

BILL OF QUANTITIES**NOLHIVARAM CHILDRENS PARK, H.DH. NOLHIVARAM****Date:**

SUMMARY	Amount
BILL No: 01 - PRELIMINARIES	-
BILL No: 02 - BOUNDARY WALL	-
BILL No: 03 - RAISED PAVILION	-
BILL No: 04 - LIBRARY	-
BILL No: 05 - PLANTERS	-
BILL No: 06 - LANDSCAPING & LIGHTING	-
BILL No: 07 - Miscellaneous	-
Subtotal	-
GST (8%)	-
Grand Total	-

DETAILED BILL OF QUANTITIES

<u>1.0.0</u>	<u>BILL No: 01 - PRELIMINARIES</u>				
<u>1.1.0</u>	<u>SITE MANAGEMENT COST</u>				
1.1.1	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings, temporary plants, machineries & similar.	item	1.00		
<u>1.2.0</u>	<u>TEMPORARY FENCING</u>				
1.2.1	Supply, erect and maintenance of a fence throughout the construction period and hoarding all along the perimeter of the site.	item	1.00		
<u>1.3.0</u>	<u>SITE CLEARING</u>				
1.3.1	Allow for clearing of trees, shrubs, and misc. materials on site.	item	1.00		
<u>1.3.0</u>	<u>CLEAN-UP</u>				
1.3.1	Allow for clean-up upon completion of works.	item	1.00		
<u>1.4.0</u>	<u>SHOP DRAWINGS AND AS-BUILT DRAWINGS</u>				
1.4.1	Shop drawings are required as specified in the drawings prior to / during installation. As-built submission required to handover project to client.	item	1.00		
BILL No: 01 - PRELIMINARIES					
TOTAL OF BILL No: 01 - PRELIMINARIES - Carried Over to Summary					
<u>2.0.0</u>	<u>BILL No: 02 - BOUNDARY WALL</u>				
<u>2.1.0</u>	<u>Excavation and Backfilling</u>				
2.1.1	Excavation for wall beams				
2.1.2	Excavations and Levelled Backfilling	m3	41.04		
<u>2.2.0</u>	<u>Lean Concrete</u>				
2.2.1	Allow for 1:3:6 ratio lean concrete 50mm thick below all foundation elements				
2.2.2	1:3:6 Lean Concrete	m3	3.42		
<u>4.1.0</u>	<u>COMPOUND BOUNDARY WALL</u>				
<u>4.1.5.0</u>	<u>Foundation Beam</u>				
4.1.5.1	Concrete	m3	10.26		
4.1.5.2	T12	m	684.00		

4.1.5.3	R6	m	866.40		
4.1.5.4	Formwork	m2	119.70		
4.3.0	Masonry and Plastering				
	Plastering rate must include capping and slope as specified				
4.3.1	150mm thick hollow block masonry	m2	136.80		
4.3.3	Plastering on Exterior of Structure as specified	item	273.60		
4.4.0	Putty and Painting				
4.4.1	Painting on Exterior Masonry	m2	273.60		
	Metal Grill				
	Rates shall include the cost of fabrication and installation				
	1"x1"x1.8mm GI RHS	m	1010.75		
	3"x3mm MS Flat Bar	m	171.00		
	Painting on Grill with Oil-based Metal Paint	item	1.00		
BILL No: 02 - BOUNDARY WALL					
TOTAL OF BILL No: 02 - BOUNDARY WALL - Carried Over to Summary					
4.0.0	BILL No: 03 - RAISED PAVILION				
	<u>REINFORCED PEDESTAL</u>				
2.1.0	<u>Excavation and Backfilling</u>				
2.1.1	Backfilling for Pedestal and Planters				
	Rates must include compaction of backfilled material in layers not exceeding 200mm using a mechanical compactor. Methodology submittal and approval required.				
2.1.2	Levelled Backfilling For Platform	m3	78.63		
2.1.3	Sloped Backfilling For Planter	m3	25.00		
2.2.0	<u>Lean Concrete</u>				
	Allow for 1:3:6 ratio lean concrete 50mm thick below all foundation elements				
2.2.2	1:3:6 Lean Concrete	m3	1.23		
4.1.10.0	Ground Slab 100mm Thick				
4.1.10.1	Concrete	m3	5.10		
4.1.10.2	T10	m	680.00		
4.1.10.3	Formwork	m2	56.10		
4.1.10.0	Reinforced Walls 100mm Thick				
4.1.10.1	Concrete	m3	4.83		
4.1.10.2	T10	m	643.47		
4.1.10.3	Formwork	m2	53.09		
4.1.10.0	Raised Slab 100mm Thick				
4.1.10.1	Concrete	m3	6.83		
4.1.10.2	T10	m	911.07		
4.1.10.3	Formwork	m2	75.16		
	Staircase (x4)				
	Concrete	m3	3.22		
	T10	m	1030.37		
	Formwork	m2	25.76		
4.3.0	Masonry and Plastering				
4.3.1	150mm thick hollow block masonry for staircase sides	m2	12.44		
4.3.3	Plastering 20mm on Exterior of Structure (Excluding Interior Faces of Backfilled Platform)	m2	116.38		
4.4.0	Putty and Painting				
4.4.1	Painting on Exterior Masonry	m2	116.38		
	<u>WOOD FRAMED PAVILION</u>				

