



## SCHEDULE OF RATES

Project: **Five (5) - Storey Low Rise Building**  
NCR

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT COST	TOTAL COST
<b>III.</b>	<b>LOW RISE BUILDING</b>				
<b>A</b>	<b>EARTHWORKS</b>				
	Supply all materials, labor, equipment and tools necessary for the execution and completion of earthworks including soil poisoning and other incidental works as shown in the plans & technical specifications for building.				
A.1	Foundation Excavation - Ordinary Soil Excavation	cu.m.	280.06	526.28	147,389.98
A.2	Backfill and compact trenches with excavated materials	cu.m.	184.32	693.14	127,759.56
A.3	Imported Earthfill	cu.m.	397.54	732.02	291,007.23
A.4	Gravel bedding	cu.m.	58.71	1,061.30	62,308.92
A.5	Soil Poisoning on building area, Provide warranty	sq.m	514.09	148.46	76,321.80
	<b>TOTAL EARTHWORKS</b>				<b>704,787.49</b>
<b>B</b>	<b>STRUCTURAL WORKS</b>				
	Supply of materials, labor, equipment and tools necessary for the execution and completion of concrete works, reinforcing steel bars, and structural steel framing. The works contemplated shall include the pouring of concrete for all sub-structure (foundation works and slab on fill), superstructure (columns, beams, walls, stairs and suspended slab), installation of formworks, scaffoldings, batter boards; fabrication and installation of rebars and tie wires; cutting, welding and installation of structural steel framing and other incidental works as specified and shown on plans.				
B.1	Concrete Works with Formworks				
B.1.1	Footing / Tie Beam, 3000 Psi	cu.m	102.04	8,339.14	850,925.85
B.1.2	Wall Footing, 3000 Psi	cu.m	4.50	8,339.14	37,526.13
B.1.3	Slab on Grade, 3000Psi	cu.m	57.96	8,339.14	483,336.55
B.1.4	Suspended Slab, 4000 Psi	cu.m	168.61	10,509.96	1,772,084.36
B.1.5	Columns, 4000 Psi	cu.m	109.70	10,509.96	1,152,942.61
B.1.6	Beams, 4000 Psi	cu.m	143.01	10,509.96	1,503,029.38
B.1.7	Stairs, 4000 Psi	cu.m	26.05	10,509.96	273,784.46
	<b>Subtotal - Concreting Works</b>				<b>6,073,629.34</b>
B.2	Reinforcing Steel				
B.2.1	Footing	kg	8,159.61	56.39	460,120.41
B.2.2	Wall Footing	kg	258.51	56.39	14,577.38
B.2.3	Slab on Grade	kg	1,972.96	56.39	111,255.21
B.2.4	Suspended Slab	kg	19,953.39	56.39	1,125,171.66
B.2.5	Columns	kg	24,210.05	56.39	1,365,204.72
B.2.6	Beams and Footing Tie Beam	kg	34,240.44	56.39	1,930,818.41
B.2.7	Stairs	kg	4,657.83	56.39	262,655.03
					<b>5,269,802.82</b>
	<b>TOTAL STRUCTURAL WORKS</b>				<b>11,343,432.16</b>
<b>C</b>	<b>MASONRY WORKS</b>				
C.1	Exterior Wall				
C.1.1	6" CHB including reinforcement	sq.m	1,988.53	829.00	1,648,491.37
C.1.2	4" CHB including reinforcement	sq.m	982.78	609.41	598,915.96
C.2	Concrete Ledge and Window Moldings	cu.m	6.38	5,368.55	34,251.35
C.3	Plant Box	pcs	8.00	5,958.00	47,664.00
	<b>TOTAL MASONRY WORKS</b>				<b>2,329,322.68</b>
<b>D</b>	<b>ROOFING WORKS</b>				
D.1	Steel Truss and Roof Framing	kg	10,808.40	142.24	1,537,386.82
D.2	Tinsmithry	sq.m	339.20	1,139.78	386,613.38
	<b>TOTAL ROOFING WORKS</b>				<b>1,924,000.20</b>
<b>E</b>	<b>ARCHITECTURAL WORKS</b>				
	Supply all materials, labor, equipment and tools necessary for the execution and completion of Finishing Works, Steel and Iron Works, Painting Works, Installation of Doors and Windows and other incidental works as shown in the plans & technical specifications for building.				
