

BILL OF QUANTITIES

KENDHIKULHUDHOO VISITING CENTRE

KENDHIKULHUDHOO VISITING CENTRE SUMMARY OF BILL OF QUANTITIES

GRAND SUMMARY				
Bl.no	Item Description	Nos	Rate	Amount
1.0	SHOP 1	1		
2.0	SHOP 2	1		
3.0	MUSEUM AND CLASSROOM	1		
4.0	LIBRARY	1		
5.0	RECEPTION	1		
6.0	KITCHEN AND INDOOR DINING	1		
7.0	RECTANGULAR SEATING AT DINING AREA	13		
8.0	SEATING AREA 01	2		
9.0	ENTRANCE AREA SEATING	2		
10.0	CIRCULAR SEATING AT DINING AREA	4		
11.0	CIRCULAR SEATING	5		
12.0	JETTY	1		
13.0	CONVENTIONAL CENTER	1		
14.0	SEMI CIRCULAR SEATING	1		
TOTAL Mvr				
8% GST Mvr				
GRAND TOTAL Mvr				

SUMMARY OF BILLS OF QUANTITIES
SHOP 1

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -ROOFING WORKS			
Bill №: 05 - DOORS & WINDOWS			
Bill №: 06 - MASONRY			
Bill №: 07 - FLOOR, WALL FINISHINGS			
Bill №: 08 -SUSPENDED CEILING			
Bill №: 09 - PAINTING & DECORATIONS			
Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill №: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> Abbreviations m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL №: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01			Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials	m ²	19.30					
2.3.00	<u>EXCAVATION</u>									
2.3.01			Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation	m ³	10.00					
2.4.00	<u>FILLING</u>									
2.4.01			Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab	m ²	5.00					
2.5.00	<u>DAMP-PROOF MEMBRANE</u>									
2.5.01			Rate shall include for: dressing around and sealing to all penetrations, laps and turnups. Polythene damp proof membrane (500 gauge)	m ²	16.50					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00			Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>									
		(a)	Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances							
		(b)	Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6.							
		(c)	All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15							
		(d)	Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.							
		(e)	Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork.							
		(f)	Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.							
		(g)	All reinforcing bars shall be high strength bars.							
		(h)	Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent.							
		(i)	All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical.							
		(j)	Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>									
			Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01			50 mm Lean Concrete	m ³	0.36					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>									
	FOUNDATION & FOUNDATION BEAMS									
3.3.01	600	x	600 Foundation F1	m ³	0.54					
3.3.08	300	x	225 mm Foundation Beam FB	m ³	1.38					
	PEDASTAL COLUMNS									
3.3.10	200	x	200 mm Concrete columns C1	m ³	0.12					
			Cement	Bag	20.00					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
						RATE				
			Coarse Sand	Bag	40.00					
			Aggregate	Bag	60.00					
			Admixture	Ltr	2.00					
3.8.00	FORM WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.8.01	600	x	600 Foundation F1	m ²	1.80					
3.8.07	300	x	225 mm Foundation Beam FB	m ²	12.30					
	PEDASTAL COLUMNS									
3.8.09	200	x	200 mm Concrete columns C1	m ²	2.40					
			Plywood 12mm flim faced	Nos	6.00					
			Timber 35x50mm	m ³	0.25					
			Timber Nail 1 1/2"	Kg	3.00					
			Timber Nail 2"	Kg	1.00					
			3" Wooden Screw	Nos	50.00					
			4" Wooden Screw	Nos	50.00					
3.13.00	STEEL WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.13.01	6		mm Steel bar in foundation	nr	28.00					
3.13.01	10		mm Steel bar in foundation	nr	10.00					
3.13.01	12		mm Steel bar in foundation	nr	18.00					
	PEDASTAL COLUMNS									
3.13.06	6		mm in pedastal column	nr	5.00					
3.13.07	12		mm in pedastal column	nr	24.00					
			Binding Wire	Kg	4.93					
3.4.00	GROUND FLOOR									
	COLUMNS									
3.4.01	200	x	200 mm Concrete columns C1	m ³	0.82					
	Floor Slab									
3.4.04			100 mm slab	m ³	1.68					
	Beam									
3.4.06	300	x	200 mm Beam RB1	m ³	1.24					
			Cement	Bag	30.00					
			Coarse Sand	Bag	60.00					
			Aggregate	Bag	90.00					
			Admixture	Ltr	3.00					
3.9.00	FORMWORK									
	COLUMNS									
3.9.01	200	x	200 mm Concrete columns C1	m ²	16.32					
	Floor Slab									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.9.04	100 mm slab	m ²	2.00					
3.9.06	Beam 300 x 200 mm Beam RB1	m ²	16.52					
	Plywood 12mm flim faced	Nos	14.00					
	Timber 35x50mm	m ³	0.50					
	Timber Nail 1 1/2"	Kg	1.30					
	Timber Nail 2"	Kg	0.29					
	3"Wooden Screw	Nos	206.50					
	4" Wooden Screw	Nos	200.00					
3.14.00	<u>STEELWORK</u>							
3.14.01	Column 6 mm in column	nr	18.00					
3.14.03	Floor Slab 6 mm in Floor slab	nr	36.00					
3.14.05	Beam 6 mm in beam	nr	21.00					
3.14.05	12 mm in beam	nr	19.00					
	Binding Wire	Kg	5.45					
3.7.00	<u>OTHERWORKS</u>							
3.7.01	Lintel, Sill beams & Mid band 150 x 100 mm Ground Floor	m ³	0.19					
	Cement	Bag	3.00					
	Coarse Sand	Bag	6.00					
	Aggregate	Bag	9.00					
	Admixture	Ltr	0.30					
3.12.01	FORM WORK 150 x 100 mm Ground Floor	m ²	3.83					
3.17.01	STEEL WORK 10 mm Lintel, Sill beams & Mid band Ground Floor	Nos	4.00					
	Binding Wire	Kg	0.23					
3.9.00	TOTAL OF BILL №: 03 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
04.0.00			Bill No: 04 - ROOFING WORKS							
04.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.							
04.1.02	<u>ROOFINGTIMBERWORKS</u>									
	50	x	150 mm Timber Rafters	m	63.33					
	50	x	50 mm Timber Battens	m	43.00					
04.2.00	<u>GENERAL</u>									
			(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.							
			Lysaght roofing sheet 29" Width	m	34.13					
			Wool insulation 50mmx0.9m x15m	roll	2.00					
			PVC black net	roll	1.00					
			Fascia Gutter 8'	Nos	4.00					
			GI gutter clip	Nos	16.00					
			Gutter strap	Nos	16.00					
			Fascia Capping 8'	Nos	4.00					
			Ridge Capping 8'	Nos	2.00					
			Down spot 3"	Nos	2.00					
			Roofing Screw 3"	Nos	200.00					
			Fascia board Wood plank 4m x 200m x8mm	Nos	5.00					
04.3.00	<u>DOWNPIPE</u>									
			82 mm dia rain water pipe	item	2.00					
			TOTAL OF BILL No: 04 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
5.0.00										
	<u>GENERAL</u>									
			(a) Rates shall include for locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware. (b) Rates shall include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boardings, framing, lining, fastenings and all fixings. (c) Sizes are given overall outside dimensions of actual doors and windows. (d) Thickness and sizes of glass panels are shown on the Drawings and doors and windows schedule (e) Rates shall include for all painting as specified (f) Rates shall include all items specified in the door schedule and specification. (g) Frames and sashes to be 25-60 micron white powder coated aluminium other wise specified.							
5.1.00										
	<u>GROUND FLOOR</u>									
5.1.05	900	x	2200	D1-Timber Door	nr					
5.1.12	2450	x	1400	W1-Aluminium Swing Window	nr					
				TOTAL OF BILL №: 05 - Carried Over To Summary						
6.0.00										
	<u>GENERAL</u>									
			(a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leavingholes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.							
6.1.00	<u>BLOCKWORK</u>									
6.1.03			150	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS) mm thk full height (Full block) BELOW GROUND FLOOR	m ²	29.70				

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.04	6" Solid Bricks	Nos	683.20					
	Cement	Bag	6.83					
	Coarse Sand	Bag	34.16					
	GROUND FLOOR	m ²	37.94					
	6" Solid Bricks	Nos	872.62					
	Cement	Bag	8.73					
	Coarse Sand	Bag	43.63					
	TOTAL OF BILL No: 06 - Carried Over To Summary							
7.0.00	Bill No: 07 - FLOOR, WALL FINISHINGS							
	<u>GENERAL</u>							
	(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing. (b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
7.1.00	<u>PLASTERING</u>							
7.1.03	20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent.							
	BELOW GROUND FLOOR	m ²	45.26					
	Cement	Bag	7.54					
	Coarse Sand	Bag	30.18					
	Fine Sand	Bag	30.18					
7.1.04	GROUND FLOOR	m ²	75.77					
	Cement	Bag	12.63					
	Coarse Sand	Bag	50.51					
	Fine Sand	Bag	50.51					
7.1.07	16 mm thk cement plaster on internal surface as specified on							
	GROUND FLOOR	m ²	44.53					
	Cement	Bag	5.57					
	Fine Sand	Bag	22.27					
7.2.00	<u>CEMENTSCREED</u>							
7.2.01	50 mm thk cement screed							
	GROUND FLOOR	m ²	16.75					
	Cement	Bag	5.58					
	Coarse Sand	Bag	22.34					
7.3.00	<u>FLOORTILING</u>							
	600 x 600 mm Homogenous tiles							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
7.3.01	600	x	100	GROUND FLOOR	m ²	16.75				
				600x600mm Floor tiles	Nos	51.19				
				Tile adhesive 25kg	bag	12.80				
7.3.04				mm Homogenous skirting tiles						
				GROUND FLOOR	m	16.92				
				600x600mm Floor tiles	Nos	5.64				
				Tile adhesive 25kg	bag	1.41				
				TOTAL OF BILL №: 07 - Carried Over To Summary						
8.0.00				Bill №: 08 -SUSPENDED CEILING						
	<u>GENERAL</u>									
8.1.00				(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.						
	<u>PLASTERBOARDCEILING</u>									
8.1.02				Fixed plasterboard ceiling system with timber framing	m ²	21.50				
				TOILETS,ROOFING DOWN	Nos	7.47				
				GROUND ROOFING AREA						
				6mm cement Board	m	129.00				
				35 x 50 mm treated pine wood timber	Nos	161.25				
				3" black Screw	Nos	178.45				
				1 1/2" black screw	Nos	178.45				
				1" black screw	Nos	178.45				
				1 1/2" Wall plug	Nos	161.25				
				TOTAL OF BILL №: 08 - Carried Over To Summary						
9.0.00				Bill №: 09 - PAINTING & DECORATIONS						
	<u>GENERAL</u>									
				(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture.						
				(b) All painting work shall be carried in accordance with the Specifications.						
9.1.00	<u>WALLPAINTING</u>									
9.1.02				Weatherbound paint finish as specified (EXTERNAL SURFACES)	m ²	75.77				
				GROUND FLOOR	Ltr	21.65				
				Exterior Wall sealer	Ltr	21.65				
				Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES)						

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
9.1.05		GROUND FLOOR	m ²	44.53						
		Interior Wall sealer	Ltr	9.90						
		Interior Putty	Kg	44.53						
		Emulsion Paint	Ltr	9.90						
9.2.00	<u>CEILINGPAINTING</u>									
9.2.01		Selected paint finish including putty application on ceiling as specified (CEILING)								
		GROUND FLOOR	m ²	21.50						
		Interior Wall sealer	Ltr	4.78						
		Interior Putty	Kg	21.50						
		Emulsion Paint	Ltr	4.78						
		TOTAL OF BILL №: 09 - Carried Over To Summary								
10.0.00	<u>GENERAL</u>	Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES								
		(a) Design, provide and install electrical network for the entire building complete in accordance to standards set by the local governing body STELCO/FENAKA								
	<u>MainConnections</u>									
10.4.02		Supply and installation of electrical meter	nr	1.00						
10.4.02		STELCO Main connection (Approximate)	nr	1.00						
	<u>GROUND FLOOR</u>									
10.1.00	<u>MAIN DISTRIBUTION, SUB DISTRIBUTION AND DISTRIBUTION SYSTEM</u>									
	<u>Internal DB Connections</u>									
10.4.02		DB to Main Panel board cabling	nr	1.00						
	<u>Distribution Boards (DB)</u>									
		Distribution Panel for each floor as shown on the drawing, complete with all incoming and outgoing MCBs, RCCBs, etc any other item required to working order, wall mounted wall mount steel powder coated, IP44 enclosure with neutral link, earth bar and required accessories, all complete as per the								
10.1.01		Distribution Boards with dressing	nr	1.00						
	<u>MAIN/SUB CABLING</u>									
		All under ground cables directly buried in ground/ in the trenches as applicable, to be laid properly and covered with cable tiles, protection tapes, etc for mechanical protection, PVC sleeves may use if required. Rate shall include for all necessary works/accessories such as excavation, sand layers, cable tiles, warning strips and back filling with approved quality earth, properly compacted, to the satisfaction of the Engineer.								

