porcelain Wall Tiles (including adhesive, grout, and topping)			96.36	m ²					
4.5	300 mm x 600 mm Slate Wall Tiles (including adhesive, grout, and topping)			3.24	m ²					
4.6	Application of Cement Based Waterproofing for concrete gutter & roof deck (5 coats)			1	lot					
Sub-Total										
5.	CEILING WORKS									
5.1	4.5 mm thk. Ficem Board Ceiling System			70.06	m ²					
5.2	9.0 mm thk. Gypsum Board Ceiling System			248.67	m ²					
Sub-Total										
6.	PAINTING WORKS									
6.1	Flat Latex Smooth Paint Finish: Ceiling (surface preparation, primer, and top coat)			559.63	m ²					
6.2	Semi-Gloss Latex Smooth Paint Finish: Interior and Exterior Walls (surface preparation, primer, and top coat)			2028.00	m ²					
Sub-Total										
7.	FURNISHINGS									
7.1	Fabrication and Installation of Cabinet (3/4" thk. marine plywood with 3/4" thk. wood edging, automotive lacquer paint finish, and complete accessories)			5	set					
7.2	Fabrication and Installation of Hanging Cabinet (3/4" thk. marine plywood with 3/4" thk. wood edging, automotive lacquer paint finish, and complete accessories)			5	set					
7.3	0.45 m x 0.15 m x 3 mm thk. Clear Acrylic Glass Signage including Proportioned Lettering with 2-8 mm x 17 mm Fixing Bolt Screw			17	set					
7.4	0.45 m x 0.15 m x 3 mm thk. Clear Acrylic Glass Signage including Glow in the Dark Sticker with 2-8 mm x 17 mm Fixing Bolt Screw			2	set					
7.5	Repair & Repolishing of Stainless "Research Extension & Development Center" Signage			1	lot					
Sub-Total										
8.	DOORS, WINDOWS, DRYWALL, AND PARTITION									
8.1	D1- 2.17 m width x 2.50 m height White Powder Coated Aluminum Frame Sliding Door with 10 mm thk. Clear Tempered Glass, Frosted Tint, and complete accessories			1	set					

8.2	D2- 0.90m. width x 2.10 m. height Double Swing Frameless Glass Door with Heavy Duty Stainless Pivot Hinges, White Powder Coated Aluminum Frame, 12mm thk. Clear Tempered Glass, Frosted Tint, 32 mm. Ø x 600 mm. S304 Heavy Duty Stainless H-type Door Handle and complete accessories			2	set					
8.3	D3- 0.80 m. width x 2.10 m. height Tanguile Single Swing Panel Door with Louver Vent, Steel Jamb, Heavy Duty Dome Type Door Knob, Heavy Duty Hinges, including complete accessories and paint finish			12	set					
8.4	D4- 1.0 m width x 2.10 m height Single Swing Double Panel Door with Steel Jamb, Heavy Duty Dome Type Door Knob, Heavy Duty Hinges, including complete accessories and paint finish			3	set					
8.5	W1- 2.0 m width x 1.10 m height White Powder Coated Aluminum Frame with 10 mm thk. Fixed Tempered Glass			1	set					
8.6	P1- 4.06 m width x 2.10 m height White Powder Coated Aluminum Frame Glass Partition with 10 mm thk. Fixed Tempered Glass, Frosted Tint, and complete accessories			1	set					
8.7	P2- 1.90 m width x 2.10 m height White Powder Coated Aluminum Frame Glass Partition with 10 mm thk. Fixed Tempered Glass, Frosted Tint, and complete accessories			1	set					
8.8	P3 - 2.40 m width x 2.10 m height Louver Partition with Center Display Rack including complete accessories and paint finish			1	set					
8.9	9 mm thk. Fiber Cement Board for Drywall Partition on Metal Framing System (Double Wall)			8.92	m ²					
8.10	Fabrication and Installation of 1.10 m (door = 0.70 m) x 1.50 m x 1.80 m x 12 mm thk. Waterproof Compact Laminated Board Cubicle Partition including hinges, two color signage lockset, 2" dia. stainless steel foot bar, and complete accessories (Male Toilet)			2	set					
8.11	Fabrication and Installation of 2.15 m (door = 0.70 m) x 1.50 m x 1.80 m x 12 mm thk. Waterproof Compact Laminated Board Cubicle Partition including hinges, two color signage lockset, 2" dia. stainless steel foot bar, and complete accessories (Female Toilet)			2	set					
8.12	Fabrication and Installation of 0.40 m x 1.0 m x 12 mm thk. Waterproof Compact Laminated Board Urinal Partition and complete accessories			4	set					
										Sub-Total
9.	ELECTRICAL WORKS									
9.1.	Lighting System			1	lot					
9.1.1	2 - 18 Watts T8 LED Tube Light with Prismatic Diffuser and Recessed Housing [Color: Daylight]	64	set							
9.1.2	9 Watts Recessed Mounted LED Panel Square Downlight [Color: Daylight]	179	set							
9.1.3	3 Watts Recessed LED Emergency Light [Ceiling Mounted]	37	set							
9.1.4	10" Exhaust Fan with 4" Ø Flexible Aluminum Ducting and Stainless Vent Pipe	11	set							
9.1.5	1 Gang Switch Wide Series with LED	14	set							
9.1.6	2 Gang Switch Wide Series with LED	19	set							
9.1.7	3 Gang Switch Wide Series with LED	1	set							

