

BILL OF QUANTITIES
COMMUNITY GYM K.GURAIIDHOO
CLIENT: K.GURAIIDHOO COUNCIL

November 2023

BOQ - SUMMARY COMMUNITY GYM K.GURAIIDHOO

No.	Description	Total
1	PRELIMINARIES & GROUND WORKS	
2	FOUNDATION	
3	GROUND FLOOR Concrete works Finishing works Total for this floor	
4	COMMON WORKS	
	Total For Above Works	

BILL OF QUANTITIES					
No	Description	Qty	Unit	Rate	Total
01	PRELIMINARIES & GROUND WORKS				
	Preliminaries may include for hire equipment, plant, props, clean-up after completion etc.	1.0	item		
	Building demolition & Site clearance	273.1	m ²		
	Dewatering	1.0	item		
	Backfilling	273.1	m ²		
	Concrete testing	1.0	item		
	Sign board	1.0	item		
	Polythene damp proof membrane (500 gauge) laid on blinding layer under foundation	273.1	m ²		
	Polythene damp proof membrane(500 gauge) below Basement flr slab	273.1	m ²		
	Management cost Concrete, Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings, transport & similar.	1.0	item		
	Management cost Finishing, Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoarding, transport & similar.	1.0	item		
02	FOUNDATION				
c	Concrete works				
c1	Foundation Beam FB1, 300 X 250				
	Concrete	7.7	m ³		
	Excavation	28	m ³		
	Lean concrete (1:3:6)	2.07	m ³		
	Cement	81	bags		
	River sand	173	bags		
	Aggregate	276	bags		
	Steel deformed bars, 12mm dia.	126.00	bars		
	Steel deformed bars, 6mm dia Ring	203.00	bars		
	Plywood, 12mm thick	18	no		
	Timber, 50x50	1.10	m ³		
	Nails, 35mm	2.59	kgs		
	Binding wire, 18 gauge	6.58	kgs		
	Mould oil	3	l		
	Water proofing compound	1.00	item		
c2	Foundation Beam FB2, 300 X 250				
	Concrete	1.4	m ³		
	Excavation	4	m ³		
	Lean concrete (1:3:6)	0.38	m ³		
	Cement	16	bags		
	River sand	35	bags		
	Aggregate	57	bags		
	Steel deformed bars, 12mm dia.	23.00	bars		
	Steel deformed bars, 6mm dia Ring	38.00	bars		
	Plywood, 12mm thick	4	no		

No	Description	Qty	Unit	Rate	Total
	Timber, 50x50	0.30	m ³		
	Nails, 35mm	0.58	kgs		
	Binding wire, 18 gauge	1.22	kgs		
	Mould oil	1	l		
	Water proofing compound	1.00	item		
c3	Concrete columns C1, 200 X 200 (below ground level)				
	Concrete	0.37	m ³		
	Cement	4	bags		
	Coarse Sand	8	bags		
	Aggregate	12	bags		
	Steel deformed bars, 12mm dia.	1.00	bars		
	Steel deformed bars, 6mm dia.	55.00	bars		
	Plywood, 12mm thick	2	no		
	Timber, 50x50	0.20	m ³		
	Nails, 35mm	0.29	kgs		
	Binding wire, 18 gauge	1.12	kgs		
	Mould oil	1	l		
	Water proofing compound below ground lvl	1.00	item		
	Bolt, 400x10mm dia	52	no		
c4	Concrete columns C2, 150 X 150 (below ground level)				
	Concrete	0.05	m ³		
	Cement	1	bags		
	Coarse Sand	2	bags		
	Aggregate	3	bags		
	Steel deformed bars, 12mm dia.	1.00	bars		
	Steel deformed bars, 6mm dia.	11.00	bars		
	Plywood, 12mm thick	1	no		
	Timber, 50x50	0.10	m ³		
	Nails, 35mm	0.14	kgs		
	Binding wire, 18 gauge	0.24	kgs		
	Mould oil	1	l		
	Water proofing compound below ground lvl	1.00	item		
	Bolt, 400x10mm dia	14	no		
c5	Ground Slab 80mm				
	Concrete	22.0	m ³		
	Cement	208	bags		
	Coarse Sand	416	bags		
	Aggregate	624	bags		
	Steel deformed bars, 06mm dia.	513.00	bars		
	Binding wire, 16 gauge	10.26	kgs		
03	GROUND FLOOR				
c	Concrete works				
c1	Concrete columns C1, 200 X 200				
	Concrete	0.46	m ³		