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	All above ground cables shall be laid on cable tray/ trucking /conduits as applicable and covered by tray covers, etc. for mechanical protection. PVC sleeves may use if required. Rate shall include for all necessary works/ accessories such as galvanized brackets, supporting materials, fittings, nails, cable ties, earthing, etc, trays shall be of required sizes, GI powder coated, and shotted, to the satisfaction of Engineer							
10.2.00	<u>GENERALEARTHING</u>							
10.2.01	Allow for the total earthing system inclusive of the necessary cables from all the DBs	item	1.00					
10.3.00	<u>POINTWIRINGANDFITTINGS</u>							
	Rate shall include for supply & installation of cable, conduits for point wiring in concealed installations including lights,switches, power outlet,data points,isolators, etc, all as specified in the drawing							
10.3.01	Supply and Installation of 2 x 1C 1.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring	nr	8.00					
10.3.02	Supply and Installation of 2 x 1C 2.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes,ethernet cables, RJ45 Connectors, VGA cables etc. for	nr	2.00					
10.3.03	the Socket outlets point wiring CAT 6 CABLE	Roll	0.50					
10.3.04	TV Cable	Roll	0.50					
10.4.00	<u>FIXTURES</u>							
	Rate shall include supply and installation of following lighting fixtures, socket outlets as specified and detailed, fixed in position including all fixing accessories, supports and connect to power, under following conditions 1. All bathrooms, out door light fixtures shall be IP65							
	2. All switches & sockets shall be ABB or equivalent brand.							
	<u>LIGHTSANDSWITCHES</u>							
10.4.04	150mm Ceiling light 18W LED	nr	4.00					
10.4.06	Ceiling fan (52" - 54")	nr	1.00					
10.4.08	Light switch (2 G)	nr	2.00					
10.4.13	Fan Switch	nr	1.00					
	<u>SOCKETS</u>							
10.4.14	13 A twin sockets	nr	2.00					
10.4.19	Fiber Socket	nr	1.00					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
10.4.20	Cable TV Socket	nr	1.00					
	TOTAL OF BILL №: 10 - Carried Over To Summary							

SUMMARY OF BILLS OF QUANTITIES
SHOP 2

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -ROOFING WORKS			
Bill №: 05 - DOORS & WINDOWS			
Bill №: 06 - MASONRY			
Bill №: 07 - FLOOR, WALL FINISHINGS			
Bill №: 08 -SUSPENDED CEILING			
Bill №: 09 - PAINTING & DECORATIONS			
Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

SHOP 2

Republic of Maldives

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel Gl - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	18.23					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	7.07					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	4.00					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	12.51					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00			Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>									
		(a)	Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances							
		(b)	Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6.							
		(c)	All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15							
		(d)	Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.							
		(e)	Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork.							
		(f)	Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.							
		(g)	All reinforcing bars shall be high strength bars.							
		(h)	Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent.							
		(i)	All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical.							
		(j)	Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>									
			Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01			50 mm Lean Concrete	m ³	0.27					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>									
	FOUNDATION & FOUNDATION BEAMS									
3.3.01	600	x	600 Foundation F1	m ³	0.36					
3.3.08	300	x	225 mm Foundation Beam FB	m ³	1.09					
	PEDASTAL COLUMNS									
3.3.10	200	x	200 mm Concrete columns C1	m ³	0.08					
			Cement	Bag	15.00					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
						RATE				
	Coarse Sand			Bag	30.00					
	Aggregate			Bag	45.00					
	Admixture			Ltr	1.50					
3.8.00	FORM WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.8.01	600	x	600 Foundation F1	m ²	1.20					
3.8.07	300	x	225 mm Foundation Beam FB	m ²	9.71					
	PEDASTAL COLUMNS									
3.8.09	200	x	200 mm Concrete columns C1	m ²	1.60					
	Plywood 12mm flim faced			Nos	5.00					
	Timber 35x50mm			m ³	0.20					
	Timber Nail 1 1/2"			Kg	3.00					
	Timber Nail 2"			Kg	1.00					
	3" Wooden Screw			Nos	50.00					
	4" Wooden Screw			Nos	50.00					
3.13.00	STEEL WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.13.01	6		mm Steel bar in foundation	nr	22.00					
3.13.01	10		mm Steel bar in foundation	nr	8.00					
3.13.01	12		mm Steel bar in foundation	nr	14.00					
	PEDASTAL COLUMNS									
3.13.06	6		mm in pedastal column	nr	3.00					
3.13.07	12		mm in pedastal column	nr	16.00					
	Binding Wire			Kg	3.65					
3.4.00	GROUND FLOOR									
	COLUMNS									
3.4.01	200	x	200 mm Concrete columns C1	m ³	0.54					
	Floor Slab									
3.4.04	100 mm slab			m ³	1.58					
	Beam									
3.4.06	300	x	200 mm Beam RB1	m ³	0.98					
	Cement			Bag	25.00					
	Coarse Sand			Bag	50.00					
	Aggregate			Bag	75.00					
	Admixture			Ltr	2.50					
3.9.00	FORMWORK									
	COLUMNS									
3.9.01	200	x	200 mm Concrete columns C1	m ²	10.88					
	Floor Slab									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.9.04	100 mm slab	m ²	2.00					
3.9.06	Beam 300 x 200 mm Beam RB1	m ²	13.02					
	Plywood 12mm flim faced	Nos	10.00					
	Timber 35x50mm	m ³	0.25					
	Timber Nail 1 1/2"	Kg	1.08					
	Timber Nail 2"	Kg	0.26					
	3"Wooden Screw	Nos	162.80					
	4" Wooden Screw	Nos	200.00					
3.14.00	STEELWORK							
3.14.01	Column 6 mm in column	nr	12.00					
3.14.03	Floor Slab 6 mm in Floor slab	nr	34.00					
3.14.05	Beam 6 mm in beam	nr	16.00					
3.14.05	12 mm in beam	nr	15.00					
	Binding Wire	Kg	4.47					
3.7.00	OTHERWORKS							
3.7.01	Lintel, Sill beams & Mid band 150 x 100 mm Ground Floor	m ³	0.23					
	Cement	Bag	3.00					
	Coarse Sand	Bag	6.00					
	Aggregate	Bag	9.00					
	Admixture	Ltr	0.30					
3.12.01	FORM WORK 150 x 100 mm Ground Floor	m ²	4.64					
3.17.01	STEEL WORK 10 mm Lintel, Sill beams & Mid band Ground Floor	Nos	6.00					
	Binding Wire	Kg	0.35					
3.9.00	TOTAL OF BILL №: 03 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
04.0.00			Bill No: 04 - ROOFING WORKS							
04.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.							
04.1.02	<u>ROOFINGTIMBERWORKS</u>									
	50	x	150 mm Timber Rafters	m	59.70					
	50	x	50 mm Timber Battens	m	43.00					
04.2.00	<u>GENERAL</u>									
			(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.							
			Lysaght roofing sheet 29" Width	m	34.13					
			Wool insulation 50mmx0.9m x15m	roll	2.00					
			PVC black net	roll	1.00					
			Fascia Gutter 8'	Nos	4.00					
			GI gutter clip	Nos	16.00					
			Gutter strap	Nos	16.00					
			Fascia Capping 8'	Nos	4.00					
			Ridge Capping 8'	Nos	2.00					
			Down spot 3"	Nos	2.00					
			Roofing Screw 3"	Nos	200.00					
			Fascia board Wood plank 4m x 200m x8mm	Nos	5.00					
04.3.00	<u>DOWNPIPE</u>									
			82 mm dia rain water pipe	item	2.00					
			TOTAL OF BILL No: 04 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
5.0.00				Bill №: 05 - DOORS & WINDOWS						
	<u>GENERAL</u>									
			(a)	Rates shall include for locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware.						
			(b)	Rates shall include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boardings, framing, lining, fastenings and all fixings.						
			(c)	Sizes are given overall outside dimensions of actual doors and windows.						
			(d)	Thickness and sizes of glass panels are shown on the Drawings and doors and windows schedule						
			(e)	Rates shall include for all painting as specified						
			(f)	Rates shall include all items specified in the door schedule and specification.						
			(g)	Frames and sashes to be 25-60 micron white powder coated aluminium other wise specified.						
5.1.00										
	<u>GROUND FLOOR</u>									
5.1.05	900	x	2200	D1-Timber Door	nr	1.00				
5.1.12	2450	x	1400	W1-Aluminium Swing Window	nr	1.00				
				TOTAL OF BILL №: 05 - Carried Over To Summary						
6.0.00				Bill №: 06 - MASONRY						
	<u>GENERAL</u>									
			(a)	Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leavingholes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.						
6.1.00	<u>BLOCKWORK</u>									
6.1.03			150	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS) mm thk full height (Full block) BELOW GROUND FLOOR	m ²	16.25				

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.04	6" Solid Bricks	Nos	373.84					
	Cement	Bag	3.74					
	Coarse Sand	Bag	18.69					
	GROUND FLOOR	m ²	47.22					
	6" Solid Bricks	Nos	1,086.11					
	Cement	Bag	10.86					
	Coarse Sand	Bag	54.31					
	TOTAL OF BILL No: 06 - Carried Over To Summary							
7.0.00	Bill No: 07 - FLOOR, WALL FINISHINGS							
	<u>GENERAL</u>							
	(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing. (b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
7.1.00	<u>PLASTERING</u>							
7.1.03	20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent.							
	BELOW GROUND FLOOR	m ²	13.66					
	Cement	Bag	2.28					
	Coarse Sand	Bag	9.11					
	Fine Sand	Bag	9.11					
7.1.04	GROUND FLOOR	m ²	50.32					
	Cement	Bag	8.39					
	Coarse Sand	Bag	33.55					
	Fine Sand	Bag	33.55					
7.1.07	16 mm thk cement plaster on internal surface as specified on							
	GROUND FLOOR	m ²	51.76					
	Cement	Bag	6.47					
	Fine Sand	Bag	25.88					
7.2.00	<u>CEMENTSCREED</u>							
7.2.01	50 mm thk cement screed							
	GROUND FLOOR	m ²	15.76					
	Cement	Bag	5.25					
	Coarse Sand	Bag	21.01					
7.3.00	<u>FLOORTILING</u>							
	600 x 600 mm Homogenous tiles							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
7.3.01	600	x	100	GROUND FLOOR	m ²	15.76				
				600x600mm Floor tiles	Nos	48.16				
				Tile adhesive 25kg	bag	12.04				
7.3.04				mm Homogenous skirting tiles						
				GROUND FLOOR	m	15.88				
				600x600mm Floor tiles	Nos	5.29				
				Tile adhesive 25kg	bag	1.32				
				TOTAL OF BILL No: 07 - Carried Over To Summary						
8.0.00				Bill No: 08 -SUSPENDED CEILING						
	<u>GENERAL</u>									
8.1.00				(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.						
	<u>PLASTERBOARDCEILING</u>									
8.1.02				Fixed plasterboard ceiling system with timber framing	m ²	21.81				
				TOILETS,ROOFING DOWN	Nos	7.57				
				GROUND ROOFING AREA						
				6mm cement Board	m	130.85				
				35 x 50 mm treated pine wood timber	Nos	163.57				
				3" black Screw	Nos	181.01				
				1 1/2" black screw	Nos	181.01				
				1" black screw	Nos	163.57				
				1 1/2" Wall plug						
				TOTAL OF BILL No: 08 - Carried Over To Summary						
9.0.00				Bill No: 09 - PAINTING & DECORATIONS						
	<u>GENERAL</u>									
				(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture.						
				(b) All painting work shall be carried in accordance with the Specifications.						
9.1.00	<u>WALLPAINTING</u>									
9.1.02				Weatherbound paint finish as specified (EXTERNAL SURFACES)	m ²	50.32				
				GROUND FLOOR	Ltr	14.38				
				Exterior Wall sealer	Ltr	14.38				
				Enamel Paint						
				Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES)						

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
9.1.05		GROUND FLOOR		m ²	51.76					
		Interior Wall sealer		Ltr	11.50					
		Interior Putty		Kg	51.76					
		Emulsion Paint		Ltr	11.50					
9.2.00	<u>CEILINGPAINTING</u>									
9.2.01		Selected paint finish including putty application on ceiling as specified (CEILING)								
		GROUND FLOOR		m ²	21.81					
		Interior Wall sealer		Ltr	4.85					
		Interior Putty		Kg	21.81					
		Emulsion Paint		Ltr	4.85					
		TOTAL OF BILL №: 09 - Carried Over To Summary								
10.0.00	<u>GENERAL</u>	Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES								
		(a) Design, provide and install electrical network for the entire building complete in accordance to standards set by the local governing body STELCO/FENAKA								
	<u>MainConnections</u>									
10.4.02		Supply and installation of electrical meter		nr	1.00					
10.4.02		STELCO Main connection (Approximate)		nr	1.00					
	<u>GROUND FLOOR</u>									
10.1.00	<u>MAIN DISTRIBUTION, SUB DISTRIBUTION AND DISTRIBUTION SYSTEM</u>									
	<u>Internal DB Connections</u>									
10.4.02		DB to Main Panel board cabling		nr	1.00					
	<u>Distribution Boards (DB)</u>									
		Distribution Panel for each floor as shown on the drawing, complete with all incoming and outgoing MCBs, RCCBs, etc any other item required to working order, wall mounted wall mount steel powder coated, IP44 enclosure with neutral link, earth bar and required accessories, all complete as per the								
10.1.01		Distribution Boards with dressing		nr	1.00					
	<u>MAIN/SUB CABLING</u>									
		All under ground cables directly buried in ground/ in the trenches as applicable, to be laid properly and covered with cable tiles, protection tapes, etc for mechanical protection, PVC sleeves may use if required. Rate shall include for all necessary works/accessories such as excavation, sand layers, cable tiles, warning strips and back filling with approved quality earth, properly compacted, to the satisfaction of the Engineer.								