<b>E.1</b>	<b>Finishing Works</b>				
E.1.1	Wall Finishes				
E.1.1.1	Interior Wall Plastering Incl Edging of Interior Columns and Beams	sq.m	4,094.66	263.58	1,079,270.48
E.1.1.2	Exterior Wall Plastering Incl Edging of Exterior Column and Beams	sq.m	2,048.00	263.58	539,811.84
E.1.1.3	Louver Blocks for Service Area and Roof Ventilation	sq.m	22.32	1,851.93	41,335.08
E.1.2	Floor toppings , Plain Cement	sq.m	1,811.25	269.86	488,783.93
E.1.3	NHA Logo	units	2.00	7,898.34	15,796.68
E.1.4	Building and Unit Number	units	60.00	92.02	5,521.20

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT COST	TOTAL COST
E.1.5	Concrete Kitchen Counter	units	60.00	1,783.45	107,007.00
E.1.6	Tiling Works				
E.1.6.1	T&B Wall Tiles	sq.m.	416.40	1,502.91	625,811.72
E.1.6.2	T&B Floor Tiles	sq.m.	99.14	1,432.12	141,980.38
E.1.6.3	Kitchen Countertop/Splash Wall	sq.m.	99.90	1,280.84	127,955.92
E.1.7	Ceiling Works	sq.m.	372.00	853.04	317,330.88
E.1.8	Water Proofing				
E.1.8.1	Roof Deck	sq.m.	88.05	775.05	68,243.15
E.1.8.2	Toilet & Bath and Service Area Floor Slab	sq.m.	96.00	888.13	85,260.48
	<b>Subtotal - Finishing Works</b>				<b>3,644,108.74</b>
E.2	<b>Steel &amp; Iron Works</b>				
E.2.1	Steel Railings				
E.2.1.1	Entrance Ramp at G/F	l.m.	41.00	1,699.54	69,681.14
E.2.1.2	Stair Railings	l.m.	42.90	2,606.13	111,802.98
E.2.1.3	Service Area Railings	units	60.00	762.36	45,741.60
E.2.1.4	Hallway Railings	l.m.	43.20	1,096.27	47,358.86
E.2.2	Steel Ladder to EWT	sets	2.00	9,537.28	19,074.56
E.2.3	Enclosure for Water Meter	sets	10.00	5,444.59	54,445.90
	<b>Subtotal - Steel and Iron Works</b>				<b>348,105.04</b>
E.3	<b>Painting Works</b>				
E.3.1	Exterior concrete surface	sq.m.	2,048.00	154.14	315,678.72
E.3.2	Interior Walls - Hallway and Stairs	sq.m.	715.50	126.47	90,489.29
E.3.3	Ceiling Area	sq.m.	422.50	142.71	60,294.98
	<b>Subtotal - Painting Works</b>				<b>466,462.99</b>
E.4	<b>Doors and Windows</b>				
E.4.1	Doors including Jambs, Locksets, Hinges and Painting				
E.4.1.1	D1 Solid Panel Type Door, 0.90m x 2.10m	sets	60.00	10,690.87	641,452.20
E.4.1.2	D2 Flush Type Door, 0.70m x 2.10m	sets	59.00	4,029.05	237,713.95
E.4.1.3	D3 PVC Swing Door with PVC Louvers (0.6mx2.1m)	sets	59.00	2,231.05	131,631.95
E.4.1.4	D4 Hollow Core Flush Door (0.475mx2.1m)	sets	60.00	3,174.07	190,444.20
E.4.1.5	D5 Hollow Core Flush Swing Door with Stainless Steel Kick Plate (0.9mx2.1m)	set	1.00	5,884.14	5,884.14
E.4.1.6	D6 Hollow Core Flush Swing Door (0.9mx2.1m)	set	1.00	5,710.14	5,710.14
	<b>Subtotal - Doors</b>				<b>1,212,836.58</b>
E.4.2	Windows				
E.4.2.1	W 1 - Steel Awning Type Window (1.20m x 1.00m)	sets	59.00	3,668.75	216,456.25
E.4.2.2	W 2 - Steel Awning Type Window (0.60m x 0.60m)	sets	60.00	1,781.90	106,914.00
E.4.2.3	W 3 - Jalousie Type Window, 1.20m x 1.20m	sets	60.00	2,106.84	126,410.40
E.4.2.4	W 4 - Jalousie Type Window, 0.60m x 1.20m	sets	120.00	1,468.51	176,221.20
E.4.2.5	W 5 - Steel Awning Type Window, 0.60m x 1.00m	set	1.00	3,359.29	3,359.29
	<b>Subtotal - Windows</b>				<b>629,361.14</b>
	<b>TOTAL ARCHITECTURAL WORKS</b>				<b>6,300,874.49</b>
F	<b>PLUMBING AND SANITARY WORKS</b>				
	Supply all materials, labor, equipment and tools necessary for the execution and completion of Sewerline System - Vent, Soil & Waste Stack Pipeline, Building Sewage Main-Collector System, Plumbing Fixtures, Storm Drainage Collection - Downspout & Roof Drains, Cold Water System-Cold Water Distribution Lines, CWL, Riser & Downfeed and other incidental works as shown in the plans & technical specifications for building.				
