REPAIR AND IMPROVEMENT OF THE ROOFING OF GERONIMA T. PECSON HALL (MAIN BUILDING)

GUILLAND CONSTRUCTION & TRADING

Financial Specification
(As per Bid Document)

Item No.	DESCRIPTION	Quantity	Unit	Unit Cost (PhP)	Amount (PhP)
I	**GENERAL REQUIREMENTS**				
1	Mobilization and demobilization	1	lot	195,000.00	195,000.00
2	Construction health and safety provision	1	lot	336,000.00	336,000.00
3	Temporary facilities	1	lot	175,000.00	175,000.00
4	Scaffolding works	1	lot	445,000.00	445,000.00
4	Tarpaulin billboard	1	lot	4,000.00	4,000.00
	Subtotal (General Requirements)				**1,155,000.00**
II	**STRUCTURAL WORKS**				
1	**Site Preparation Works**				
1.01	Orderly removal, hauling, and stockpiling of clay roof tiles	1	lot	644,688.00	644,688.00
1.02	Removal of battens and other dilapidated clay roofing tile accessories	1	lot	133,565.60	133,565.60
1.03	Removal of ceiling, including all unnecessary attachments	1	lot	308,935.20	308,935.20
1.04	Demolition of mezzanine at Rooms 304 and 304A	1	lot	34,303.50	34,303.50
1.05	Removal of paint and loose plasters of gable walls facing the roof	1	lot	7,571.60	7,571.60
1.06	Declogging of existing roof and deck drains	1	lot	10,858.00	10,858.00
1.07	Disposal of debris and site cleanup	1	lot	347,544.00	347,544.00
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2	**Steel Works (submit technical data sheet)**				-
2.01	Metal battens, 23 x 0.6mm, 5.0m L	270		350.00	94,500.00
2.02	Hat-type purlins, 45 x 0.8mm, 6.0m L	1,870.00		560.50	1,048,135.00
2.03	Ceiling support: LC 100 x 50 x 15 x 1.5, 6.0m L (sp. @1.20m O.C.)	280	pcs	525.45	147,126.00
2.04	Epoxy primer and rust remover for new and existing metal framing @ ±3000 sq.m. (verify)	1	lot	270,000.00	270,000.00
2.05	Labor and equipment	1	lot	467,627.21	467,627.21
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3	**Roof Deck**				-
3.01	Concrete topping, 50mm thk using G-3/8 crushed gravel, job-mix (1:2:4 by volume)	4	cu.m.	6,030.75	24,123.00
3.02	Welded wire mesh reinforcement, 150 x 150 x 6.0mm	75.3	sq.m.	175.75	13,233.98
3.03	Low viscosity concrete epoxy for bonding concrete topping to existing concrete slab/waterproofing	6	gal	4,797.00	28,782.00
3.04	Labor and equipment	1	lot	22,061.20	22,061.20
	Subtotal (Structural Works)				**3,603,054.29**
III	**ARCHITECTURAL WORKS**				
1	**Various Repair Works**				
1.01	Repair and/or replacement of damaged portions of wooden deck/undersheeting @ approx 5% of total area	1	lot	115,819.20	115,819.20
1.02	Replacement of dilapidated manhole frame using S/S 304 L 50 x 50 x 4.5mm, 6.0m L	1	lot	7,172.55	7,172.55
1.03	Replacement of manhole cover using 6.0mm thk solid polycarbonate sheet in S/S 304 L 50 x 50 x 4.5mm frame, approx. 1.00m x 1.00m	1	lot	17,784.90	17,784.90
1.04	Gable wall repair/replastering works @ ±60 sq.m.	1	lot	11,907.00	11,907.00
1.05	Repair and/or replacement of broken/dilapidated parts of existing wooden fascia boards and truss/rafter tails	1	lot	88,971.75	88,971.75
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2	**Waterproofing Works**				-
2.01	Polyurethane-based liquid-applied waterproofing membrane (min. 2 coats) on roof deck and gable walls	134.7	sq.m.	1,119.40	150,783.18
2.02	Elastomeric paint on gable walls @ ±60 sq.m.	1	lot	12,159.00	12,159.00
2.03	Labor and equipment	1	lot	48,592.35	48,592.35
3	**Roofing Works (submit technical data sheet)**				
3.01	Stone-coated metal tile roof, 0.5mm thk, (verify color)	3,226.30	sq.m.	1,401.25	4,520,852.88
3.02	Stone-coated ridge cap, 8' x 18" x 0.5mm	120	pcs	1,197.00	143,640.00
3.03	Stone-coated wall flashing, 8' x 18" x 0.5mm	35	pcs	1,197.00	41,895.00
3.04	Stone-coated valley gutter, 8' x 18" x 0.5mm	51	pcs	1,197.00	61,047.00
3.05	Customized stone-coated Spanish gutter, cut from 8' x 36" x 0.6mm	181	pcs	2,536.50	459,106.50
3.06	Stainless steel inside gutter, 8' x 24" x 0.6mm	12	pcs	1,871.50	22,458.00
3.07	Waterproof underlayment: 30RF standard roofing felt	3,226.30	sq.m.	218.50	704,946.55
3.08	Miscellaneous and consumables	1	lot	182,362.00	182,362.00
3.09	Labor and equipment	1	lot	1,917,391.03	1,917,391.03
4	**Ceiling Works**				
	Hallway Ceiling: Flat Ceiling				
4.01	4.5mm thk fiber cement board	497	sq.m.	189.00	93,933.00
4.02	Light gauge metal framing spaced at 0.40m O.C.	497	sq.m.	157.50	78,277.50
4.03	Hangers and supports: Ø10 GI threaded rod and accessories	1	lot	36,171.00	36,171.00
4.04	Labor and equipment	1	lot	61,926.90	61,926.90
	Room Ceiling: T-Runner Ceiling System				-
4.05	4.5mm thk fiber cement board cut to 600 x 600mm tiles	1,038.30	sq.m.	189.00	196,238.70
4.06	Tee-runner ceiling suspension ceiling grid system, HD hot-	1,038.30	sq.m.	225.00	233,617.50