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	All above ground cables shall be laid on cable tray/ trucking /conduits as applicable and covered by tray covers, etc. for mechanical protection. PVC sleeves may use if required. Rate shall include for all necessary works/ accessories such as galvanized brackets, supporting materials, fittings, nails, cable ties, earthing, etc, trays shall be of required sizes, GI powder coated, and shotted, to the satisfaction of Engineer							
10.2.00	<u>GENERALEARTHING</u>							
10.2.01	Allow for the total earthing system inclusive of the necessary cables from all the DBs	item	1.00					
10.3.00	<u>POINTWIRINGANDFITTINGS</u>							
	Rate shall include for supply & installation of cable, conduits for point wiring in concealed installations including lights,switches, power outlet,data points,isolators, etc, all as specified in the drawing							
10.3.01	Supply and Installation of 2 x 1C 1.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring	nr	8.00					
10.3.02	Supply and Installation of 2 x 1C 2.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes,ethernet cables, RJ45 Connectors, VGA cables etc. for	nr	2.00					
10.3.03	the Socket outlets point wiring CAT 6 CABLE	Roll	0.50					
10.3.04	TV Cable	Roll	0.50					
10.4.00	<u>FIXTURES</u>							
	Rate shall include supply and installation of following lighting fixtures, socket outlets as specified and detailed, fixed in position including all fixing accessories, supports and connect to power, under following conditions 1. All bathrooms, out door light fixtures shall be IP65							
	2. All switches & sockets shall be ABB or equivalent brand.							
	<u>LIGHTSANDSWITCHES</u>							
10.4.04	150mm Ceiling light 18W LED	nr	4.00					
10.4.06	Ceiling fan (52" - 54")	nr	1.00					
10.4.08	Light switch (2 G)	nr	2.00					
10.4.13	Fan Switch	nr	1.00					
	<u>SOCKETS</u>							
10.4.14	13 A twin sockets	nr	2.00					
10.4.19	Fiber Socket	nr	1.00					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
10.4.20	Cable TV Socket	nr	1.00					
	TOTAL OF BILL №: 10 - Carried Over To Summary							

SUMMARY OF BILLS OF QUANTITIES
MUSEUM AND CLASSROOM

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -ROOFING WORKS			
Bill №: 05 - DOORS & WINDOWS			
Bill №: 06 - MASONRY			
Bill №: 07 - FLOOR, WALL FINISHINGS			
Bill №: 08 -SUSPENDED CEILING			
Bill №: 09 - PAINTING & DECORATIONS			
Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	72.10					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	17.00					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	14.00					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	31.00					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00			Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>									
		(a)	Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances							
		(b)	Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6.							
		(c)	All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15							
		(d)	Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.							
		(e)	Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork.							
		(f)	Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.							
		(g)	All reinforcing bars shall be high strength bars.							
		(h)	Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent.							
		(i)	All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical.							
		(j)	Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>									
			Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01			50 mm Lean Concrete	m ³	0.65					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>									
	FOUNDATION & FOUNDATION BEAMS									
3.3.01	600	x	600 Foundation F1	m ³	0.81					
3.3.08	300	x	225 mm Foundation Beam FB	m ³	2.68					
	PEDASTAL COLUMNS									
3.3.10	200	x	200 mm Concrete columns C1	m ³	0.18					
			Cement	Bag	36.00					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
						RATE				
			Coarse Sand	Bag	72.00					
			Aggregate	Bag	108.00					
			Admixture	Ltr	3.60					
3.8.00	FORM WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.8.01	600	x	600 Foundation F1	m ²	2.70					
3.8.07	300	x	225 mm Foundation Beam FB	m ²	23.86					
	PEDASTAL COLUMNS									
3.8.09	200	x	200 mm Concrete columns C1	m ²	3.60					
			Plywood 12mm flim faced	Nos	10.00					
			Timber 35x50mm	m ³	0.50					
			Timber Nail 1 1/2"	Kg	10.00					
			Timber Nail 2"	Kg	5.00					
			3" Wooden Screw	Nos	100.00					
			4" Wooden Screw	Nos	100.00					
3.13.00	STEEL WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.13.01	6		mm Steel bar in foundation	nr	53.00					
3.13.01	10		mm Steel bar in foundation	nr	16.00					
3.13.01	12		mm Steel bar in foundation	nr	34.00					
	PEDASTAL COLUMNS									
3.13.06	6		mm in pedastal column	nr	6.00					
3.13.07	12		mm in pedastal column	nr	36.00					
			Binding Wire	Kg	8.41					
3.4.00	GROUND FLOOR									
	COLUMNS									
3.4.01	200	x	200 mm Concrete columns C1	m ³	1.22					
	Floor Slab									
3.4.04			100 mm slab	m ³	6.60					
	Beam									
3.4.06	300	x	200 mm Beam RB1	m ³	1.13					
3.4.06	325	x	200 mm Beam RB2	m ³	2.11					
			Cement	Bag	89.00					
			Coarse Sand	Bag	178.00					
			Aggregate	Bag	267.00					
			Admixture	Ltr	8.90					
3.9.00	FORMWORK									
	COLUMNS									
3.9.01	200	x	200 mm Concrete columns C1	m ²	24.48					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.9.04	Floor Slab 100 mm slab			m ²	7.00					
	Beam									
3.9.06	300	x	200 mm Beam RB1	m ²	15.12					
3.9.06	325	x	200 mm Beam RB2	m ²	27.65					
	Plywood 12mm flim faced			Nos	30.00					
	Timber 35x50mm			m ³	1.00					
	Timber Nail 1 1/2"			Kg	15.00					
	Timber Nail 2"			Kg	5.00					
	3"Wooden Screw			Nos	500.00					
	4" Wooden Screw			Nos	300.00					
3.14.00	<u>STEELWORK</u>									
	Column									
3.14.01	6		mm in column	nr	26.00					
	Floor Slab									
3.14.03	6		mm in Floor slab	nr	137.00					
	Beam									
3.14.05	6		mm in beam	nr	53.00					
3.14.05	12		mm in beam	nr	84.00					
	Binding Wire			Kg	17.40					
3.7.00	<u>OTHERWORKS</u>									
	Lintel, Sill beams & Mid band									
3.7.01	150	x	100 mm Ground Floor	m ³	0.42					
	Cement			Bag	4.00					
	Coarse Sand			Bag	8.00					
	Aggregate			Bag	12.00					
	Admixture			Ltr	0.40					
	FORM WORK									
3.12.01	150	x	100 mm Ground Floor	m ²	8.38					
	STEEL WORK									
3.17.01	10		mm Lintel, Sill beams & Mid band Ground Floor	Nos	10.00					
	Binding Wire			Kg	0.58					
3.9.00	TOTAL OF BILL №: 03 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
04.0.00			Bill No: 04 - ROOFING WORKS							
04.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.							
04.1.02	<u>ROOFINGTIMBERWORKS</u>									
	50	x	150 mm Timber Rafters	m	185.15					
	50	x	50 mm Timber Battens	m	163.46					
04.2.00	<u>GENERAL</u>									
			(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.							
			Lysaght roofing sheet 29" Width	m	129.73					
			Wool insulation 50mmx0.9m x15m	roll	6.00					
			PVC black net	roll	3.00					
			Fascia Gutter 8'	Nos	10.00					
			GI gutter clip	Nos	40.00					
			Gutter strap	Nos	40.00					
			Fascia Capping 8'	Nos	6.00					
			Ridge Capping 8'	Nos	5.00					
			Down spot 3"	Nos	4.00					
			Roofing Screw 3"	Nos	500.00					
			Fascia board Wood plank 4m x 200m x8mm	Nos	4.00					
04.3.00	<u>DOWNPIPE</u>									
			82 mm dia rain water pipe	item	4.00					
			TOTAL OF BILL No: 04 - Carried Over To Summary							

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
5.0.00				Bill №: 05 - DOORS & WINDOWS							
	<u>GENERAL</u>										
				(a) Rates shall include for locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware. (b) Rates shall include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boardings, framing, lining, fastenings and all fixings. (c) Sizes are given overall outside dimensions of actual doors and windows. (d) Thickness and sizes of glass panels are shown on the Drawings and doors and windows schedule (e) Rates shall include for all painting as specified (f) Rates shall include all items specified in the door schedule and specification. (g) Frames and sashes to be 25-60 micron white powder coated aluminium other wise specified.							
5.1.00											
	<u>GROUND FLOOR</u>										
5.1.05	900	x	2200	D1-Timber Door	nr	1.00					
5.1.05	1800	x	2200	D2-Timber Door	nr	1.00					
5.1.12	2450	x	1400	W1-Aluminium Swing Window	nr	2.00					
				TOTAL OF BILL №: 05 - Carried Over To Summary							
6.0.00				Bill №: 06 - MASONRY							
	<u>GENERAL</u>										
				(a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leavingholes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.							
6.1.00	<u>BLOCKWORK</u>										
				Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS)							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.03	150 mm thk full height (Full block)									
	BELOW GROUND FLOOR			m ²	37.89					
	6" Solid Bricks			Nos	871.57					
	Cement			Bag	8.72					
6.1.04	Coarse Sand			Bag	43.58					
	GROUND FLOOR			m ²	117.12					
	6" Solid Bricks			Nos	2,693.85					
	Cement			Bag	26.94					
6.1.06	Coarse Sand			Bag	134.69					
	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar (INTERNAL WALLS).									
	150 mm thk full height (Full block)									
	BELOW GROUND FLOOR			m ²	5.99					
6.1.08	6" Solid Bricks			Nos	137.66					
	Cement			Bag	1.38					
	Coarse Sand			Bag	6.88					
	GROUND FLOOR			m ²	20.52					
6.1.08	6" Solid Bricks			Nos	471.96					
	Cement			Bag	4.72					
	Coarse Sand			Bag	23.60					
				TOTAL OF BILL №: 06 - Carried Over To Summary						
7.0.00				Bill №: 07 - FLOOR, WALL FINISHINGS						
	GENERAL									
			(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing.							
			(b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
7.1.00	PLASTERING									
7.1.03			20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent.							
			BELOW GROUND FLOOR	m ²	30.79					
			Cement	Bag	5.13					
			Coarse Sand	Bag	20.53					
			Fine Sand	Bag	20.53					
7.1.04			GROUND FLOOR	m ²	133.46					
			Cement	Bag	22.24					
			Coarse Sand	Bag	88.97					
			Fine Sand	Bag	88.97					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
7.1.07			16 mm thk cement plaster on internal surface as specified on BELOW GROUND FLOOR	m ²	37.51					
			Cement	Bag	4.69					
			Fine Sand	Bag	18.76					
7.1.07			GROUND FLOOR	m ²	169.96					
			Cement	Bag	21.25					
			Fine Sand	Bag	84.98					
7.2.00	<u>CEMENTSCREED</u>									
7.2.01			50 mm thk cement screed GROUND FLOOR	m ²	65.97					
			Cement	Bag	21.99					
			Coarse Sand	Bag	87.96					
7.3.00	<u>FLOORTILING</u>									
7.3.01	600	x	600 mm Homogenous tiles GROUND FLOOR	m ²	65.97					
			600x600mm Floor tiles	Nos	201.58					
			Tile adhesive 25kg	bag	50.39					
	600	x	100 mm Homogenous skirting tiles							
7.3.04			GROUND FLOOR	m	45.99					
			600x600mm Floor tiles	Nos	15.33					
			Tile adhesive 25kg	bag	3.83					
			TOTAL OF BILL No: 07 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
8.0.00			Bill No: 08 -SUSPENDED CEILING							
	<u>GENERAL</u>									
8.1.00			(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws. <u>PLASTERBOARDCEILING</u>							
8.1.02			Fixed plasterboard ceiling system with timber framing TOILETS,ROOFING DOWN GROUND ROOFING AREA	m ²	81.73					
			6mm cement Board	Nos	28.38					
			35 x 50 mm treated pine wood timber	m	490.38					
			3" black Screw	Nos	612.98					
			1 1/2" black screw	Nos	678.36					
			1" black screw	Nos	678.36					
			1 1/2" Wall plug	Nos	612.98					
			TOTAL OF BILL No: 08 - Carried Over To Summary							
9.0.00			Bill No: 09 - PAINTING & DECORATIONS							
	<u>GENERAL</u>									
			(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture. (b) All painting work shall be carried in accordance with the Specifications.							
9.1.00	<u>WALLPAINTING</u>									
9.1.02			Weatherbound paint finish as specified (EXTERNAL SURFACES) GROUND FLOOR	m ²	133.46					
			Exterior Wall sealer	Ltr	38.13					
			Enamel Paint	Ltr	38.13					
9.1.05			Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES) GROUND FLOOR	m ²	169.96					
			Interior Wall sealer	Ltr	37.77					
			Interior Putty	Kg	169.96					
			Emulsion Paint	Ltr	37.77					
9.2.00	<u>CEILINGPAINTING</u>									
			Selected paint finish including putty application on ceiling as specified (CEILING)							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
9.2.01			GROUND FLOOR Interior Wall sealer Interior Putty Emulsion Paint	m ² Ltr Kg Ltr	81.73 18.16 81.73 18.16					
			TOTAL OF BILL №: 09 - Carried Over To Summary							
10.0.00			Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES							
	<u>GENERAL</u>									
		(a)	Design, provide and install electrical network for the entire building complete in accordance to standards set by the local governing body STELCO/FENAKA							
			<u>MainConnections</u>							
10.4.02			Supply and installation of electrical meter	nr	1.00					
10.4.02			STELCO Main connection (Approximate)	nr	1.00					
			<u>GROUND FLOOR</u>							
10.1.00			<u>MAIN DISTRIBUTION, SUB DISTRIBUTION AND DISTRIBUTION SYSTEM</u>							
			<u>Internal DB Connections</u>							
10.4.02			DB to Main Panel board cabling	nr	1.00					
			<u>Distribution Boards (DB)</u>							
			Distribution Panel for each floor as shown on the drawing, complete with all incoming and outgoing MCBs, RCCBs, etc any other item required to working order, wall mounted wall mount steel powder coated, IP44 encloser with neutral link, earth bar and required accessories, all complete as per the							
10.1.01			Distribution Boards with dressing	nr	1.00					
			<u>MAIN/SUBCABLING</u>							
			All under ground cables directly buried in ground/ in the trenches as appilcable, to be laid properly and covered with cable tiles, protection tapes, etc for mechanical protection, PVC sleeves may use if required. Rate shall include for all necessary works/accessories such as excavation, sand layers, cable tiles, warning strips and back filling with approved quality earth, properly compacted, to the satisfaction of the Engineer.							
			All above ground cables shall be laid on cable tray/ trucking /conduits as appilcable and covered by tray covers, etc. for mechanical protection. PVC sleeves may use if required. Rate shall include for all necessary works/ accessories such as galvernized brackets, supporting materials, fittings, nails, cable ties, earthing, etc, trays shall be of required sizes, GI powder coated, and shotted, to the satisfaction of Engineer							

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
10.2.00	<u>GENERALEARTHING</u>							
10.2.01	Allow for the total earthing system inclusive of the necessary cables from all the DBs	item	1.00					
10.3.00	<u>POINTWIRINGANDFITTINGS</u>							
	Rate shall include for supply & installation of cable, conduits for point wiring in concealed installations including lights,switches, power outlet,data points,isolators, etc, all as specified in the drawing							
10.3.01	Supply and Installation of 2 x 1C 1.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring	nr	40.00					
10.3.02	Supply and Installation of 2 x 1C 2.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes,ethernet cables, RJ45 Connectors, VGA cables etc. for the Socket outlets point wiring	nr	8.00					
10.3.03	CAT 6 CABLE	Roll	0.50					
10.3.04	TV Cable	Roll	0.50					
10.4.00	<u>FIXTURES</u>							
	Rate shall include supply and installation of following lighting fixtures, socket outlets as specified and detailed, fixed in position including all fixing accessories, supports and connect to power, under following conditions 1. All bathrooms, out door light fixtures shall be IP65 2. All switches & sockets shall be ABB or equivalent brand.							
	<u>LIGHTSANDSWITCHES</u>							
10.4.02	Outdoor Wall Light	nr	2.00					
10.4.04	150mm Ceiling light 18W LED	nr	24.00					
10.4.06	Ceiling fan (52" - 54")	nr	4.00					
10.4.08	Light switch (1 G)	nr	2.00					
10.4.08	Light switch (3 G)	nr	8.00					
	<u>SOCKETS</u>							
10.4.14	13 A twin sockets	nr	8.00					
10.4.19	Fiber Socket	nr	2.00					
10.4.20	Cable TV Socket	nr	2.00					
	TOTAL OF BILL No: 10 - Carried Over To Summary							