F.1	<b>Sewerline System - Vent, Soil and Waste Stack Pipeline including fittings and accessories</b>				
F.1.1	PVC Pipe (Series 1000)				
F.1.1.1	38mmØ x 3.0m	l.m	114.00	200.74	22,884.36
F.1.1.2	50mmØ x 3.0m	l.m	541.80	229.77	124,489.39
F.1.1.3	100mmØ x 3.0m	l.m	393.60	477.92	188,109.31
	<b>Subtotal - Vent, Soil and Waste Stack Pipeline</b>				<b>335,483.06</b>
F.2	<b>Bldg. Sewage Main-Collector System including fittings/accessories</b>				
F.2.1	PVC Pipe (Series 1000)				
F.2.1.1	150mmØ x 3.0m	l.m	86.00	1,168.30	100,473.80
	<b>Subtotal - Bldg. Sewage Main Collector System</b>				<b>100,473.80</b>
F.3	<b>Plumbing Fixtures</b>				
F.3.1	Water Closet	sets	60.00	9,481.58	568,894.80
F.3.2	Kitchen Sink with Strainer, P-Trap and Kitchen Faucet	sets	60.00	7,255.75	435,345.00
F.3.3	Floor Drain	sets	124.00	530.55	65,788.20
F.3.4	T&B Faucet and Shower	sets	60.00	2,864.17	171,850.20
F.3.5	Hose Bibb - Service Area	sets	60.00	213.34	12,800.40
F.3.6	Lavatory, Wall Hung including all piping and accessories	sets	60.00	9,430.09	565,805.40
F.3.7	1500 Gallons Water Tank incl. Accessories	sets	2.00	199,121.08	398,242.16
	<b>Subtotal - Plumbing Fixtures</b>				<b>2,218,726.16</b>
F.4	<b>Storm Drainage Collection - Downspout &amp; Roof Drains including fittings/accessories</b>				
F.4.1	PVC Pipes ( Series 1000) - Downspout and Roof Drain				
F.4.1.1	100mmØ x 3.0m	l.m	112.00	934.48	104,661.76
F.4.1.2	150mmØ x 3.0m	l.m	76.00	1,054.23	80,121.48
	<b>Subtotal - Site/Perimeter Storm Drainage</b>				<b>184,783.24</b>
F.5	<b>Cold Water System - Cold Water Distribution Lines including fittings and accessories</b>				
F.5.1	PPR Pipes PN 10				

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT COST	TOTAL COST
F.5.1.1	Cold Water Line - 19 mm dia PPR pipe	l.m	819.00	99.93	81,842.67
F.5.1.2	Cold Water Line - 32mm dia PPR Pipe	l.m	662.00	226.55	149,976.10
F.5.1.3	Cold Water Line - 38mm dia PPR Pipe	l.m	21.80	454.03	9,897.85
F.5.1.4	Cold Water Line - 50mm dia PPR Pipe	l.m	33.80	462.26	15,624.39
F.5.2	Gate Valve - 50mmØ (150psi)	sets	2.00	2,250.85	4,501.70
F.5.3	Gate Valve - 19mmØ (150psi)	sets	60.00	709.06	42,543.60
F.5.4	Check Valve - 19mmØ	sets	60.00	709.06	42,543.60
F.5.5	Water Meter - 19mmØ	sets	60.00	2,241.90	134,514.00
	<b>Subtotal - Cold Water Distribution Lines</b>				<b>481,443.91</b>
<b>F.6</b>	<b>Catch Basin</b>				
F.6.1	Catch Basin including Cover	unit	12	856.06	10,272.72
	<b>Subtotal - Catch Basin</b>				<b>10,272.72</b>
	<b>TOTAL PLUMBING AND SANITARY WORKS</b>				<b>3,331,182.89</b>
<b>G</b>	<b>ELECTRICAL WORKS</b>				
	Supply all materials, labor, equipment and tools necessary for the execution and completion of Rough-In, Wires & Cables, Wiring Devices, Lighting Fixtures, Panel Box, NEMA Enclosures Pull Boxes & Breakers, Miscellaneous Items and other incidental works as shown in the plans & technical specifications for building.				