	1) Rates shall include the foundations, all timber elements, timber treatments, fixings, fasteners, temporary scaffolding and support elements, and roofing as specified in the drawings. Carpentry drawings of the pavilion must be submitted prior to fabrication. 2) In the event that the contractor can procure a prefabricated pavilion of fairly equivalent aesthetic, utility, and dimensions as the one proposed in the drawing, a proposal must be submitted with the details of the product, and is subject to approval from the client. Supply and Install of a octagonal sheltered open pavilion	item	1.00		
	BILL No: 03 - RAISED PAVILION TOTAL OF BILL No: 03 - RAISED PAVILION - Carried Over to Summary				
5.0.0	BILL No: 04 -FOOD STALL				
<u>2.1.0</u>	<u>Excavation and Backfilling</u>				
2.1.1	Excavation for Foundation Pads and Foundation Beams				
2.1.2	Excavations and Levelled Backfilling	m3	21.05		
<u>2.2.0</u>	<u>Lean Concrete</u>				
	Allow for 1:3:6 ratio lean concrete 50mm thick below all foundation elements				
2.2.2	1:3:6 Lean Concrete	m3	1.05		
4.1.10.0	F1				
4.1.10.1	Concrete	m3	2.21		
4.1.10.2	T12	m	6.53		
4.1.10.3	Formwork	m2	12.60		
4.1.5.0	TB1				
4.1.5.1	Concrete	m3	5.48		
4.1.5.2	T12	m	274.00		
4.1.5.3	R6	m	438.40		
4.1.5.4	Formwork	m2	68.50		
4.1.1.0	C1				
4.1.1.1	Concrete	m3	2.35		
4.1.1.2	T16	m	213.60		
4.1.1.3	R6	m	199.36		
4.1.1.4	Formwork	m2	42.72		
4.1.5.0	B1				
4.1.5.1	Concrete	m3	5.48		
4.1.5.2	T16	m	274.00		
4.1.5.3	R6	m	438.40		
4.1.5.4	Formwork	m2	68.50		
4.1.10.0	Ground Slab 100mm Thick				
4.1.10.1	Concrete	m3	7.70		
4.1.10.2	T10	m	1026.67		
4.1.10.3	Formwork	m2	84.70		
<u>2.11.0</u>	<u>Waterproofing</u>				
2.11.1	Allow for bituminous tar coating on wall beams and underground masonry	m2	89.64		
	Allow for bituminen sheet underneath ground slab	m2	77.00		
<u>3.4.0</u>	<u>Floor Screed</u>				
3.4.1	30mm thick cement screed for all areas except toilets	m3	2.31		
<u>3.5.0</u>	<u>Masonry and Plastering</u>				
3.5.3	100mm thick solid block walls	m2	201.24		
3.5.4	Plastering 20mm on Exterior of Structure	m2	122.83		
3.5.5	Plastering 15mm on Interior of Structure	m2	268.96		