SUMMARY OF BILLS OF QUANTITIES
LIBRARY

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -ROOFING WORKS			
Bill №: 05 - DOORS & WINDOWS			
Bill №: 06 - MASONRY			
Bill №: 07 - FLOOR, WALL FINISHINGS			
Bill №: 08 -SUSPENDED CEILING			
Bill №: 09 - PAINTING & DECORATIONS			
Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	37.18					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	25.00					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	20.00					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	56.00					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00			Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>									
			Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01			50 mm Lean Concrete	m ³	1.08					
3.3.00	<u>REINFORCEDINSITU CONCRETE</u>									
	FOUNDATION & FOUNDATION BEAMS									
3.3.01	600	x	600 Foundation F1	m ³	0.81					
3.3.08	300	x	225 mm Foundation Beam FB	m ³	2.33					
3.3.08	200	x	250 mm Foundation Beam FB1	m ³	2.01					
3.3.08	125	x	100 mm Capping Beam CB	m ³	0.44					
	PEDASTAL COLUMNS									
3.3.10	200	x	200 mm Concrete columns C1	m ³	0.18					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
						RATE				
3.3.10	150	x	100 mm Concrete columns BC	m ³	0.10					
			Cement	Bag	57.00					
			Coarse Sand	Bag	114.00					
			Aggregate	Bag	171.00					
			Admixture	Ltr	5.70					
3.8.00	FORM WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.8.01	600	x	600 Foundation F1	m ²	2.70					
3.8.07	300	x	225 mm Foundation Beam FB	m ²	20.74					
3.8.07	200	x	250 mm Foundation Beam FB1	m ²	16.06					
3.8.07	125	x	100 mm Capping Beam CB	m ²	8.78					
	PEDASTAL COLUMNS									
3.8.09	200	x	200 mm Concrete columns C1	m ²	3.60					
3.8.09	150	x	100 mm Concrete columns C2	m ²	3.25					
			Plywood 12mm flim faced	Nos	10.00					
			Timber 35x50mm	m ³	0.50					
			Timber Nail 1 1/2"	Kg	10.00					
			Timber Nail 2"	Kg	5.00					
			3"Wooden Screw	Nos	100.00					
			4" Wooden Screw	Nos	100.00					
3.13.00	STEEL WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.13.01	6		mm Steel bar in foundation	nr	94.00					
3.13.01	10		mm Steel bar in foundation	nr	31.00					
3.13.01	12		mm Steel bar in foundation	nr	63.00					
	PEDASTAL COLUMNS									
3.13.06	6		mm in pedastal column	nr	9.00					
3.13.07	10		mm in pedastal column	nr	13.00					
3.13.07	12		mm in pedastal column	nr	49.00					
			Binding Wire	Kg	15.02					
3.4.00	GROUND FLOOR									
	COLUMNS									
3.4.01	200	x	200 mm Concrete columns C1	m ³	1.22					
3.4.01	150	x	100 mm Concrete columns BC	m ³	0.39					
	Floor Slab									
3.4.04			100 mm slab	m ³	3.36					
	Beam									
3.4.06	300	x	200 mm Beam RB1	m ³	2.09					
			Cement	Bag	56.00					
			Coarse Sand	Bag	112.00					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	Aggregate			Bag	168.00					
	Admixture			Ltr	5.60					
3.9.00	FORMWORK									
	COLUMNS									
3.9.01	200	x	200 mm Concrete columns C1	m ²	24.48					
3.9.01	150	x	100 mm Concrete columns BC	m ²	13.00					
	Floor Slab									
3.9.04	100 mm slab			m ²	3.00					
	Beam									
3.9.06	300	x	200 mm Beam RB1	m ²	27.83					
	Plywood 12mm flim faced			Nos	30.00					
	Timber 35x50mm			m ³	1.00					
	Timber Nail 1 1/2"			Kg	15.00					
	Timber Nail 2"			Kg	5.00					
	3"Wooden Screw			Nos	500.00					
	4" Wooden Screw			Nos	300.00					
3.14.00	STEELWORK									
	Column									
3.14.01	6		mm in column	nr	30.00					
	Floor Slab									
3.14.03	6		mm in Floor slab	nr	71.00					
	Beam									
3.14.05	6		mm in beam	nr	35.00					
3.14.05	12		mm in beam	nr	30.00					
	Binding Wire			Kg	9.63					
3.7.00	OTHERWORKS									
	Lintel, Sill beams & Mid band									
3.7.01	150	x	100 mm Ground Floor	m ³	0.34					
	Cement			Bag	4.00					
	Coarse Sand			Bag	8.00					
	Aggregate			Bag	12.00					
	Admixture			Ltr	0.40					
	FORM WORK									
3.12.01	150	x	100 mm Ground Floor	m ²	6.75					
	STEEL WORK									
3.17.01	10		mm Lintel, Sill beams & Mid band Ground Floor	Nos	8.00					
	Binding Wire			Kg	0.46					

ITEM	DESCRIPTION				UNIT	QTY				
3.9.00				TOTAL OF BILL №: 03 - Carried Over To Summary						
04.0.00				BILL №: 04 -ROOFING WORKS						
04.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.									
04.1.02	<u>ROOFINGTIMBERWORKS</u>									
	50	x	150	mm Timber Rafters	m	107.53				
	50	x	50	mm Timber Battens	m	87.04				
04.2.00	<u>GENERAL</u>									
	(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.									
	Lysaght roofing sheet 29" Width				m	69.08				
	Wool insulation 50mmx0.9m x15m				roll	3.50				
	PVC black net				roll	2.00				
	Fascia Gutter 8'				Nos	6.00				
	Gutter clip				Nos	24.00				
	Gutter strap				Nos	24.00				
	Fascia Capping 8'				Nos	6.00				
	Ridge Capping 8'				Nos	3.00				
	Down spot 3"				Nos	4.00				
	Roofing Screw 3"				Nos	500.00				
	Fascia board Wood plank 4m x 200m x8mm				Nos	4.00				
04.3.00	<u>DOWNPIPE</u>									
				82 mm dia rain water pipe	item	4.00				
				TOTAL OF BILL №: 04 - Carried Over To Summary						

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
5.0.00										
	<u>GENERAL</u>									
			(a) Rates shall include for locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware. (b) Rates shall include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boardings, framing, lining, fastenings and all fixings. (c) Sizes are given overall outside dimensions of actual doors and windows. (d) Thickness and sizes of glass panels are shown on the Drawings and doors and windows schedule (e) Rates shall include for all painting as specified (f) Rates shall include all items specified in the door schedule and specification. (g) Frames and sashes to be 25-60 micron white powder coated aluminium other wise specified.							
5.1.00										
	<u>GROUND FLOOR</u>									
5.1.05	900	x	2200	D1-Timber Door	nr	1.00				
5.1.12	2450	x	1400	W1-Aluminium Swing Window	nr	2.00				
				TOTAL OF BILL №: 05 - Carried Over To Summary						
6.0.00										
	<u>GENERAL</u>									
			(a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leavingholes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.							
6.1.00	<u>BLOCKWORK</u>									
6.1.03			150	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS) mm thk full height (Full block) BELOW GROUND FLOOR	m ²	28.84				

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.04			6" Solid Bricks	Nos	663.26					
			Cement	Bag	6.63					
			Coarse Sand	Bag	33.16					
			GROUND FLOOR	m ²	131.40					
			6" Solid Bricks	Nos	3,022.29					
			Cement	Bag	30.22					
			Coarse Sand	Bag	151.11					
			TOTAL OF BILL No: 06 - Carried Over To Summary							
7.0.00			Bill No: 07 - FLOOR, WALL FINISHINGS							
	<u>GENERAL</u>									
			(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing. (b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
7.1.00	<u>PLASTERING</u>									
7.1.03			20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent.							
			BELOW GROUND FLOOR	m ²	19.49					
			Cement	Bag	3.25					
			Coarse Sand	Bag	12.99					
			Fine Sand	Bag	12.99					
7.1.04			GROUND FLOOR	m ²	216.58					
			Cement	Bag	36.10					
			Coarse Sand	Bag	144.39					
			Fine Sand	Bag	144.39					
7.1.07			16 mm thk cement plaster on internal surface as specified on							
			BELOW GROUND FLOOR	m ²	19.75					
			Cement	Bag	2.47					
			Fine Sand	Bag	9.88					
7.1.07			GROUND FLOOR	m ²	83.49					
			Cement	Bag	10.44					
			Fine Sand	Bag	41.74					
7.2.00	<u>CEMENTSCREED</u>									
7.2.01			50 mm thk cement screed							
			GROUND FLOOR	m ²	33.70					
			Cement	Bag	11.23					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
7.3.00	<u>FLOOR TILING</u>			Coarse Sand	Bag	44.93				
7.3.01	600	x	600	mm Homogenous tiles						
				GROUND FLOOR	m ²	33.70				
				600x600mm Floor tiles	Nos	102.97				
				Tile adhesive 25kg	bag	25.74				
7.3.04	600	x	100	mm Homogenous skirting tiles						
				GROUND FLOOR	m	24.69				
				600x600mm Floor tiles	Nos	8.23				
				Tile adhesive 25kg	bag	2.06				
				TOTAL OF BILL №: 07 - Carried Over To Summary						
8.0.00				Bill №: 08 -SUSPENDED CEILING						
	<u>GENERAL</u>									
8.1.00				(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.						
	<u>PLASTERBOARD CEILING</u>									
8.1.02				Fixed plasterboard ceiling system with timber framing						
				TOILETS, ROOFING DOWN						
				GROUND ROOFING AREA	m ²	43.52				
				6mm cement Board	Nos	15.11				
				35 x 50 mm treated pine wood timber	m	261.11				
				3" black Screw	Nos	326.39				
				1 1/2" black screw	Nos	361.20				
				1" black screw	Nos	361.20				
				1 1/2" Wall plug	Nos	326.39				
				TOTAL OF BILL №: 08 - Carried Over To Summary						
9.0.00				Bill №: 09 - PAINTING & DECORATIONS						
	<u>GENERAL</u>									
				(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture.						
				(b) All painting work shall be carried in accordance with the Specifications.						
9.1.00	<u>WALL PAINTING</u>									
9.1.02				Weatherbound paint finish as specified (EXTERNAL SURFACES)						
				GROUND FLOOR	m ²	216.58				

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
9.1.05			Exterior Wall sealer	Ltr	61.88					
			Enamel Paint	Ltr	61.88					
			Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES)							
			GROUND FLOOR	m ²	83.49					
			Interior Wall sealer	Ltr	18.55					
			Interior Putty	Kg	83.49					
9.2.00	<u>CEILINGPAINTING</u>		Emulsion Paint	Ltr	18.55					
9.2.01			Selected paint finish including putty application on ceiling as specified (CEILING)							
			GROUND FLOOR	m ²	43.52					
			Interior Wall sealer	Ltr	9.67					
			Interior Putty	Kg	43.52					
			Emulsion Paint	Ltr	9.67					
			TOTAL OF BILL №: 09 - Carried Over To Summary							
10.0.00	<u>GENERAL</u>		Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES							
	(a) Design, provide and install electrical network for the entire building complete in accordance to standards set by the local governing body STELCO/FENAKA									
	<u>MainConnections</u>									
10.4.02	Supply and installation of electrical meter			nr	1.00					
10.4.02	STELCO Main connection (Approximate)			nr	1.00					
	<u>GROUND FLOOR</u>									
10.1.00	<u>MAINDISTRIBUTION,SUBDISTRIBUTIONANDDISTRIBUTIONSYSTEM</u>									
	<u>InternalDBConnections</u>									
10.4.02	DB to Main Panel board cabling			nr	1.00					
	<u>DistributionBoards(DB)</u>									
	Distribution Panel for each floor as shown on the drawing, complete with all incoming and outgoing MCBs, RCCBs, etc any other item required to working order, wall mounted wall mount steel powder coated, IP44 enclouser with neutral link, earth bar and required accessories, all complete as per the									
10.1.01	Distribution Boards with dressing			nr	1.00					
	MAIN/SUBCABLING									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
				RATE				
	All under ground cables directly buried in ground/ in the trenches as applicable, to be laid properly and covered with cable tiles, protection tapes, etc for mechanical protection, PVC sleeves may use if required. Rate shall include for all necessary works/accessories such as excavation, sand layers, cable tiles, warning strips and back filling with approved quality earth, properly compacted, to the satisfaction of the Engineer.							
	All above ground cables shall be laid on cable tray/ trucking /conduits as applicable and covered by tray covers, etc. for mechanical protection. PVC sleeves may use if required. Rate shall include for all necessary works/ accessories such as galvanized brackets, supporting materials, fittings, nails, cable ties, earthing, etc, trays shall be of required sizes, GI powder coated, and shotted, to the satisfaction of Engineer							
10.2.00	<u>GENERALEARTHING</u>							
10.2.01	Allow for the total earthing system inclusive of the necessary cables from all the DBs	item	1.00					
10.3.00	<u>POINTWIRINGANDFITTINGS</u>							
	Rate shall include for supply & installation of cable, conduits for point wiring in concealed installations including lights, switches, power outlet, data points, isolators, etc, all as specified in the drawing							
10.3.01	Supply and Installation of 2 x 1C 1.5mm ² PVC/PVC/Cu + 2.5mm ² PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring	nr	38.00					
10.3.02	Supply and Installation of 2 x 1C 2.5mm ² PVC/PVC/Cu + 2.5mm ² PVC/Cu earth cable c/w uPVC conduit, junction boxes, ethernet cables, RJ45 Connectors, VGA cables etc. for	nr	8.00					
10.3.03	the Socket outlets point wiring CAT 6 CABLE	Roll	0.50					
10.3.04	TV Cable	Roll	0.50					
10.4.00	<u>FIXTURES</u>							
	Rate shall include supply and installation of following lighting fixtures, socket outlets as specified and detailed, fixed in position including all fixing accessories, supports and connect to power, under following conditions 1. All bathrooms, out door light fixtures shall be IP65							
	2. All switches & sockets shall be ABB or equivalent brand.							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	<u>LIGHTSANDSWITCHES</u>									
10.4.02	Outdoor Wall Light			nr	6.00					
10.4.04	150mm Ceiling light 18W LED			nr	16.00					
10.4.06	Ceiling fan (52" - 54")			nr	4.00					
10.4.08	Light switch (1 G)			nr	2.00					
10.4.08	Light switch (2 G)			nr	2.00					
10.4.09	Light switch (4 G)			nr	4.00					
10.4.13	Fan Switch			nr	4.00					
	<u>SOCKETS</u>									
10.4.14	13 A twin sockets			nr	8.00					
10.4.19	Fiber Socket			nr	1.00					
10.4.20	Cable TV Socket			nr	1.00					
				TOTAL OF BILL №: 10 - Carried Over To Summary						