<b>G.1</b>	<b>ROUGH-IN</b>				
G.1.1	40mm d x 3m rigid non-metallic conduit (RNC) PNS 14 : 2004	length	4.00	295.69	1,182.75
G.1.2	40mm d PVC locknut & adaptor	pairs	2.00	44.94	89.89
G.1.3	25mm d x 3m rigid non-metallic conduit (RNC) PNS 14 : 2004	length	470.00	129.17	60,709.31
G.1.4	25mm d PVC locknut & adaptor	pairs	112.00	17.22	1,928.92
G.1.5	25mm d PVC coupling	pcs	10.00	8.61	86.11
G.1.6	20mm d x 3m rigid non-metallic conduit (RNC) PNS 14 : 2004	length	1,640.00	99.03	162,408.18
G.1.7	20mm d PVC locknut and adaptor	pairs	1,200.00	15.07	18,083.63
G.1.8	32mm d x 3m rigid non-metallic conduit (RNC) PNS 14 : 2004	length	5.00	230.64	1,153.18
G.1.9	32mm d PVC locknut and adaptor	pairs	3.00	35.48	106.45
G.1.10	2" x 4" PVC utility box, with moulded fixed socket	pcs	390.00	32.29	12,593.95
G.1.11	4" octagonal junction box, PVC (deep type)w/ moulded fixed socket	pcs	360.00	33.37	12,012.69
G.1.12	Junction Box Cover	pcs	360.00	17.74	6,386.85
G.1.13	5/8" ø x6" oval eyebolt	pcs	2.00	295.69	591.38
	<b>Subtotal - Rough-in</b>				<b>277,333.29</b>
<b>G.2</b>	<b>WIRES AND CABLES</b>				
G.2.1	RG 6 co-axial cable	l.m.	1,230.00	21.29	26,186.09
G.2.2	1.6mmØ thhn, copper, solid	rolls	18.00	3,673.24	66,118.25
G.2.3	8.0mm² thhn, copper, stranded	rolls	22.00	9,713.93	213,706.37
G.2.4	3.5mm² thhn, copper, stranded	rolls	12.00	3,644.17	43,730.08
G.2.5	5.5mm² thhn, copper, stranded	rolls	28.00	3,875.06	108,501.75
G.2.6	2.2mm² thhn, copper, stranded	l.m.	20.00	24.49	489.76
G.2.7	1.25mm² TF wire, stranded	roll	1.00	2,838.60	2,838.60
G.2.8	#22/3c jacketed tel. Cable	l.m.	100.00	14.19	1,419.30
G.2.9	38.00mm² thhn, copper, stranded	l.m.	90.00	313.43	28,208.59
	<b>Subtotal - Wires and Cables</b>				<b>491,198.79</b>
<b>G.3</b>	<b>WIRING DEVICES</b>				
G.3.1	TV cable modular outlet, single	sets	60.00	277.95	16,676.78
G.3.2	Single gang tumbler switch, 5A, flush type, panasonic or equal complete set	sets	180.00	99.03	17,825.29
G.3.3	Two-gang tumbler switch, 5A, flush type, panasonic or equal complete set	sets	60.00	135.63	8,137.63
G.3.4	Three-way single gang switch, 5A, flush type panasonic or equal complete set	sets	14.00	156.08	2,185.10
G.3.5	Three-way, 2-gang tumbler awitch, 5A, flush type panasonic or equal	sets	6.00	337.08	2,022.50
G.3.6	Duplex conv. Outlet, 20A, 2P w/ plate cover, flush type panasonic or equal	sets	200.00	136.70	27,340.72
G.3.7	Fire alarm pull station (manual)	sets	14.00	1,345.51	18,837.11
G.3.8	Fire alarm 6"4 gong bell	sets	14.00	1,399.33	19,590.59
G.3.9	Fire alarm control panel 5-zones menvier, ademco or equal	sets	1.00	14,951.28	14,951.28
G.3.10	Telephone modular jack outlet single	sets	10.00	277.95	2,779.46