3.6.0	<u>Putty and Painting</u>				
3.6.1	Painting on Exterior Masonry	m2	122.83		
3.6.2	Putty and Painting on Interior walls	m2	268.96		
	Painting on Gypsum Board Ceilings	m3	160.44		
3.7.0	<u>Tiling</u>				
3.7.1	600x600 Homogenous Tiles on General Areas	m2	56.18		
3.7.3	300x300 Ceramic Tiles on Toilet Floors	m2	12.37		
3.7.4	300x450 Ceramic Tiles on Toilet Walls	m2	62.40		
3.8.0	<u>Doors, Windows, and Glazing</u>				
3.8.1	D1	item	3.00		
3.8.2	D2	item	2.00		
3.8.7	W2	item	1.00		
3.8.8	V1	item	2.00		
3.9.0	<u>Toilets</u>				
3.9.1	WC	item	2.00		
3.9.3	Muslim shower	item	2.00		
3.9.4	Wash basin (Including Closet)	item	1.00		
3.9.5	Wash basin tap	item	4.00		
3.9.6	Toilet paper holder	item	2.00		
3.9.7	Towel hook	item	2.00		
3.9.8	Soap holder	item	2.00		
3.9.9	Mirror set	item	2.00		
3.9.10	Tap	item	2.00		
3.9.11	Floor trap	item	2.00		
3.9.12	Internal Plumbing Works	item	2.00		
3.10.0	<u>Ceilings</u>				
3.10.1	12mm Gypsum Board Ceiling	m2	68.55		
3.11.0	<u>Electrical Works</u>				
	Wiring to fixtures	points	36.00		
3.12.0	<u>Lights</u>				
3.12.1	Waterproof Ceiling Recessed Downlight 12W - Square	nos	12.00		
3.12.2	Ceiling Recessed Downlight 12W - Square	nos	5.00		
3.12.3	Ceiling Recessed Downlight 12W - Round	nos	8.00		
3.13.0	<u>Switches</u>				
3.13.1	1 Gang Switch	nos	2.00		
3.13.2	3 Gang Switch	nos	2.00		
3.14.0	<u>Sockets</u>				
3.14.1	01 Gang 15AMP Socket @ Ceiling Level	nos	2.00		
3.14.2	03 Gang 13AMP Socket @ 2000mm above FFL	nos	3.00		
3.14.3	02 Gang Water Proof 13AMP Socket @ 2000mm above FFL	nos	2.00		
3.15.0	<u>Roofing Works</u>				
3.15.1	50x150 Timber Rafters at 1000mm c/c	m	82.00		
3.15.2	50x50 Timber Purlins at 600mm c/c	m	133.33		
3.15.3	Roof Covering with Mineral Wool Insulation	m2	77.00		
3.15.4	100mm Downpipes connected to gray water system	m	1.00		
3.15.5	PVC gutter with timber fascia board	item	1.00		
3.16.0	<u>Timber Works</u>				
3.16.1	Library Shelf of 2500mm height	m	12.00		
BILL No: 04 - LIBRARY					
TOTAL OF BILL No: 04 -FOOD STALL - Carried Over to Summary					-
6.0.0	BILL No: 05 - PLANTERS				

	Rates shall include excavations, fabrication of the reinforced concrete planters on site, backfilling with appropriate planting soil where specified, plastering and painting of all exposed faces of the planters, and placement to specified locations if fabricated off-site.				
	Planter Type A	nos	3.00		
	Planter Type B	nos	3.00		
BILL No: 05 - PLANTERS					
TOTAL OF BILL No: 05 - PLANTERS - Carried Over to Summary					-
13.0.0	<u>BILL No: 06 - LANDSCAPING & LIGHTING</u>				
13.1.0	Paving				
	Rate shall include for site levelling, and compaction of site via a mechanical compactor.				
13.1.1	Square Paving Blocks	m2	225.00		
	Curbstones	m	133.00		
13.1.0	Bicycle Path				
	Rate shall include for site levelling, and compaction of site via a mechanical compactor.				
13.1.1	Plain Concrete with color pigment additive 50mm thick	m2	250.00		
13.1.0	Playground Area				
	Flooring product subject to material approval submittal with samples				
13.1.1	Supply and install of outdoor playground flooring	m2	215.00		
13.1.0	Outdoor Lights				
13.1.1	Rates shall include supply of lights, laying of electrical connections to lights, and installation of a centralised photocell switch to automate the operation of the lights where such a switch is not present in the product supplied				
	Lamp Posts	nos	50.00		
	Floor Lights	nos	11.00		
13.2.0	Natural Grass				
13.2.1	Supply of seeds, fertilizer and delivery of grown and mowed grass lawn	m2	700.00		
BILL No: 06 - LANDSCAPING & LIGHTING					
TOTAL OF BILL No: 06 - LANDSCAPING & LIGHTING - Carried Over to Summary					-
13.0.0	<u>BILL No: 07 - Miscellaneous</u>				
13.2.0	Hydraulics and Drainage				
13.2.1	Sewerage/waste water main connection	item	1.00		
13.2.2	MWSC Inspection chamber	item	1.00		
13.2.3	Inspection chamber	item	1.00		
13.2.4	Water meter	item	1.00		
13.2.5	Plumbing works inc.pipe line accessories	item	1.00		
13.3.0	Electrical Works				
13.3.1	Electrical main connection with meters	item	1.00		
13.3.2	Main powerline from STELCO substation to panel board	item	1.00		
BILL No: 07 - Miscellaneous					
TOTAL OF BILL No: 07 - Miscellaneous - Carried Over to Summary					-