No	Description	Qty	Unit	Rate	Total
	Cement	5	bags		
	Coarse Sand	10	bags		
	Aggregate	15	bags		
	Steel deformed bars, 12mm dia.	2.00	bars		
	Steel deformed bars, 6mm dia.	74.00	bars		
	Plywood, 12mm thick	3	no		
	Timber, 50x50	0.20	m ³		
	Nails, 35mm	0.43	kgs		
	Binding wire, 18 gauge	1.52	kgs		
	Mould oil	1	l		
	Water proofing compound below ground lvl	1.00	item		
	Bolt, 400x10mm dia	52	no		
c2	Concrete columns C2, 150 X 150				
	Concrete	0.05	m ³		
	Cement	1	bags		
	Coarse Sand	2	bags		
	Aggregate	3	bags		
	Steel deformed bars, 12mm dia.	1.00	bars		
	Steel deformed bars, 6mm dia.	13.00	bars		
	Plywood, 12mm thick	1	no		
	Timber, 50x50	0.10	m ³		
	Nails, 35mm	0.14	kgs		
	Binding wire, 18 gauge	0.28	kgs		
	Mould oil	1	l		
	Water proofing compound below ground lvl	1.00	item		
	Bolt, 400x10mm dia	14	no		
c3	Attached roof beam, RB1 150 X 350				
	Concrete	3.46	m ³		
	Cement	31	bags		
	Coarse Sand	62	bags		
	Aggregate	93	bags		
	Steel deformed bars, 12mm dia.	1650.00	bars		
	Steel deformed bars, 6mm dia.	79.00	bars		
	Plywood, 12mm thick	20	no		
	Timber, 50x50	1.20	m ³		
	Nails, 35mm	2.88	kgs		
	Binding wire, 18 gauge	34.58	kgs		
	Mould oil	3	l		
	Bolt, 300x10mm dia	133	no		
c4	Attached roof beam, RB2 150 X 350				
	Concrete	0.90	m ³		
	Cement	8	bags		
	Coarse Sand	16	bags		
	Aggregate	24	bags		
	Steel deformed bars, 12mm dia.	28.00	bars		
	Steel deformed bars, 6mm dia.	31.00	bars		
	Plywood, 12mm thick	6	no		

No	Description	Qty	Unit	Rate	Total
	Timber, 50x50	0.40	m ³		
	Nails, 35mm	0.86	kgs		
	Binding wire, 18 gauge	1.18	kgs		
	Mould oil	1	l		
	Bolt, 300x10mm dia	35	no		
c5	Attached roof beam, RB2 150 X 350				
	Concrete	0.90	m ³		
	Cement	8	bags		
	Coarse Sand	16	bags		
	Aggregate	24	bags		
	Steel deformed bars, 12mm dia.	28.00	bars		
	Steel deformed bars, 6mm dia.	31.00	bars		
	Plywood, 12mm thick	6	no		
	Timber, 50x50	0.40	m ³		
	Nails, 35mm	0.86	kgs		
	Binding wire, 18 gauge	1.18	kgs		
	Mould oil	1	l		
	Bolt, 300x10mm dia	35	no		
c6	Attached beam, WB 150 X 250				
	Concrete	1.76	m ³		
	Cement	16	bags		
	Coarse Sand	32	bags		
	Aggregate	48	bags		
	Steel deformed bars, 12mm dia.	19.00	bars		
	Steel deformed bars, 6mm dia.	45.00	bars		
	Plywood, 12mm thick	11	no		
	Timber, 50x50	0.70	m ³		
	Nails, 35mm	1.58	kgs		
	Binding wire, 18 gauge	1.28	kgs		
	Mould oil	2	l		
	Bolt, 300x10mm dia	95	no		
mpa	MASONRY WORKS including Plastering and Screeding				
mp1	<u>100mm thick Solid block for exterior walls and Hollow Blocks for interior walls</u>				
	Cement Solid/Hollow Blocks	136	m ²		
	Cement	3,014	no		
	Cement	50	bags		
	Coarse Sand	250	bags		
mp2	<u>Plastering of walls , 15mm thick</u>	271	m ²		
	Cement	72	bags		
	Coarse Sand	360	bags		
mp3	<u>50mm thick floor screed</u>	273	m ²		
	Cement	123	bags		
	Coarse Sand	615	bags		