9.1.8	3 Gang 1 Way Switch Wide Series with LED	2	pc						
9.1.9	3 Gang 2 Way Switch Wide Series with LED	4	pc						
9.1.10	1/2" Ø PVC Pipe	192	pc						
9.1.11	1/2" Ø PVC Flexible Conduit (150 meters per roll)	4	roll						
9.1.12	3.5 mm ² Cu. THHN/THWN (STR)	20	box						
9.1.13	2"x 4" PVC Utility Box	40	set						
9.1.14	4" x 4" PVC Junction Box	300	set						
9.2.	Power System			1	lot				
9.2.1	Universal Duplex Convenience Outlet (Wall Mounted)	63	set						
9.2.2	1/2" Ø PVC Pipe	154	pc						
9.2.3	3.5 mm ² Cu. THHN/THWN (STR)	10	box						
9.2.4	2"x 4" PVC Utility Box	70	set						
9.2.5	30AT,2P, MCCB Bolt-On	1	pc						
9.2.6	30AT,2P, MCCB Bolt-On with NEMA-3R Enclosure	2	set						
9.3.	Auxiliary System			1	lot				
9.3.1	6U Data Cabinet with Power Distribution Unit and complete accessories	5	set						
9.3.2	2 Gang Category 6 LAN Outlet (Wall Mounted)	19	set						
9.3.3	3/4" Ø PVC Molding	24	pc						
9.3.4	3/4" Ø PVC Pipe	31	pc						
9.3.5	1/2" Ø PVC Pipe	26	pc						
9.3.6	Category 6 UTP Cable	2	box						
9.3.7	1.25 mm ² TF Wire (STR & Twisted Two-conductor)	1	box						
9.3.8	4" x 4" PVC Square Box	20	set						
9.3.9	2"x 4" PVC Utility Box	30	set						
									Sub-Total
10.	PLUMBING WORKS								
10.1.	Waste Pipes and Fittings			1	lot				
10.1.1	100 mm Ø S1000 PVC Pipe	41.00	m						
10.1.2	75 mm Ø S1000 PVC Pipe	10.00	m						
10.1.3	50 mm Ø S1000 PVC Pipe	21.00	m						
10.1.4	100 mm Ø Cleanout with Brass Cover	5	pc						
10.1.5	100 mm Ø Cleanout with cover	4	pc						
10.1.6	75 mm Ø Cleanout with Brass Cover	2	pc						
10.1.7	75 mm Floor Drain P-trap	9	set						
10.1.8	50 mm Ø Dome-type Roof Drain Stainless Mesh Cap Strainer	2	pc						
10.1.9	100 mm Ø Dome-type Roof Drain Stainless Mesh Cap Strainer	16	pc						
10.1.10	Assorted Fittings (elbow, tee, adaptor, cap, coupling, etc.)	1	lot						
10.2.	Vent Pipes and Fittings			1	lot				
10.2.1	50 mm Ø S1000 PVC Pipe	56.00	m						