4.06	dipped galvanized steel		sq.m.	225.00	-
4.07	Hangers and supports: Ø10 GI threaded rod and accessories	1	lot	79,524.00	79,524.00
4.08	Labor and equipment	1	lot	151,239.10	151,239.10
	Main Auditorium Ceiling: Recessed Ceiling (Same design as existing)				-
4.05	4.5mm thk fiber cement board	318.6	sq.m.	243.00	77,419.80
4.06	Light gauge metal framing spaced at 0.40m O.C.	318.6	sq.m.	189.00	60,215.40
4.07	Hangers and supports: Ø10 GI threaded rod and accessories	1	lot	27,526.50	27,526.50
4.08	Wood cornices and mouldings (same design as existing)	135.1	l.m.	612.00	82,681.20
4.09	Labor and equipment	1	lot	80,041.02	80,041.02
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4	**Painting/Repainting Works**				-
4.01	Repainting of existing wooden fascia boards and soffit (at eaves), including truss/rafter tails @ ±2000 sq.m.	1	lot	243,750.00	243,750.00
4.02	Painting of auditorium ceiling, semi-gloss/flat latex	340.1	sq.m.	195.00	66,319.50
4.03	Painting of auditorium wood mouldings and cornices, quick-dry enamel	1	lot	9,876.75	9,876.75
4.04	Labor and equipment	1	lot	125,309.13	125,309.13
	Subtotal (Architectural Works)				**10,210,955.89**
IV	**PLUMBING WORKS**				
1	**Repair and Adjustment of Downspouts**				
1.01	PVC pipe, Ø150mm x 3.0m L (submit technical data sheet)	8	pcs	2,242.50	17,940.00
1.02	PVC pipe, Ø100mm x 3.0m L (submit technical data sheet)	8	pcs	745.88	5,967.04
1.03	PVC fittings and accessories	1	lot	5,976.75	5,976.75
1.04	Customized downspout clamps made from 50 x 6.0mm flat bars @ ±1,200 sets (submit technical data sheet)	1	lot	135,622.50	135,622.50
1.05	Labor and equipment	1	lot	72,622.44	72,622.44
2	**Roof Drains and Accessories**				-
2.01	Aluminum mesh gutter guard @ 6" x 20' per roll	65	rls	360.75	23,448.75
2.02	T304 s/s gutter/downspout strainer	66	pcs	633.75	41,827.50
2.03	Parapet roof drain with angled strainer, heavy duty stainless- steel or cast aluminum finish	2	sets	1,901.25	3,802.50
2.04	Labor and equipment	1	lot	20,237.05	20,237.05
	Subtotal (Plumbing Works)				**327,444.53**
V	**ELECTRICAL WORKS (submit technical data sheet)**				
1	**Roughing-ins**				
1.01	40 mm Φ PVC pipe	20	pcs	339.83	6,796.60
1.02	25 mm Φ PVC pipe	350	pcs	216.92	75,922.00