SUMMARY OF BILLS OF QUANTITIES
RECEPTION

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -ROOFING WORKS			
Bill №: 05 - DOORS & WINDOWS			
Bill №: 06 - MASONRY			
Bill №: 07 - FLOOR, WALL FINISHINGS			
Bill №: 08 -SUSPENDED CEILING			
Bill №: 09 - PAINTING & DECORATIONS			
Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u>							
	Abbreviations							
	m - metre							
	nr - numbers							
	m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u>							
	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	29.46					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	15.00					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	12.00					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	26.50					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00			Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>									
			Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01			50 mm Lean Concrete	m ³	1.08					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>									
	FOUNDATION & FOUNDATION BEAMS									
3.3.01	600	x	600 Foundation F1	m ³	0.90					
3.3.08	300	x	225 mm Foundation Beam FB	m ³	2.19					
	PEDASTAL COLUMNS									
3.3.10	200	x	200 mm Concrete columns C1	m ³	0.12					
3.3.10	200	x	200 mm Concrete columns C2	m ³	0.08					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
						RATE				
	Cement			Bag	36.00					
	Coarse Sand			Bag	72.00					
	Aggregate			Bag	108.00					
	Admixture			Ltr	3.60					
3.8.00	FORM WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.8.01	600	x	600 Foundation F1	m ²	3.00					
3.8.07	300	x	225 mm Foundation Beam FB	m ²	19.50					
	PEDASTAL COLUMNS									
3.8.09	200	x	200 mm Concrete columns C1	m ²	2.40					
3.8.09	200	x	200 mm Concrete columns C2	m ²	1.60					
	Plywood 12mm flim faced			Nos	10.00					
	Timber 35x50mm			m ³	0.50					
	Timber Nail 1 1/2"			Kg	10.00					
	Timber Nail 2"			Kg	5.00					
	3"Wooden Screw			Nos	100.00					
	4" Wooden Screw			Nos	100.00					
3.13.00	STEEL WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.13.01	6		mm Steel bar in foundation	nr	47.00					
3.13.01	10		mm Steel bar in foundation	nr	17.00					
3.13.01	12		mm Steel bar in foundation	nr	29.00					
	PEDASTAL COLUMNS									
3.13.06	6		mm in pedastal column	nr	7.00					
3.13.07	12		mm in pedastal column	nr	48.00					
	Binding Wire			Kg	8.58					
3.4.00	GROUND FLOOR									
	COLUMNS									
3.4.01	200	x	200 mm Concrete columns C1	m ³	0.82					
3.4.01			200 mm Concrete columns C2	m ³	0.54					
	Floor Slab									
3.4.04			100 mm slab	m ³	3.20					
	Beam									
3.4.06	300	x	200 mm Beam RB1	m ³	1.97					
	Cement			Bag	52.00					
	Coarse Sand			Bag	104.00					
	Aggregate			Bag	156.00					
	Admixture			Ltr	5.20					
3.9.00	FORMWORK									
	COLUMNS									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.9.01	200 x 200 mm Concrete columns C1	m ²	16.32					
3.9.01	200 mm Concrete columns C2	m ²	10.88					
	Floor Slab							
3.9.04	100 mm slab	m ²	3.00					
	Beam							
3.9.06	300 x 200 mm Beam RB1	m ²	26.20					
	Plywood 12mm flim faced	Nos	16.00					
	Timber 35x50mm	m ³	0.50					
	Timber Nail 1 1/2"	Kg	15.00					
	Timber Nail 2"	Kg	5.00					
	3"Wooden Screw	Nos	500.00					
	4" Wooden Screw	Nos	300.00					
3.14.00	<u>STEELWORK</u>							
	Column							
3.14.01	6 mm in column	nr	26.00					
	Floor Slab							
3.14.03	6 mm in Floor slab	nr	67.00					
	Beam							
3.14.05	6 mm in beam	nr	33.00					
3.14.05	12 mm in beam	nr	29.00					
	Binding Wire	Kg	8.99					
3.7.00	<u>OTHERWORKS</u>							
	Lintel, Sill beams & Mid band							
3.7.01	150 x 100 mm Ground Floor	m ³	0.26					
	Cement	Bag	3.00					
	Coarse Sand	Bag	6.00					
	Aggregate	Bag	9.00					
	Admixture	Ltr	0.30					
	FORM WORK							
3.12.01	150 x 100 mm Ground Floor	m ²	5.28					
	STEEL WORK							
3.17.01	10 mm Lintel, Sill beams & Mid band Ground Floor	Nos	6.00					
	Binding Wire	Kg	0.35					
3.9.00	TOTAL OF BILL №: 03 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
04.0.00			Bill №: 04 - ROOFING WORKS							
04.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.							
04.1.02	<u>ROOFINGTIMBERWORKS</u>									
	50	x	150 mm Timber Rafters	m	100.38					
	50	x	50 mm Timber Battens	m	89.26					
04.2.00	<u>GENERAL</u>									
			(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.							
			Lysaght roofing sheet 29" Width	m	70.84					
			Wool insulation 50mmx0.9m x15m	roll	4.00					
			PVC black net	roll	2.00					
			Fascia Gutter 8'	Nos	7.00					
			GI gutter clip	Nos	28.00					
			Gutter strap	Nos	28.00					
			Fascia Capping 8'	Nos	10.00					
			Ridge Capping 8'	Nos	2.00					
			Apron Capping 8'	Nos	4.00					
			Down spot 3"	Nos	8.00					
			Roofing Screw 3"	Nos	100.00					
			Fascia board Wood plank 4m x 200m x8mm	Nos	10.00					
04.3.00	<u>DOWNPIPE</u>									
			82 mm dia rain water pipe	item	8.00					
			TOTAL OF BILL №: 04 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.0.00			Bill №: 06 - MASONRY							
	<u>GENERAL</u>									
			(a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leavingholes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.							
6.1.00	<u>BLOCKWORK</u>									
6.1.03			150 mm thk full height (Full block) BELOW GROUND FLOOR	m ²	8.03					
			6" Solid Bricks	Nos	184.71					
			Cement	Bag	1.85					
			Coarse Sand	Bag	9.24					
6.1.04			GROUND FLOOR	m ²	42.67					
			6" Solid Bricks	Nos	981.36					
			Cement	Bag	9.81					
			Coarse Sand	Bag	49.07					
			TOTAL OF BILL №: 06 - Carried Over To Summary							

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
7.0.00	Bill No: 07 - FLOOR, WALL FINISHINGS							
	<u>GENERAL</u>							
	(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing. (b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
7.1.00	<u>PLASTERING</u>							
7.1.03	20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent. BELOW GROUND FLOOR	m ²	14.45					
	Cement	Bag	2.41					
	Coarse Sand	Bag	9.63					
	Fine Sand	Bag	9.63					
7.1.04	GROUND FLOOR	m ²	53.48					
	Cement	Bag	8.91					
	Coarse Sand	Bag	35.65					
	Fine Sand	Bag	35.65					
7.1.07	16 mm thk cement plaster on internal surface as specified on BELOW GROUND FLOOR	m ²	13.89					
	Cement	Bag	1.74					
	Fine Sand	Bag	6.94					
7.1.07	GROUND FLOOR	m ²	63.21					
	Cement	Bag	7.90					
	Fine Sand	Bag	31.61					
7.2.00	<u>CEMENTSCREED</u>							
7.2.01	50 mm thk cement screed GROUND FLOOR	m ²	32.00					
	Cement	Bag	10.67					
	Coarse Sand	Bag	42.67					
7.3.00	<u>FLOORTILING</u>							
7.3.01	600 x 600 mm Homogenous tiles GROUND FLOOR	m ²	32.00					
	600x600mm Floor tiles	Nos	97.78					
	Tile adhesive 25kg	bag	24.44					
	600 x 100 mm Homogenous skirting tiles							
7.3.04	GROUND FLOOR	m	55.05					

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	600x600mm Floor tiles				Nos	18.35					
	Tile adhesive 25kg				bag	4.59					
				TOTAL OF BILL №: 07 - Carried Over To Summary							
8.0.00				Bill №: 08 -SUSPENDE CEILING							
	<u>GENERAL</u>										
8.1.00	(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws. PLASTERBOARDCEILING										
8.1.02	Fixed plasterboard ceiling system with timber framing TOILETS,ROOFING DOWN GROUND ROOFING AREA				m ²	15.36					
	6mm cement Board				Nos	5.33					
	35 x 50 mm treated pine wood timber				m	92.18					
	3" black Screw				Nos	115.23					
	1 1/2" black screw				Nos	127.52					
	1" black screw				Nos	127.52					
	1 1/2" Wall plug				Nos	115.23					
				TOTAL OF BILL №: 08 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
9.0.00			Bill №: 09 - PAINTING & DECORATIONS							
	<u>GENERAL</u>									
			(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture. (b) All painting work shall be carried in accordance with the Specifications.							
9.1.00	<u>WALLPAINTING</u>									
9.1.02			Weatherbound paint finish as specified (EXTERNAL SURFACES) GROUND FLOOR	m ²	53.48					
			Exterior Wall sealer	Ltr	15.28					
			Enamel Paint	Ltr	15.28					
9.1.05			Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES) GROUND FLOOR	m ²	63.21					
			Interior Wall sealer	Ltr	14.05					
			Interior Putty	Kg	63.21					
			Emulsion Paint	Ltr	14.05					
9.2.00	<u>CEILINGPAINTING</u>									
9.2.01			Selected paint finish including putty application on ceiling as specified (CEILING) GROUND FLOOR	m ²	15.36					
			Interior Wall sealer	Ltr	3.41					
			Interior Putty	Kg	15.36					
			Emulsion Paint	Ltr	3.41					
			TOTAL OF BILL №: 09 - Carried Over To Summary							

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
10.0.00	GENERAL	Bill No: 10 - MECHANICAL & ELECTRICAL SERVICES						
	(a) Design, provide and install electrical network for the entire building complete in accordance to standards set by the local governing body STELCO/FENAKA							
	<u>MainConnections</u>							
10.4.02	Supply and installation of electrical meter	nr	1.00					
10.4.02	STELCO Main connection (Approximate)	nr	1.00					
	<u>GROUND FLOOR</u>							
10.1.00	<u>MAIN DISTRIBUTION, SUB DISTRIBUTION AND DISTRIBUTION SYSTEM</u>							
	<u>Internal DB Connections</u>							
10.4.02	DB to Main Panel board cabling	nr	1.00					
	<u>Distribution Boards (DB)</u>							
	Distribution Panel for each floor as shown on the drawing, complete with all incoming and outgoing MCBs, RCCBs, etc any other item required to working order, wall mounted wall mount steel powder coated, IP44 encloser with neutral link, earth bar and required accessories, all complete as per the							
10.1.01	Distribution Boards with dressing	nr	1.00					
	<u>MAIN/SUB CABLING</u>							
	All under ground cables directly buried in ground/ in the trenches as applicable, to be laid properly and covered with cable tiles, protection tapes, etc for mechanical protection, PVC sleeves may use if required. Rate shall include for all necessary works/accessories such as excavation, sand layers, cable tiles, warning strips and back filling with approved quality earth, properly compacted, to the satisfaction of the Engineer.							
	All above ground cables shall be laid on cable tray/ trucking /conduits as applicable and covered by tray covers, etc. for mechanical protection. PVC sleeves may use if required. Rate shall include for all necessary works/ accessories such as galvanized brackets, supporting materials, fittings, nails, cable ties, earthing, etc, trays shall be of required sizes, GI powder coated, and shotted, to the satisfaction of Engineer							
10.2.00	<u>GENERAL EARTHING</u>							
10.2.01	Allow for the total earthing system inclusive of the necessary cables from all the DBs	item	1.00					
10.3.00	<u>POINT WIRING AND FITTINGS</u>							

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
10.3.01	Rate shall include for supply & installation of cable, conduits for point wiring in concealed installations including lights,switches, power outlet,data points,isolators, etc, all as specified in the drawing							
10.3.02	Supply and Installation of 2 x 1C 1.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring	nr	18.00					
10.3.03	Supply and Installation of 2 x 1C 2.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes,ethernet cables, RJ45 Connectors, VGA cables etc. for the Socket outlets point wiring	nr	4.00					
10.3.04	CAT 6 CABLE	Roll	0.50					
10.3.04	TV Cable	Roll	0.50					
10.4.00	<u>FIXTURES</u>							
	Rate shall include supply and installation of following lighting fixtures, socket outlets as specified and detailed, fixed in position including all fixing accessories, supports and connect to power, under following conditions							
	1. All bathrooms, out door light fixtures shall be IP65							
	2. All switches & sockets shall be ABB or equivalent brand.							
	<u>LIGHTSANDSWITCHES</u>							
10.4.02	Outdoor Wall Light	nr	2.00					
10.4.04	150mm Ceiling light 18W LED	nr	8.00					
10.4.06	Ceiling fan (52" - 54")	nr	2.00					
10.4.08	Light switch (1 G)	nr	2.00					
10.4.09	Light switch (4 G)	nr	2.00					
10.4.13	Fan Switch	nr	2.00					
	<u>SOCKETS</u>							
10.4.14	13 A twin sockets	nr	4.00					
10.4.19	Fiber Socket	nr	1.00					
10.4.20	Cable TV Socket	nr	1.00					
	TOTAL OF BILL №: 10 - Carried Over To Summary							