G.3.11	Stove outlet, single, 3-prong universal grounding type, 20A, flush type w/ cover, panasonic or equal	sets	60.00	218.81	13,128.53
G.3.12	CATV signal amplifier JMA-1020 MK 8 w/ incoming and 8-way coupler/splitter or equal	sets	10.00	2,956.88	29,568.75
	<b>Subtotal - Wiring Devices</b>				<b>173,043.74</b>
<b>G.4</b>	<b>LIGHTING FIXTURES</b>				
G.4.1	PVC ceiling receptable socket lamp holder	sets	300.00	70.97	21,289.50
G.4.2	1-20 watts flourescent lamp, box type powder coated w/ T-5 linear lamp w/ electronic ballast	sets	40.00	532.24	21,289.50
G.4.3	Emergency light w/ 2-10 watts dual lamp w/ battery	sets	10.00	2,223.57	22,235.70
G.4.4	Exit light w/ button switch 10 watt lamp	sets	10.00	1,419.30	14,193.00
G.4.5	Street lighting, 5m in height single arm roadway lighting pole round tapered complete w/ flange 4" top of poles 50mm(2") shaft thickness 2.7 to 3.0m protection hot dip galvanized w/ aluminum die cast housing complete w/ E-27 socket & 65w tonster lamp	sets	3.00	15,612.30	46,836.90
	<b>Subtotal - Lighting Fixtures</b>				<b>125,844.60</b>
<b>G.5</b>	<b>PANEL BOX, NEMA ENCLOSURES PULL BOXES AND BREAKER GUTTERS</b>				
G.5.1	LP/unit, NEMA & Enclosure	sets	60.00	5,026.69	301,601.25
	main: 30AT, 50AF, 2P, 240V, 10 KAIC CB				
	branches: 1-15AT, 50AF, 2P, 240-V, 10 KAIC CB				
	3-20AT, 50AF, 2P, 240-V, 10 KAIC CB				

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT COST	TOTAL COST
G.5.2	LP Admin, NEMA & Enclosure main: 125AT, 225AF, 3P, 240V, 30 KAIC CB branches: 6-20AT, 50AF, 2P, 240V, 10 KAIC CB 2-30AT, 50AF, 3P, 240V, 22 KAIC CB 1-80AT, 100AF, 3P, 240V, 30 KAIC CB	set	1.00	54,820.46	54,820.46
G.5.3	Telephone terminal cabinet, NEMA & enclosure 0.20m x 0.3m x 0.15m gauge #14 w/ cover	set	1.00	6,150.30	6,150.30
G.5.4	Pull box, gauge, #14 w/ cover, 2.0m thk 0.25m w x 0.70ml x 0.15mh	pcs	2.00	6,623.40	13,246.80
G.5.5	Pull box, gauge, #14 w/ cover, 2.0m thk 0.25m w x 0.6ml x 0.15mh	pcs	2.00	5,558.93	11,117.85
G.5.6	Pull box, gauge, #14 w/ cover, 2.0m thk 0.25m w x 0.50ml x 0.15mh	pcs	4.00	3,784.80	15,139.20
G.5.7	Breaker gutter, NEMA 3R Enclosure 2.5mm thk w/cover 0.40m w x 4.0ml x 0.25mh w/ 60-30AT, 50AF, 2P, 240V 10 KAIC CB, 1-125AT, 225AF, 3P, 240V 30 KAIC CB	set	1.00	60,502.65	60,502.65
<b>Subtotal - Panel Box, NEMA Enclosures Pull Boxes and Breaker Gutters</b>					<b>462,578.51</b>
<b>G.6</b>	<b>MISCELLANEOUS ITEMS</b>				
G.6.1	PVC electrical tape, large	rolls	35.00	26.91	941.86
G.6.2	Electrical rubber tape large	roll	1.00	100.53	100.53
G.6.3	PVC solvent cement 400 CC	can	25.00	455.36	11,383.97
G.6.4	GI pull wire/tie wire gauge #26	kgs	30.00	92.25	2,767.64
G.6.5	Assorted concrete nail	kgs	15.00	96.88	1,453.15
G.6.6	Assorted common nail	kgs	20.00	68.17	1,363.38
G.6.7	Assorted conduit clamp	kgs	120.00	6.51	780.62