1.03	20 mm Φ PVC pipe	824	pcs	173.33	142,823.92
1.04	15 mm Φ flexible metal	300	lm	96.42	28,926.00
1.05	4" x 4" metal junction box ga. 16 w/ cover	250	pcs	84.77	21,192.50
1.06	2" x 4" metal utility box ga. 16	100	pcs	66.71	6,671.00
1.07	20 mm Φ PVC male adaptor w/ locknut	498	pcs	22.92	11,414.16
1.08	25 mm ΦPVC male adaptor w/ locknut	285	pcs	37.65	10,730.25
1.09	15 mm Φ connector w/ locknut and bushing	300	pcs	25.87	7,761.00
1.1	3/8" full thread rod	200	pcs	368.14	73,628.00
1.11	3/8" nut and washer	1,500.00	pcs	11.14	16,710.00
1.12	2"x2" angle bar	100	pcs	1,104.43	110,443.00
1.13	welding rod	35	kgs	73.63	2,577.05
1.14	G.I. pull wire	50	kgs	198.86	9,943.00
1.15	Heat Gun	3	pcs	3,201.25	9,603.75
1.16	25 mm Φ U-Bolt	400	pcs	22.92	9,168.00
1.17	20 mm Φ U-Bolt	950	pcs	18.44	17,518.00
1.18	hacksaw blade	10	pcs	73.63	736.30
1.19	Labor and equipment	1	lot	163,303.36	163,303.36
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2	**Wires and Accessories (submit technical data sheet)**				-
2.01	250sqmm THHN Stranded Wire RYB	99	lm	4,678.75	463,196.25
2.02	125sqmm THHN Stranded Wire RYB	30	lm	1,910.90	57,327.00
2.02	60sqmm THHN Stranded Wire Green	33	lm	803.76	26,524.08
2.03	50sqmm THHN Stranded Wire RYB	35	lm	587.06	20,547.10
2.04	14sqmm THHN Stranded Wire Green	52	lm	195.03	10,141.56
2.05	5.5sqmm THHN Stranded Wire 150 M	16	roll	11,302.88	180,846.08
2.06	3.5sqmm THHN Stranded Wire 150M	50	roll	5,466.75	273,337.50
2.07	Electrical Tape	50	pcs	64.03	3,201.50
2.08	Labor and equipment	1	lot	297,816.75	297,816.75
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3	**Wiring Devices (submit technical data sheet)**				-
3.1	One-Gang Single Switch Wide Series	7	set	223.19	1,562.33
3.2	Two-Gang Single Switch Wide Series	11	set	357.00	3,927.00
3.3	Three-Gang Single Switch Wide Series	11	set	489.54	5,384.94
3.4	Three-Gang Three Way Switch Wide Series	4	set	666.37	2,665.48
3.5	One-Gang Conveniece Outlet Wide Series	51	set	272.49	13,896.99
	Labor and equipment	1	lot	8,165.17	8,165.17
4	**Panels and Boxes (submit technical data sheet)**				
4.1	MDP-PB (Industrial type MCCB)	1	assy	900,854.60	900,854.60
	Main: 1600AT,3P,65 KAIC Industrial type				
	Branches: 2-500AT, 3P,50 KAIC 630 AF				
	2-400AT, 3P,50 KAIC 400 AF				