SUMMARY OF BILLS OF QUANTITIES
KITCHEN AND INDOOR DINING

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -ROOFING WORKS			
Bill №: 05 - DOORS & WINDOWS			
Bill №: 06 - MASONRY			
Bill №: 07 - FLOOR, WALL FINISHINGS			
Bill №: 08 -SUSPENDED CEILING			
Bill №: 09 - PAINTING & DECORATIONS			
Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES			
Bill №: 11 - PLUMBING			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u>							
	Abbreviations							
	m - metre							
	nr - numbers							
	m3 - cubic metres							
	m2 - square metres							
	m - linear metre							
	t - tons							
	inc. - including							
	mm - millimetre							
	SS - stainless steel							
	GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u>							
	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	89.62					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	36.00					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	32.00					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	63.00					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00			Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>									
			Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01			50 mm Lean Concrete	m ³	1.35					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>									
	FOUNDATION & FOUNDATION BEAMS									
3.3.01	600	x	600 Foundation F1	m ³	1.80					
3.3.08	300	x	225 mm Foundation Beam FB	m ³	5.54					
	PEDASTAL COLUMNS									
3.3.10	200	x	200 mm Concrete columns C1	m ³	0.16					
3.3.10	200	x	200 mm Concrete columns C2	m ³	0.22					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
						RATE				
	Cement			Bag	74.00					
	Coarse Sand			Bag	148.00					
	Aggregate			Bag	222.00					
	Admixture			Ltr	7.40					
3.8.00	FORM WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.8.01	600	x	600 Foundation F1	m ²	6.00					
3.8.07	300	x	225 mm Foundation Beam FB	m ²	49.24					
	PEDASTAL COLUMNS									
3.8.09	200	x	200 mm Concrete columns C1	m ²	3.20					
3.8.09	200	x	200 mm Concrete columns C2	m ²	4.40					
	Plywood 12mm flim faced			Nos	10.00					
	Timber 35x50mm			m ³	0.50					
	Timber Nail 1 1/2"			Kg	10.00					
	Timber Nail 2"			Kg	5.00					
	3"Wooden Screw			Nos	100.00					
	4" Wooden Screw			Nos	100.00					
3.13.00	STEEL WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.13.01	6		mm Steel bar in foundation	nr	112.00					
3.13.01	10		mm Steel bar in foundation	nr	33.00					
3.13.01	12		mm Steel bar in foundation	nr	71.00					
	PEDASTAL COLUMNS									
3.13.06	6		mm in pedastal column	nr	13.00					
3.13.07	12		mm in pedastal column	nr	98.00					
	Binding Wire			Kg	18.97					
3.4.00	GROUND FLOOR									
	COLUMNS									
3.4.01	200	x	200 mm Concrete columns C1	m ³	1.09					
3.4.01			200 mm Concrete columns C2	m ³	1.50					
	Floor Slab									
3.4.04			100 mm slab	m ³	8.87					
	Beam									
3.4.06	300	x	200 mm Beam RB1	m ³	4.95					
	Cement			Bag	131.00					
	Coarse Sand			Bag	262.00					
	Aggregate			Bag	393.00					
	Admixture			Ltr	13.10					
3.9.00	FORMWORK									
	COLUMNS									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.9.01	200 x 200 mm Concrete columns C1	m ²						
3.9.01	200 mm Concrete columns C2	m ²						
	Floor Slab							
3.9.04	100 mm slab	m ²						
	Beam							
3.9.06	300 x 200 mm Beam RB1	m ²						
	Plywood 12mm flim faced	Nos						
	Timber 35x50mm	m ³						
	Timber Nail 1 1/2"	Kg						
	Timber Nail 2"	Kg						
	3"Wooden Screw	Nos						
	4" Wooden Screw	Nos						
3.14.00	<u>STEELWORK</u>							
	Column							
3.14.01	6 mm in column	nr						
	Floor Slab							
3.14.03	6 mm in Floor slab	nr						
	Beam							
3.14.05	6 mm in beam	nr						
3.14.05	12 mm in beam	nr						
	Binding Wire	Kg						
3.7.00	<u>OTHERWORKS</u>							
	Lintel, Sill beams & Mid band							
3.7.01	150 x 100 mm Ground Floor	m ³						
	Cement	Bag						
	Coarse Sand	Bag						
	Aggregate	Bag						
	Admixture	Ltr						
	FORM WORK							
3.12.01	150 x 100 mm Ground Floor	m ²						
	STEEL WORK							
3.17.01	10 mm Lintel, Sill beams & Mid band Ground Floor	Nos						
	Binding Wire	Kg						
3.9.00	TOTAL OF BILL №: 03 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
04.0.00			Bill №: 04 - ROOFING WORKS							
04.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.							
04.1.02	<u>ROOFINGTIMBERWORKS</u>									
	50	x	150 mm Timber Rafters	m	268.33					
	50	x	50 mm Timber Battens	m	232.00					
04.2.00	<u>GENERAL</u>									
			(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.							
			Lysaght roofing sheet 29" Width	m	184.13					
			Wool insulation 50mmx0.9m x15m	roll	9.00					
			PVC black net	roll	4.50					
			Fascia Gutter 8'	Nos	12.00					
			GI gutter clip	Nos	48.00					
			Gutter strap	Nos	48.00					
			Fascia Capping 8'	Nos	14.00					
			Ridge Capping 8'	Nos	3.00					
			Apron Capping 8'	Nos	5.00					
			Down spot 3"	Nos	10.00					
			Roofing Screw 3"	Nos	1,000.00					
			Fascia board Wood plank 4m x 200m x8mm	Nos	16.00					
04.3.00	<u>DOWNPIPE</u>									
			82 mm dia rain water pipe	item	10.00					
			TOTAL OF BILL №: 04 - Carried Over To Summary							

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
5.0.00				Bill №: 05 - DOORS & WINDOWS							
	<u>GENERAL</u>										
				(a) Rates shall include for locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware. (b) Rates shall include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boardings, framing, lining, fastenings and all fixings. (c) Sizes are given overall outside dimensions of actual doors and windows. (d) Thickness and sizes of glass panels are shown on the Drawings and doors and windows schedule (e) Rates shall include for all painting as specified (f) Rates shall include all items specified in the door schedule and specification. (g) Frames and sashes to be 25-60 micron white powder coated aluminium other wise specified.							
5.1.00											
	<u>GROUND FLOOR</u>										
5.1.05	900	x	2200	D1-Timber Door	nr	2.00					
5.1.05	700	x	2100	D2-PVC Door	nr	2.00					
5.1.12	1380	x	1400	W1-Aluminium Sliding Window	nr	1.00					
				TOTAL OF BILL №: 05 - Carried Over To Summary							
6.0.00				Bill №: 06 - MASONRY							
	<u>GENERAL</u>										
				(a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leavingholes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.							
6.1.00	<u>BLOCKWORK</u>										
				Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS)							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.03	150 mm thk full height (Full block)									
	BELOW GROUND FLOOR			m ²	8.39					
	6" Solid Bricks			Nos	192.86					
	Cement			Bag	1.93					
6.1.04	Coarse Sand			Bag	9.64					
	GROUND FLOOR			m ²	54.48					
	6" Solid Bricks			Nos	1,253.04					
	Cement			Bag	12.53					
6.1.06	Coarse Sand			Bag	62.65					
	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar (INTERNAL WALLS).									
	150 mm thk full height (Full block)									
	BELOW GROUND FLOOR			m ²	11.34					
6.1.08	6" Solid Bricks			Nos	260.82					
	Cement			Bag	2.61					
	Coarse Sand			Bag	13.04					
	GROUND FLOOR			m ²	35.94					
	6" Solid Bricks			Nos	826.62					
	Cement			Bag	8.27					
	Coarse Sand			Bag	41.33					
				TOTAL OF BILL №: 06 - Carried Over To Summary						
7.0.00				Bill №: 07 - FLOOR, WALL FINISHINGS						
	GENERAL									
			(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing.							
			(b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
7.1.00	PLASTERING									
7.1.03			20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent.							
			BELOW GROUND FLOOR	m ²	19.50					
			Cement	Bag	3.25					
			Coarse Sand	Bag	13.00					
			Fine Sand	Bag	13.00					
7.1.04			GROUND FLOOR	m ²	86.71					
			Cement	Bag	14.45					
			Coarse Sand	Bag	57.81					
			Fine Sand	Bag	57.81					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
7.1.07			16 mm thk cement plaster on internal surface as specified on BELOW GROUND FLOOR	m ²	33.14					
			Cement	Bag	4.14					
			Fine Sand	Bag	16.57					
7.1.07			GROUND FLOOR	m ²	197.76					
			Cement	Bag	24.72					
			Fine Sand	Bag	98.88					
7.2.00	<u>WATERPROOFING</u>									
			TOILETS,BALCONY,TERRACE							
7.2.02			GROUND FLOOR	m ²	6.71					
7.2.00	<u>CEMENTSCREED</u>									
7.2.01			50 mm thk cement screed GROUND FLOOR	m ²	88.66					
			Cement	Bag	29.55					
			Coarse Sand	Bag	118.21					
7.3.00	<u>FLOORTILING</u>									
7.3.01	600	x	600 mm Homogenous tiles GROUND FLOOR	m ²	81.95					
			600x600mm Floor tiles	Nos	250.40					
			Tile adhesive 25kg	bag	62.60					
7.3.04	600	x	100 mm Homogenous skirting tiles GROUND FLOOR	m	81.95					
			600x600mm Floor tiles	Nos	27.32					
			Tile adhesive 25kg	bag	6.83					
7.3.07	300	x	300 mm Homogenous tiles GROUND FLOOR	m ²	6.71					
			300x300mm Floor tiles	Nos	82.01					
			Tile adhesive 25kg	bag	6.83					
7.4.00	<u>WALLTILING</u>									
7.4.02	300	x	600 mm Homogenous tiles GROUND FLOOR	m ²	53.24					
			600x300mm Wall tiles	Nos	325.35					
			Tile adhesive 25kg	bag	32.53					
7.7.00	<u>GRANITEWORK</u>									
7.7.01			GROUND FLOOR	m ²	5.00					
			TOTAL OF BILL №: 07 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
8.0.00			Bill No: 08 -SUSPENDED CEILING							
	<u>GENERAL</u>									
8.1.00			(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws. <u>PLASTERBOARDCEILING</u>							
8.1.02			Fixed plasterboard ceiling system with timber framing TOILETS,ROOFING DOWN GROUND FLOOR TOILET	m ²	6.71					
			6mm cement Board	Nos	2.33					
			35 x 50 mm treated pine wood timber	m	40.26					
			3" black Screw	Nos	50.33					
			1 1/2" black screw	Nos	55.69					
			1" black screw	Nos	55.69					
			1 1/2" Wall plug	Nos	50.33					
8.1.02			GROUND ROOFING AREA	m ²	109.24					
			6mm cement Board	Nos	37.93					
			35 x 50 mm treated pine wood timber	m	655.45					
			3" black Screw	Nos	819.31					
			1 1/2" black screw	Nos	906.70					
			1" black screw	Nos	906.70					
			1 1/2" Wall plug	Nos	819.31					
			TOTAL OF BILL No: 08 - Carried Over To Summary							
9.0.00			Bill No: 09 - PAINTING & DECORATIONS							
	<u>GENERAL</u>									
			(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture. (b) All painting work shall be carried in accordance with the Specifications.							
9.1.00	<u>WALLPAINTING</u>									
9.1.02			Weatherbound paint finish as specified (EXTERNAL SURFACES) GROUND FLOOR	m ²	86.71					
			Exterior Wall sealer	Ltr	24.78					
			Enamel Paint	Ltr	24.78					
9.1.05			Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES) GROUND FLOOR	m ²	144.52					
			Interior Wall sealer	Ltr	32.11					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
9.2.00	<u>CEILINGPAINTING</u>	Interior Putty Emulsion Paint		Kg	144.52					
				Ltr	32.11					
9.2.01		Selected paint finish including putty application on ceiling as specified (CEILING)								
		GROUND FLOOR		m ²	115.95					
		Interior Wall sealer		Ltr	25.77					
		Interior Putty		Kg	115.95					
		Emulsion Paint		Ltr	25.77					
		TOTAL OF BILL No: 09 - Carried Over To Summary								
10.0.00	<u>GENERAL</u>	Bill No: 10 - MECHANICAL & ELECTRICAL SERVICES								
		(a) Design, provide and install electrical network for the entire building complete in accordance to standards set by the local governing body STELCO/FENAKA								
	<u>MainConnections</u>									
10.4.02		Supply and installation of electrical meter			nr	1.00				
10.4.02		STELCO Main connection (Approximate)			nr	1.00				
	<u>GROUND FLOOR</u>									
10.1.00	<u>MAINDISTRIBUTION,SUBDISTRIBUTIONANDDISTRIBUTIONSYSTEM</u>									
	<u>InternalDBConnections</u>									
10.4.02		DB to Main Panel board cabling			nr	1.00				
	<u>DistributionBoards(DB)</u>									
		Distribution Panel for each floor as shown on the drawing, complete with all incoming and outgoing MCBs, RCCBs, etc any other item required to working order, wall mounted wall mount steel powder coated, IP44 encloser with neutral link, earth bar and required accessories, all complete as per the								
10.1.01		Distribution Boards with dressing			nr	1.00				
	<u>MAIN/SUBCABLING</u>									
		All under ground cables directly buried in ground/ in the trenches as appilcable, to be laid properly and covered with cable tiles, protection tapes, etc for mechanical protection, PVC sleeves may use if required. Rate shall include for all necessary works/accessories such as excavation, sand layers, cable tiles, warning strips and back filling with approved quality earth,properly compacted, to the satisfication of the Engineer.								