No	Description	Qty	Unit	Rate	Total
mpc	MASONRY WORKS 2M WALL including Plastering and Screeding				
mp1	100mm thick Solid block for exterior walls and Hollow Blocks for interior walls	239	m ²		
	Cement Solid/Hollow Blocks	5,312	no		
	Cement	88	bags		
	Coarse Sand	440	bags		
mp2	Plastering of walls , 15mm thick	478	m ²		
	Cement	126	bags		
	Coarse Sand	630	bags		
dw	DOORS & WINDOWS		item		
	All doors and windows to be as specified in the drawing				
	All external doors and windows are anodized aluminium with clear glass				
	Rate shall include for fixings and painting				
dw1	External doors /windows				
	D1	1	no		
	D5	1	no		
	FG1	1	no		
	FG2	2	no		
	FG3	1	no		
	FG4	1	no		
	FG5	1	no		
	V1	2	no		
	V2	1	no		
dw2	Internal doors /windows				
	D1	3	no		
	D2	2	no		
	D3	1	no		
	D4	1	no		
mw	METAL WORKS				
mw1	Staircase handrail				
	Staircase railing made of 38/50 dia. Stainless steel circular hollow section	1.00	item		
ew	ELECTRICAL WORKS		item		
	All wiring shall be concealed in conduit. Decorative lights of medium range Subject to change with cost variation). Light switches and sockets to be Clipsal,ABB, LE Brand or equivalent.				
	Distribution Board, (ELCB,MCB,Circuit Brakers)	2	no		
	Mount light	2	no		
	Mount light WP	10	no		
	150MM recessed ceiling down light	45	no		
	Toilet mirror F-Tube light	2	no		
	Ceiling fan 1200mm	1	no		
	One way fan regulator	1	no		
	Exhaust Fan	2	no		

No	Description	Qty	Unit	Rate	Total
	One gang switch	15	no		
	Two gang switch	3	no		
	Three gang switch	6	no		
	Four gang switch	5	no		
	Water Heater	3	no		
	Air conditioning split type 9000BTU	8	no		
	13AMP single gng socket	12	no		
	13AMP double gang socket @1200MM from FFL	10	no		
	15AMP single gang socket @1800MM from FFL	9	no		
	Cable TV socket outlet	4	no		
	Phone socket outlet	4	no		
	Network socket outlet	4	no		
	Emergency Light	2	no		
	Number of fan, lights and switch points	134	no		
	Number of points power socket points	14	no		
pw	PLUMBING WORKS		item		
	Ground water pipe 25mm dia UPVC	9	no		
	Ground water pipe 12.5mm dia UPVC	9	no		
	Waste disposal pipe 50mm dia UPVC	9	no		
	Vent pipe 75mm dia PVC	9	no		
	Sewage disposal pipe 100mm dia UPVC	9	no		
	Valve	15	no		
	Inspection chamber	1	no		
	Allow for pipe fittings and accessories (Material)	2	no		
	Allow for pipe fittings and accessories (labour)	2	no		
sf	SANITARY FIXTURES including toilet fitting and fixtures		item		
	Toilet fittings to be water Tec pvc and fixtures to be cotto or equivalent				
	No. of toilets	2	no		
	WC	4	no		
	Wash basin	2	no		
	Wash basin tap	2	no		
	Head shower with hand shower	2	no		
	Shower single lever mixer	2	no		
	Toilet paper holder	4	no		
	Mirror set	3	no		
	Muslim shower	4	no		
	Floor trap	5	no		
fw	FINISHING WORKS including tiling general areas, staircases, toilet floor and walls and all decorative works		item		
f1	Painting exterior surfaces of walls	366	m ²		
	Waller sealer	55	l		
	Deluxe sigma or equivalent	65	l		
f2	Painting interior surfaces of walls	616	m ²		
	Waller sealer	93	l		
	Deluxe sigma or equivalent	108	l		

No	Description	Qty	Unit	Rate	Total
f4	Painting interior surfaces of ceiling and concrete surfaces	273	m ²		
	Waller sealer	41	l		
	Deluxe sigma or equivalent	48	l		
f5	Tiling floor (general area)	181	m ²		
	Tiling adhesive (Master Tile 40)	61	bags		
	Homogeneous tiles, 600 x 600	503	no		
f8	Tiling floor (toilet)	27	m ²		
	Tiling adhesive (Master Tile 40)	9	bags		
	Homogeneous tiles, 300 x 300	295	no		
f9	Tiling wall (toilet) 2.6m high	48	m ²		
	Tiling adhesive (Master Tile 40)	16	bags		
	Homogeneous tiles, 450 x 300	353	no		
cl	CEILING				
cl1	Toilet Ceiling				
	Cement fiber board 4mm thk	10	nos		
	Timber frame, 50 x 38	80.00	m		
	Allow for screw and accessories		item		
r1	ROOFING				
	MSP colour bond profile sheets or equivalent type	45	m ²		
	Timber hip 50 x 200	0.35	m ³		
	Timber rafters, 50 x 150	2.35	m ³		
	Timber battens, 50 X 50	0.76	m ³		
	Timber fascia, 200 x 25	0.16	m ³		
	gutter	10	m		
	Allow for screw and accessories		item		
	4 COMMON WORKS				
cw1	Main Connection (Allow for three phase main connection from STELCO board to Panel board from STELCO Transformer / Road DB)	1	no		
cw2	Main Panel Board (Complete installation incl. for all connection earthing, painting, testing)	1	no		
cw3	Connecting to MWSC sewer mains with all provisions to connect pipelines as per drawing.	1	no		
cw4	MWSC Inspection chamber	1	no		
	TOTAL				-