	2-250AT, 3P,36 KAIC 250 AF				
	2-200AT, 3P,36 KAIC 250 AF				
4.2	PPGF (Industrial type MCCB)	1	assy	290,643.31	290,643.31
	Main: 500AT,3P,50KAIC 630 AF				
	Branches: 2-200AT, 3P 36 KAIC 250 AF				
	4-160AT, 3P 36 KAIC 250 AF				
	4-100AT, 2P 30 KAIC 100AF				
4.3	LPGF (Miniature type CB)	1	assy	77,432.52	77,432.52
	Main: 100AT,3P,30KAIC 100AF MCCB				
	Branches: 2-50AT, 2P 6 KAIC MCB				
	12-20AT, 2P 6 KAIC MCB				
4.4	PP2F(Industrial type MCCB)	1	assy	109,109.73	109,109.73
	Main: 250AT,3P,36KAIC,250 AF MCCB				
	Branches: 2-160 AT, 3P 30 KAIC, 250 AF MCCB				
	4-100AT, 2P 30 KAIC, 100 AF MCCB				
	4-50AT, 2P 30 KAIC, 100 AF MCCB				
4.5	LP2F(Miniature type CB)	1	assy	67,244.57	67,244.57
	Main: 100AT,3P,30KAIC 100AF MCCB				
	Branches: 2-50AT, 2P 6 KAIC MCB				
	4-32AT, 2P 6 KAIC MCB				
	12-20AT, 2P 6 KAIC MCB				
4.6	PP3F(Industrial type MCCB)	1	assy	109,109.73	109,109.73
	Main: 250AT,3P,36KAIC,250 AF MCCB				
	Branches: 2-160 AT, 3P 30 KAIC, 250 AF MCCB				
	4-100AT, 2P 30 KAIC, 100 AF MCCB				
	4-50AT, 2P 30 KAIC, 100 AF MCCB				
4.7	LP3F(Miniature type CB)	1	assy	67,244.57	67,244.57
	Main: 100AT,3P,30KAIC 100AF MCCB				
	Branches: 2-50AT, 2P 6 KAIC MCB				
	4-32AT, 2P 6 KAIC MCB				
	12-20AT, 2P 6 KAIC MCB				
4.8	12'X 12' X 6' Pull Box	2	set	3,792.25	7,584.50
	Led Driver Panel 16"X16"X8" Powder Coated Metal Box	1	set	4,210.88	4,210.88
	Labor and equipment	1	lot	395,013.31	395,013.31
5	**Lighting Fixture and Ceiling Equipment (submit technical data sheet)**				
5.01	15 Watts LED Slim Type Recessed Downlight (DL)	46	set	1,132.75	52,106.50
5.02	30 Watts LED Slim Type Recessed Spotlight (DL)	24	set	2,117.75	50,826.00
5.03	2-18 Tubular LED in 1200 x 600 Surface Mounted Troffer Type	57	set	2,211.33	126,045.81
5.04	2-18 Tubular LED in 1200 x 600 Recessed Troffer Type Fixture	69	set	2,211.33	152,581.77
5.05	1-18 Tubular LED in 1200 x 300 Surface Mounted Troffer Type	30	set	2,019.25	60,577.50
5.06	5050, 60 LED's Cove Lights /Strip Lights 12 volts Warm White	140	lm	413.70	57,918.00
5.07	400Wattts LED Strip Lights Driver	6	set	3,196.33	19,177.98
5.08	LED Emergency Light	39	set	2,019.25	78,750.75
5.09	Lighted Exit Sign Single Face	2	set	1,920.75	3,841.50
5.1	Lighted Exit Sign Double Face	4	set	2,551.15	10,204.60
5.11	Consumables	1	lot	14,775.00	14,775.00
5.12	Labor and equipment	1	lot	188,819.51	188,819.51
5	**Testing and Commisioning (Panel and New Wirings)**				
	Insulation Test, Live Test, Current Test, Continuity Test	1	lot	132,975.00	132,975.00
6	**FDAS**				
	Dismantling and reinstallation of FDAS and public address devices	1	lot	98,500.00	98,500.00
	Subtotal (Electrical Works)				**5,169,955.26**
	TOTAL PROJECT COST				**20,466,409.96**
	INDIRECT COST				
	OCM				3,069,961.22
	Contractor's profit				2,046,640.82
	VAT				3,069,961.44
	TOTAL PROJECT COST				**28,652,973.44**

Calculated Price	28,652,973.44
Bid Price	28,652,971.41
Difference	2.03
ABC	28,804,905.67
Variance (%)	1%
Variance (amount)	151,932.23
Rank	RANK 2

Prepared by:

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