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	All above ground cables shall be laid on cable tray/ trucking /conduits as appilcable and covered by tray covers, etc. for mechanical protection. PVC sleeves may use if required. Rate shall include for all necessary works/ accessories such as galvernized brackets, supporting materials, fittings, nails, cable ties, earthing, etc, trays shall be of required sizes, GI powder coated, and shotted, to the satisfaction of Engineer							
10.2.00	<u>GENERALEARTHING</u>							
10.2.01	Allow for the total earthing system inclusive of the necessary cables from all the DBs	item	1.00					
10.3.00	<u>POINTWIRINGANDFITTINGS</u>							
	Rate shall include for supply & installation of cable, conduits for point wiring in concealed installations including lights,switches, power outlet,data points,isolators, etc, all as specified in the drawing							
10.3.01	Supply and Installation of 2 x 1C 1.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring	nr	70.00					
10.3.02	Supply and Installation of 2 x 1C 2.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes,ethernet cables, RJ45 Connectors, VGA cables etc. for	nr	8.00					
10.3.03	the Socket outlets point wiring CAT 6 CABLE	Roll	0.50					
10.3.04	TV Cable	Roll	0.50					
10.4.00	<u>FIXTURES</u>							
	Rate shall include supply and installation of following lighting fixtures, socket outlets as specified and detailed, fixed in position including all fixing accessories, supports and connect to power, under following conditions 1. All bathrooms, out door light fixtures shall be IP65							
	2. All switches & sockets shall be ABB or equivalent brand.							
	<u>LIGHTSANDSWITCHES</u>							
10.4.02	Outdoor Wall Light	nr	4.00					
10.4.03	Mirror light (7W LED light)	nr	2.00					
10.4.04	150mm Ceiling light 18W LED	nr	36.00					
10.4.06	Ceiling fan (52" - 54")	nr	5.00					
10.4.07	Exhaust Fan	nr	2.00					
10.4.08	Light switch (1 G)	nr	6.00					
10.4.08	Light switch (2 G)	nr	2.00					
10.4.08	Light switch (3 G)	nr	2.00					

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
10.4.09				Light switch (4 G)	nr	6.00					
10.4.13				Fan Switch	nr	5.00					
	<u>SOCKETS</u>										
10.4.14			13	A twin sockets	nr	4.00					
10.4.15			13	A sockets	nr	4.00					
10.4.19				Fiber Socket	nr	1.00					
10.4.20				Cable TV Socket	nr	1.00					
				TOTAL OF BILL №: 10 - Carried Over To Summary							
11.0.00	BILL №: 11 - PLUMBING										
	<u>GENERAL</u>										
11.3.09	(a) Rates shall include for sockets, running joints, connectors, elbows, junctions, valves, reducers, expansion joints, backnuts and similar, incidental fitting, clips saddles, brackets, straps, hangers, screws, nails and fixing complete, including cutting and forming holes, excavating, laying pipes and backfilling trenches. (b) All pipe work and fittings shall be high pressure PVC. (c) Rates shall include for supply and fixing of all pipes. (d) All sanitary fixtures used shall be of superior quality and approved by the architect/consultant on submission of samples. Ground Water pump				item	1.00					
	<u>GROUND FLOOR</u>										
11.1.00	<u>WATER SUPPLY</u>										
11.2.03	Provide and fix UPVC high pressure pipes including piping, connections, fittings, valves, excavations, ducting, fixing with brackets and leak testing. Fenaka Water & Utility Connection				nr	1.00					
	<u>INTERNAL PLUMBING-FRESH WATER SUPPLY PIPE</u>										
11.1.01	Note: Internal plumbing to all toilets and kitchen including supply and laying of pipes.				item	1.00					
	<u>EXTERNAL PLUMBING</u>										
11.1.02	All pipe works under ground floor screed/slab to be laid for Waste water, sewage, fresh water and well water connection.				item	1.00					
11.1.03	Waste water and sewage connection from all the toilets including the necessary catch pits and manholes as necessary. Rates shall include for supply and laying of pipes				item	1.00					
11.1.04	including clean-outs as necessary. Water connection to all toilets. Rate shall include for supply and laying of pipes.				item	1.00					
11.2.00	<u>DISCHARGE WORK</u>										

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
11.2.01	Provide and fix UPVC pipes including vent pipes, vent cowls, cleaning eye, connections, fittings, valves, excavations, ducting, fixing with brackets, connecting to proposed septic tank and leak testing. 11.3.00 <u>FIXTURES</u> Complete installation, cleaning and testing of: Wash basin Wash basin tap Muslim shower with stop valve Floor Drain 510 x 1110 mm Face Mirror Water Closet 1600 x 600 mm Counter top with tile finish Kitchen Sink & Tap				item	1.00					
11.2.02											
11.3.01											
11.3.02											
11.3.03											
11.3.05											
11.3.06											
11.3.07											
11.3.08											
11.3.10											
				TOTAL OF BILL №: 11 - Carried Over To Summary							

SUMMARY OF BILLS OF QUANTITIES
RECTANGULAR SEATING AT DINING AREA

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -ROOFING WORKS			
Bill №: 05 - FLOOR, WALL FINISHINGS			
Bill №: 06 - PAINTING & DECORATIONS			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

RECTANGULAR SEATING AT DINING AREA
Republic of Maldives

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	10.64					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	3.50					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	3.00					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	7.15					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00			Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>									
		(a)	Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances							
		(b)	Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6.							
		(c)	All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15							
		(d)	Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.							
		(e)	Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork.							
		(f)	Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.							
		(g)	All reinforcing bars shall be high strength bars.							
		(h)	Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent.							
		(i)	All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical.							
		(j)	Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>									
			Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01			50 mm Lean Concrete	m ³	0.20					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>									
	FOUNDATION & FOUNDATION BEAMS									
3.3.08	250	x	275 mm Foundation Beam FB	m ³	0.76					
	PEDASTAL COLUMNS									
3.3.10			200 mm Concrete columns C1	m ³	0.08					
			Cement	Bag	9.00					
			Coarse Sand	Bag	18.00					
			Aggregate	Bag	27.00					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	Admixture	Ltr	0.90					
3.8.00	FORM WORK							
	FOUNDATION & FOUNDATION BEAMS							
3.8.07	250 x 275 mm Foundation Beam FB	m ²	5.54					
	PEDASTAL COLUMNS							
3.8.09	200 mm Concrete columns C1	m ²	1.60					
	Plywood 12mm flim faced	Nos	3.00					
	Timber 35x50mm	m ³	0.10					
	Timber Nail 1 1/2"	Kg	2.00					
	Timber Nail 2"	Kg	1.00					
	3" Wooden Screw	Nos	25.00					
	4" Wooden Screw	Nos	25.00					
3.13.00	STEEL WORK							
	FOUNDATION & FOUNDATION BEAMS							
3.13.01	6 mm Steel bar in foundation	nr	16.00					
3.13.01	12 mm Steel bar in foundation	nr	15.00					
	PEDASTAL COLUMNS							
3.13.06	6 mm in pedastal column	nr	3.00					
3.13.07	12 mm in pedastal column	nr	24.00					
	Binding Wire	Kg	3.36					
3.4.00	GROUND FLOOR							
	COLUMNS							
3.4.01	200 mm Concrete columns C1	m ³	0.54					
	Floor Slab							
3.4.04	100 mm slab	m ³	1.06					
	Beam							
3.4.06	300 x 200 mm Beam RB1	m ³	0.70					
	Cement	Bag	18.00					
	Coarse Sand	Bag	36.00					
	Aggregate	Bag	54.00					
	Admixture	Ltr	1.80					
3.9.00	FORMWORK							
	COLUMNS							
3.9.01	200 mm Concrete columns C1	m ²	10.88					
	Floor Slab							
3.9.04	100 mm slab	m ²	1.00					
	Beam							
3.9.06	300 x 200 mm Beam RB1	m ²	9.38					

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
				Plywood 12mm flim faced	Nos	8.00					
				Timber 35x50mm	m ³	0.20					
				Timber Nail 1 1/2"	Kg	5.00					
				Timber Nail 2"	Kg	2.00					
				3"Wooden Screw	Nos	100.00					
				4" Wooden Screw	Nos	50.00					
3.14.00	STEELW	ORK									
		Column									
3.14.01		6	mm	in column	nr	10.00					
		Floor Slab									
3.14.03		6	mm	in Floor slab	nr	23.00					
		Beam									
3.14.05		6	mm	in beam	nr	12.00					
3.14.05		12	mm	in beam	nr	11.00					
				Binding Wire	Kg	3.25					
3.9.00				TOTAL OF BILL №: 03 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
04.0.00			Bill No: 04 - ROOFING WORKS							
04.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.							
04.1.02	<u>ROOFINGTIMBERWORKS</u>									
	50	x 150	mm Timber Rafters	m	45.38					
	50	x 50	mm Timber Battens	m	25.42					
	75	x 50	mm Timber Wall Plate	m	12.00					
04.2.00	<u>GENERAL</u>									
			(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.							
			Synthetic coco Palm Thatch roof	m ²	12.71					
			Wooveb Bamboo Mat Pasted	m ²	12.71					
			Canvas DPM	m ²	12.71					
			Roofing Screw 3"	Nos	100.00					
			Bolts 16mm dia and 300mm depth	Nos	10.00					
			Fascia board Wood plank 4m x 200m x8mm	Nos	4.00					
			TOTAL OF BILL No: 04 - Carried Over To Summary							
5.0.00			Bill No: 05 - FLOOR, WALL FINISHINGS							
	<u>GENERAL</u>									
			(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing. (b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
5.1.00	<u>PLASTERING</u>									
5.1.03			20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent. BELOW GROUND FLOOR	m ²	2.04					
			Cement	Bag	0.34					
			Coarse Sand	Bag	1.36					
			Fine Sand	Bag	1.36					
5.1.04			GROUND FLOOR	m ²	9.69					
			Cement	Bag	1.62					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
5.1.05	Coarse Sand			Bag	6.46					
	Fine Sand			Bag	6.46					
	16 mm thk cement plaster on internal surface as specified on									
	GROUND FLOOR			m ²	8.86					
	Cement			Bag	1.11					
	Fine Sand			Bag	4.43					
5.2.00	<u>CEMENTSCREED</u>									
5.2.01	50 mm thk cement screed									
	GROUND FLOOR			m ²	10.64					
	Cement			Bag	3.55					
	Coarse Sand			Bag	14.19					
5.3.00	<u>FLOORTILING</u>									
5.3.01	600	x	600	mm Homogenous tiles						
				GROUND FLOOR		m ²	10.64			
				600x600mm Floor tiles		Nos	32.51			
				Tile adhesive 25kg		bag	8.13			
5.3.04	600	x	100	mm Homogenous skirting tiles						
				GROUND FLOOR		m	13.20			
				600x600mm Floor tiles		Nos	4.40			
				Tile adhesive 25kg		bag	1.10			
				TOTAL OF BILL No: 05 - Carried Over To Summary						
6.0.00				Bill No: 06 - PAINTING & DECORATIONS						
	<u>GENERAL</u>									
			(a)	Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture.						
			(b)	All painting work shall be carried in accordance with the Specifications.						
6.1.00	<u>WALLPAINTING</u>									
6.1.02				Weatherbound paint finish as specified (EXTERNAL SURFACES)						
				GROUND FLOOR		m ²	9.69			
				Exterior Wall sealer		Ltr	2.77			
				Enamel Paint		Ltr	2.77			

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.05	Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES)									
	GROUND FLOOR			m ²	8.86					
	Interior Wall sealer			Ltr	1.97					
	Interior Putty			Kg	8.86					
	Emulsion Paint			Ltr	1.97					
6.2.00	<u>CEILINGPAINTING</u>									
6.2.01	Selected paint finish including putty application on ceiling as specified (CEILING)									
	GROUND FLOOR			m ²	12.71					
	Interior Wall sealer			Ltr	2.82					
	Interior Putty			Kg	12.71					
	Emulsion Paint			Ltr	2.82					
				TOTAL OF BILL №: 06 - Carried Over To Summary						

SUMMARY OF BILLS OF QUANTITIES
SEATING AREA 01

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 - MASONRY			
Bill №: 05 - FLOOR, WALL FINISHINGS			
Bill №: 06 - PAINTING & DECORATIONS			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

SEATING AREA 01
Republic of Maldives

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	80.04					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	24.01					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	35.00					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	80.00					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00	Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>							
	(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>							
	Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01	50 mm Lean Concrete	m ³	3.60					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>							
	FOUNDATION & FOUNDATION BEAMS							
3.3.08	200 x 250 mm Foundation Beam WB1	m ³	6.55					
	RC WALL							
3.3.10	1235 mm RC Wall	m ³	6.48					
3.3.10	685 mm RC Wall	m ³	3.02					
3.3.10	250 mm RC Wall	m ³	0.78					
	FLOOR SLAB							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.3.10			100 mm Floor Slab	m ³	6.10					
			Cement	Bag	213.00					
			Coarse Sand	Bag	426.00					
			Aggregate	Bag	639.00					
			Admixture	Ltr	21.30					
3.8.00			FORM WORK							
			FOUNDATION & FOUNDATION BEAMS							
3.8.07	200	x	250 mm Foundation Beam WB1	m ²	52.37					
			RC WALL							
3.8.09			1235 mm RC Wall	m ²	129.55					
3.8.09			685 mm RC Wall	m ²	60.49					
3.8.09			250 mm RC Wall	m ²	15.63					
			FLOOR SLAB							
3.8.09			100 mm Floor Slab	m ²	6.00					
			Plywood 12mm flim faced	Nos	45.00					
			Timber 50x50mm	m ³	1.25					
			Timber Nail 1 1/2"	Kg	10.00					
			Timber Nail 2"	Kg	5.00					
			3" Wooden Screw	Nos	100.00					
			4" Wooden Screw	Nos	100.00					
3.13.00			STEEL WORK							
			FOUNDATION & FOUNDATION BEAMS							
3.13.01		6	mm Steel bar in foundation	nr	129.00					
3.13.01		12	mm Steel bar in foundation	nr	104.00					
			RC WALL							
3.13.07		10	mm in RC Wall	nr	284.00					
			FLOOR SLAB							
3.13.07		10	mm in Floor Slab	nr	168.00					
			Binding Wire	Kg	39.73					
3.9.00			TOTAL OF BILL №: 03 - Carried Over To Summary							
4.0.00			Bill №: 04 - MASONRY							
	GENERAL									

ITEM	DESCRIPTION		UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
4.1.00	BLOCKWORK	(a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leavingholes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.							
4.1.04		150 mm thk full height (Full block) GROUND FLOOR 6" Solid Bricks Cement Coarse Sand	m ² Nos Bag Bag	11.55 265.65 2.66 13.28					
		TOTAL OF BILL No: 04 - Carried Over To Summary							
5.0.00		Bill No: 05 - FLOOR, WALL FINISHINGS							
	GENERAL								
		(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing. (b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
5.1.00	PLASTERING								
5.1.04		20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent. GROUND FLOOR	m ²	158.64					
		Cement	Bag	26.44					
		Coarse Sand	Bag	105.76					
		Fine Sand	Bag	105.76					
5.2.00	CEMENTSCREED								
5.2.01		50 mm thk cement screed GROUND FLOOR	m ²	61.00					
		Cement	Bag	20.33					
		Coarse Sand	Bag	81.33					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
5.3.00	FLOORFINISHING									
5.3.01			Timber Finish GROUND FLOOR	m ²	61.00					
			TOTAL OF BILL №: 05 - Carried Over To Summary					83,931.64	30,991.01	114,922.65
6.0.00			Bill №: 06 - PAINTING & DECORATIONS							
	GENERAL									
			(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture.							
			(b) All painting work shall be carried in accordance with the Specifications.							
6.1.00	WALLPAINTING									
6.1.02			Weatherbound paint finish as specified (EXTERNAL SURFACES) GROUND FLOOR	m ²	158.64					
			Exterior Wall sealer	Ltr	45.33					
			Enamel Paint	Ltr	45.33					
			TOTAL OF BILL №: 06 - Carried Over To Summary							

SUMMARY OF BILLS OF QUANTITIES
ENTRANCE AREA SEATING

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 - FLOOR, WALL FINISHINGS			
Bill №: 05 - PAINTING & DECORATIONS			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