10.2.2	Assorted Fittings (elbow, tee, adaptor, cap, coupling, etc.)	1	lot						
10.3.	Cold Water Supply System			1	lot				
10.3.1	20 mm Ø PPR Pipe PN20	23.00	m						
10.3.2	25 mm Ø PPR Pipe PN20	45.00	m						
10.3.3	32 mm Ø PPR Pipe PN20	75.00	m						
10.3.4	63 mm Ø PPR Pipe PN20	26.00	m						
10.3.5	32 mm Ø PPR Gate Valve	5	pc						
10.3.6	Assorted Fittings (elbow, tee, adaptor, cap, coupling, etc.)	1	lot						
10.4.	Main Water Supply and Pump System			1	lot				
10.4.1	63 mm Ø HDPE Pipe PE100 SDR 09 (including excavation, backfilling and compaction; demolition and repair/restoration of affected plant boxes and road pavements)	145.00	m						
10.4.2	50 mm Ø Water Flow Meter Heavy Duty 10bars Cast Iron Body, Dry dial Flange type with Flanges bolts nuts and gasket brand new (Household Multi-Jet Dry type) sub meter register in cubic meter heavy duty	1	pc						
10.4.3	50 mm Ø Heavy Duty Brass Body Gate Valve Threaded Type	1	pc						
10.4.4	50 mm Ø Heavy Duty Brass Body Check Valve Threaded Type	1	pc						
10.4.5	4" x 2" Ø uPVC Saddle Clamp	1	pc						
10.4.6	63 mm Ø PPR Gate Valve	4	pc						
10.4.7	63 mm Ø PPR Check Valve	3	pc						
10.4.8	2.00 HP Inverter-Controlled Constant Pressure Pump (Contains 1VFD motor, stainless steel horizontal multi-staged centrifugal pump, baseplate, GI pipes & fittings, 2-1/2" Check Valve, 2-1/2" Gate Valve, Pressure Gauge, Pressure Switch, Pressure Transmitter, 20-L Diaphragm Pressure Tank, and an Inverter in a Control Panel-Standard Mechanical Seal)	1	set						
10.4.9	700 Gallons S304 Stainless Steel Vertical Cylindrical Water Storage Tank with complete stainless steel accessories, including a stainless steel float valve, stainless steel stand and stainless steel ladder	1	set						
10.4.10	Assorted Fittings (union patente, elbow, tee, adaptor, cap, coupling, etc.)	1	lot						
10.5.	Pump House			1	lot				
10.5.1	Excavation	3.00	m ³						
10.5.2	Concrete Works including reinforcement	1.25	m ³						
10.5.3	4" CHB Wall (including tie wire, mortar and 10mm Ø steel reinforcement every three layer of CHB layer and 0.60m vertical spacing)	2.70	m ²						
10.5.4	Cement Plastering of wall and columns	9.36	m ²						
10.5.5	8" x 8" Glass Window Blocks (including grout)	0.60	m ²						
10.5.6	Semi-Gloss Latex Smooth Paint Finish: Wall and columns (surface preparation, primer, and top coat)	9.36	m ²						
10.5.7	2" x 4" x 1.50 mm thk. Tubular Steel Rafter and Beam	11.00	m						
10.5.8	2" x 3" x 1.50 mm thk. C Purlins	22.00	m						
10.5.9	2" x 10" x 1.50 mm thk. C Purlins	8.00	m						

10.5.10	1 " X 1 " x 3.5 mm thk. Angle Bar Cleats	3	m						
10.5.11	0.50mm thk Prepainted Rib Type Roofing	15	m						
10.5.12	0.40mm thk Prepainted G.I Sheet Wall Flashing	3	m						
10.5.13	0.40mm thk Prepainted G.I Sheet End Flashing	8	m						
10.5.14	Consumables (Welding Rods, Sealant, Tek screw and Blind Rivets, etc.)	1	lot						
10.6.	Plumbing Fixtures, Toilet Partition and Plumbing Accessories			1	lot				
10.6.1	Water Closet Dual Flush, push button type w/ heavy duty stainless Bidet Faucet and complete accessories- 4/6 liters standard or equal water closet pan and cistern complete with heavy duty soft closing seat and cover (water saving)	9	set						
10.6.2	Wall Hung Urinal- (L 400 mm x W 320 mm x H 565 mm) top inlet urinal water saving w/ button type flush valve 0.8Gpf manual automatic shutoff and complete accessories (valve, etc.)	4	set						
10.6.3	Wall Hung Lavatory with manual shutoff single handle type faucet S304 stainless finish and complete accessories (valve, bottle trap, etc.)	1	set						
10.6.4	Rectangular Vessel Lavatory Sink with manual shutoff single handle type faucet S304 stainless finish and complete accessories (valve, bottle trap, etc.)	4	set						
10.6.5	2.15 m length x 0.60 m width with 82cm x 45cm x 22cm Stainless Kitchen Sink with retractable draining basket, gooseneck manual shutoff faucet and complete accessories (valve, bottle trap, etc.) including granite finish porcelain tiles, structural & masonry works	1	set						
10.6.6	1.10 m length x 0.40 m width Concrete Countertop finished with Black Blue Emerald Solid Granite	4	set						
10.6.7	Heavy Duty Stainless S304 Tissue Holder	9	set						
10.6.8	1.10m x 0.60m x 6mm thk. Beveled Edge Lead Free Mirror with 20 mm Ø S304 Stainless Mirror Holder	4	set						
10.6.9	20 mm Ø Hosebibb Heavy-duty stainless S304 body with Thread	5	set						
10.6.10	100 mm x 100 mm Stainless Floor Drain	9	set						
10.7.	Leaching Chamber 3			1	lot				
10.7.1	Excavation	5.50	m ³						
10.7.2	Concrete Works including 10mm Ø reinforcement	1.96	m ³						
10.7.3	Waterproofing of inside perimeter wall and floor (surface preparation, application of 3 coats of cementitious waterproofing)	13.55	m ²						
10.7.4	Plastering (interior wall)	11.20	m ²						
10.7.5	Manhole	1	set						
10.7.6	Scaffolding and Formworks	1	lot						
10.7.7	PVC Pipes and Fittings	1	lot						
10.8.	Septic Tank			1	lot				
10.8.1	Siphoning of existing septic tank	1	lot						
									Sub-Total

[Signature]

[Name of Authorized Signatory]

[Position/Title of Authorized Signatory]


Jimilaga Arsi