G.6.8	Other consumables, grounding-LS system materials etc.				10,000.00
G.6.9	MATV 9 element	sets	5.00	3,370.84	16,854.19
<b>Subtotal - Miscellaneous Items</b>					<b>45,645.34</b>
<b>TOTAL MATERIAL COST</b>					<b>1,575,644.27</b>
<b>TOTAL LABOR COST</b>					<b>472,693.28</b>
<b>OCM (16%)</b>					<b>327,734.01</b>
<b>TOTAL ELECTRICAL COST</b>					<b>2,376,071.56</b>
<b>H</b>	<b>FIRE PROTECTION</b>				
	<b>AUTOMATIC FIRE ALARM SYSTEM (AFSS)</b>				
H.1	Design and Supply all materials, labor, equipment and tools necessary for the execution and completion of complete sprinkler system including Jockey Pump, Fire Pump, Generator Set, Manual Transfer Switch (100A, 3P, Double Trough Switch, 100AT, 100AF 3P, CB) and all other accessories needed in the fire sprinkle system. This will include all other incidental works as shown in the plans & technical specifications for building.	Building	1.00	2,166,300.00	2,166,300.00
H.2	<b>FIRE DETECTION ALARM SYSTEM (FDAS)</b>				
	Design and Supply all materials, labor, equipment and tools necessary for the execution and completion of complete Fire Detection Alarm System.	Building	1.00	1,480,305.00	1,480,305.00
<b>TOTAL FIRE PROTECTION</b>					<b>3,646,605.00</b>
<b>I</b>	<b>CISTERN TANK</b>				
I.1	Supply all materials, labor, equipment and tools necessary for the execution and completion of Cistern tank as Detailed Including Excavation, Backfilling, Dumbell Waterstop, Waterproofing, Tiling, Stainless Cover, Pipings, Float Valve, Footvalve, Strainer and Connection to Water Meter and all other incidental works as shown in the plans & technical specifications for building.	unit	1.00	615,817.44	615,817.44
<b>TOTAL CISTERN TANK</b>					<b>615,817.44</b>
<b>J</b>	<b>PUMPS AND PUMPHOUSE</b>				
J.1	Supply all materials, labor, equipment and tools necessary for the execution and completion of 2.5m x 4.0m Pumphouse as Detailed with Two (2) 5.0 Hp Centrifugal Pumps with Motor Controller, with solid stainless steel shaft, flange type and totally enclosed fan cooled including pipes, fittings, valves, pressure gauge, connection to cistern tank and supply pipeline of EWT, electrical works, testing and commissioning of system and all other incidental works as shown in the plans & technical specifications for building.	set	1.00	317,151.47	317,151.47
<b>TOTAL PUMPS AND PUMP BOX</b>					<b>317,151.47</b>
<b>TOTAL COST - LOW RISE BUILDING with OCM</b>					<b>32,889,245.38</b>
<b>VAT (12%)</b>					<b>3,946,709.45</b>
<b>GRAND TOTAL</b>					<b>36,835,954.83</b>

Note: Material Prices used was based on DPWH Construction Materials Price Data as of 1st Quarter of 2018

Labor Rates used was based on the Updated NHASchedule of Labor Rates as of July 2018