ENTRANCE AREA SEATING
Republic of Maldives

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	80.04					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	24.01					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	35.00					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	80.00					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00	Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>							
	(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>							
	Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01	50 mm Lean Concrete	m ³	3.60					
3.3.00	<u>REINFORCEDINSITU CONCRETE</u>							
	FOUNDATION & FOUNDATION BEAMS							
3.3.08	200 x 250 mm Foundation Beam WB1	m ³	6.55					
	RC WALL							
3.3.10	1235 mm RC Wall	m ³	6.48					
3.3.10	685 mm RC Wall	m ³	3.02					
3.3.10	250 mm RC Wall	m ³	0.78					
	FLOOR SLAB							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.3.10			100 mm Floor Slab	m ³	6.10					
			Cement	Bag	213.00					
			Coarse Sand	Bag	426.00					
			Aggregate	Bag	639.00					
			Admixture	Ltr	21.30					
3.8.00			FORM WORK							
			FOUNDATION & FOUNDATION BEAMS							
3.8.07	200	x	250 mm Foundation Beam WB1	m ²	52.37					
			RC WALL							
3.8.09			1235 mm RC Wall	m ²	129.55					
3.8.09			685 mm RC Wall	m ²	60.49					
3.8.09			250 mm RC Wall	m ²	15.63					
			FLOOR SLAB							
3.8.09			100 mm Floor Slab	m ²	6.00					
			Plywood 12mm flim faced	Nos	45.00					
			Timber 50x50mm	m ³	1.25					
			Timber Nail 1 1/2"	Kg	10.00					
			Timber Nail 2"	Kg	5.00					
			3" Wooden Screw	Nos	100.00					
			4" Wooden Screw	Nos	100.00					
3.13.00			STEEL WORK							
			FOUNDATION & FOUNDATION BEAMS							
3.13.01		6	mm Steel bar in foundation	nr	129.00					
3.13.01		12	mm Steel bar in foundation	nr	104.00					
			RC WALL							
3.13.07		10	mm in RC Wall	nr	284.00					
			FLOOR SLAB							
3.13.07		10	mm in Floor Slab	nr	168.00					
			Binding Wire	Kg	39.73					
3.9.00			TOTAL OF BILL №: 03 - Carried Over To Summary							
4.0.00			Bill №: 04 - FLOOR, WALL FINISHINGS							
			GENERAL							
			(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing.							
			(b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
4.1.00			PLASTERING							
			20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent.							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
4.1.04			GROUND FLOOR	m ²	73.15					
			Cement	Bag	12.19					
			Coarse Sand	Bag	48.77					
			Fine Sand	Bag	48.77					
4.2.00	<u>CEMENTSCREED</u>									
4.2.01			50 mm thk cement screed							
			GROUND FLOOR	m ²	32.40					
			Cement	Bag	10.80					
			Coarse Sand	Bag	43.20					
4.3.00	<u>FLOORFINISHING</u>									
4.3.01			Timber Finish							
			GROUND FLOOR	m ²	24.30					
			TOTAL OF BILL №: 04 - Carried Over To Summary							
5.0.00			Bill №: 05 - PAINTING & DECORATIONS							
	<u>GENERAL</u>									
			(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture.							
			(b) All painting work shall be carried in accordance with the Specifications.							
5.1.00	<u>WALLPAINTING</u>									
5.1.02			Weatherbound paint finish as specified (EXTERNAL SURFACES)							
			GROUND FLOOR	m ²	73.15					
			Exterior Wall sealer	Ltr	20.90					
			Enamel Paint	Ltr	20.90					
			TOTAL OF BILL №: 05 - Carried Over To Summary							

SUMMARY OF BILLS OF QUANTITIES
CIRCULAR SEATING AT DINING AREA

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -ROOFING WORKS			
Bill №: 05 - FLOOR, WALL FINISHINGS			
Bill №: 06 - PAINTING & DECORATIONS			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

CIRCULAR SEATING AT DINING AREA
Republic of Maldives

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	5.00					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	2.00					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	1.50					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	5.05					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00	Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>							
	(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>							
	Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01	50 mm Lean Concrete	m ³	0.10					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>							
	FOUNDATION & FOUNDATION BEAMS							
3.3.08	250 x 275 mm Foundation Beam FB	m ³	0.47					
	PEDASTAL COLUMNS							
3.3.10	200 mm Concrete columns C1	m ³	0.08					
	Cement	Bag	6.00					
	Coarse Sand	Bag	12.00					
	Aggregate	Bag	18.00					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	Admixture	Ltr	0.60					
3.8.00	FORM WORK							
	FOUNDATION & FOUNDATION BEAMS							
3.8.07	250 x 275 mm Foundation Beam FB	m ²	3.43					
	PEDASTAL COLUMNS							
3.8.09	200 mm Concrete columns C1	m ²	1.60					
	Plywood 12mm flim faced	Nos	2.00					
	Timber 35x50mm	m ³	0.10					
	Timber Nail 1 1/2"	Kg	2.00					
	Timber Nail 2"	Kg	1.00					
	3" Wooden Screw	Nos	25.00					
	4" Wooden Screw	Nos	25.00					
3.13.00	STEEL WORK							
	FOUNDATION & FOUNDATION BEAMS							
3.13.01	6 mm Steel bar in foundation	nr	10.00					
3.13.01	12 mm Steel bar in foundation	nr	9.00					
	PEDASTAL COLUMNS							
3.13.06	6 mm in pedastal column	nr	3.00					
3.13.07	12 mm in pedastal column	nr	24.00					
	Binding Wire	Kg	2.67					
3.4.00	GROUND FLOOR							
	COLUMNS							
3.4.01	200 mm Concrete columns C1	m ³	0.54					
	Floor Slab							
3.4.04	100 mm slab	m ³	0.49					
	Beam							
3.4.06	300 x 200 mm Beam RB1	m ³	0.41					
	Cement	Bag	12.00					
	Coarse Sand	Bag	24.00					
	Aggregate	Bag	36.00					
	Admixture	Ltr	1.20					
3.9.00	FORMWORK							
	COLUMNS							
3.9.01	200 mm Concrete columns C1	m ²	10.88					
	Floor Slab							
3.9.04	100 mm slab	m ²	1.00					
	Beam							
3.9.06	300 x 200 mm Beam RB1	m ²	9.38					

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
				Plywood 12mm flim faced	Nos	6.00					
				Timber 35x50mm	m ³	0.15					
				Timber Nail 1 1/2"	Kg	5.00					
				Timber Nail 2"	Kg	2.00					
				3"Wooden Screw	Nos	100.00					
				4" Wooden Screw	Nos	50.00					
3.14.00	STEELW	ORK									
			Column								
3.14.01		6	mm	in column	nr	10.00					
			Floor Slab								
3.14.03		6	mm	in Floor slab	nr	11.00					
			Beam								
3.14.05		6	mm	in beam	nr	6.00					
3.14.05		12	mm	in beam	nr	7.00					
				Binding Wire	Kg	1.97					
3.9.00				TOTAL OF BILL №: 03 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
04.0.00			Bill No: 04 - ROOFING WORKS							
04.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.							
04.1.02	<u>ROOFINGTIMBERWORKS</u>									
	50	x 150	mm Timber Rafters	m	19.58					
	50	x 50	mm Timber Battens	m	11.50					
	75	x 50	mm Timber Wall Plate	m	7.50					
04.2.00	<u>GENERAL</u>									
			(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.							
			Synthetic coco Palm Thatch roof	m ²	5.75					
			Wooveb Bamboo Mat Pasted	m ²	5.75					
			Canvas DPM	m ²	5.75					
			Roofing Screw 3"	Nos	50.00					
			Bolts 16mm dia and 300mm depth	Nos	5.00					
			Fascia board Wood plank 4m x 200m x8mm	Nos	2.00					
			TOTAL OF BILL No: 04 - Carried Over To Summary							
5.0.00			Bill No: 05 - FLOOR, WALL FINISHINGS							
	<u>GENERAL</u>									
			(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing. (b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
5.1.00	<u>PLASTERING</u>									
5.1.03			20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent. BELOW GROUND FLOOR	m ²	2.04					
			Cement	Bag	0.34					
			Coarse Sand	Bag	1.36					
			Fine Sand	Bag	1.36					
5.1.04			GROUND FLOOR	m ²	9.69					
			Cement	Bag	1.62					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
5.1.05	Coarse Sand			Bag	6.46					
	Fine Sand			Bag	6.46					
	16 mm thk cement plaster on internal surface as specified on									
	GROUND FLOOR			m ²	5.11					
	Cement			Bag	0.64					
5.2.00	Fine Sand			Bag	2.56					
	CEMENTSCREED									
	50 mm thk cement screed									
	GROUND FLOOR			m ²	4.91					
	Cement			Bag	1.64					
5.3.00	Coarse Sand			Bag	6.55					
	FLOORTILING									
	600 x 600 mm Homogenous tiles									
	GROUND FLOOR			m ²	4.91					
	600x600mm Floor tiles			Nos	15.00					
5.3.01	Tile adhesive 25kg			bag	3.75					
	600 x 100 mm Homogenous skirting tiles									
	GROUND FLOOR			m	7.85					
	600x600mm Floor tiles			Nos	2.62					
	Tile adhesive 25kg			bag	0.65					
TOTAL OF BILL No: 05 - Carried Over To Summary										
6.0.00	Bill No: 06 - PAINTING & DECORATIONS									
	GENERAL									
			(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture.							
			(b) All painting work shall be carried in accordance with the Specifications.							
6.1.00	WALLPAINTING									
6.1.02			Weatherbound paint finish as specified (EXTERNAL SURFACES)							
			GROUND FLOOR	m ²	9.69					
			Exterior Wall sealer	Ltr	2.77					
			Enamel Paint	Ltr	2.77					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.05	Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES)									
	GROUND FLOOR			m ²	5.11					
	Interior Wall sealer			Ltr	1.14					
	Interior Putty			Kg	5.11					
	Emulsion Paint			Ltr	1.14					
6.2.00	<u>CEILINGPAINTING</u>									
6.2.01	Selected paint finish including putty application on ceiling as specified (CEILING)									
	GROUND FLOOR			m ²	5.75					
	Interior Wall sealer			Ltr	1.28					
	Interior Putty			Kg	5.75					
	Emulsion Paint			Ltr	1.28					
				TOTAL OF BILL №: 06 - Carried Over To Summary						

SUMMARY OF BILLS OF QUANTITIES
CIRCULAR SEATING

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 - MASONRY			
Bill №: 05 - FLOOR, WALL FINISHINGS			
Bill №: 06 - PAINTING & DECORATIONS			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	7.55					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	1.50					
2.5.00	<u>DAMP-PROOF MEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations, laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	7.55					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00	Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>							
	(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>							
	Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01	50 mm Lean Concrete	m ³	0.10					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>							
	FOUNDATION & FOUNDATION BEAMS							
3.3.08	200 x 250 mm Foundation Beam WB1	m ³	0.35					
	RC WALL							
3.3.10	1000 mm RC Wall	m ³	0.69					
	FLOOR SLAB							
3.3.10	100 mm Floor Slab	m ³	0.38					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
4.1.04			Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS) 150 mm thk full height (Full block) GROUND FLOOR 6" Solid Bricks Cement Coarse Sand	m ² Nos Bag Bag	3.90 89.70 0.90 4.49					
			TOTAL OF BILL No: 04 - Carried Over To Summary							
5.0.00			Bill No: 05 - FLOOR, WALL FINISHINGS							
	<u>GENERAL</u>									
			(a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing. (b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
5.1.00	<u>PLASTERING</u>									
5.1.04			20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent. GROUND FLOOR	m ²	16.02					
			Cement	Bag	2.67					
			Coarse Sand	Bag	10.68					
			Fine Sand	Bag	10.68					
5.2.00	<u>CEMENTSCREED</u>									
5.2.01			50 mm thk cement screed GROUND FLOOR	m ²	3.75					
			Cement	Bag	1.25					
			Coarse Sand	Bag	5.00					
5.3.00	<u>FLOORFINISHING</u>									
5.3.01			Timber Finish GROUND FLOOR	m ²	3.75					
			TOTAL OF BILL No: 05 - Carried Over To Summary							
6.0.00			Bill No: 06 - PAINTING & DECORATIONS							
	<u>GENERAL</u>									
			(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture.							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.00	(b) All painting work shall be carried in accordance with the Specifications.									
	<u>WALLPAINTING</u>									
	Weatherbound paint finish as specified (EXTERNAL SURFACES)									
	6.1.02	GROUND FLOOR		m ²	16.02					
		Exterior Wall sealer		Ltr	4.58					
		Enamel Paint		Ltr	4.58					
		TOTAL OF BILL №: 06 - Carried Over To Summary								

SUMMARY OF BILLS OF QUANTITIES
JETTY

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -TIMBER WORKS			
Bill №: 05 - PAINTING & DECORATIONS			
Bill №: 06 - MECHANICAL & ELECTRICAL SERVICES			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

BILL OF QUANTITIES

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00			Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERAL NOTES</u>									
	<u>Abbreviations</u>									
	m - metre									
	nr - numbers									
	m3 - cubic metres									
	m2 - square metres									
	m - linear metre									
	t - tons									
	inc. - including									
	mm - millimetre									
	SS - stainless steel									
	GI - galvanized iron									
1.2.00	<u>SITE MANAGEMENT COSTS</u>									
	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.			item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary									
2.0.00			Bill No: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.							
2.2.00	<u>SITE CLEARING</u>									
2.2.01			Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials	m ²	15.00					
2.3.00	<u>EXCAVATION</u>									
2.3.01			Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation	m ³	25.00					
2.8.00	TOTAL OF BILL No: 02 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00			Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.3.00	<u>REINFORCED INSITU CONCRETE</u>									
	FOUNDATION & FOUNDATION BEAMS									
3.3.01	800	x	1200 Foundation F1	m ³	2.59					
3.3.01	800	x	1600 Foundation F2	m ³	0.38					
	COLUMNS									
3.3.10	250	x	250 mm Concrete columns C1	m ³	2.06					
			Cement	Bag	41.00					
			Coarse Sand	Bag	82.00					
			Aggregate	Bag	123.00					
			Admixture	Ltr	4.10					
3.8.00	FORM WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.8.01	800	x	1200 Foundation F1	m ²	5.40					
3.8.01	800	x	1600 Foundation F2	m ²	0.72					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	PEDASTAL COLUMNS							
3.8.09	250 x 250 mm Concrete columns C1	m ²	33.00					
	Plywood 12mm flim faced	Nos	10.00					
	Timber 35x50mm	m ³	0.50					
	Timber Nail 1 1/2"	Kg	10.00					
	Timber Nail 2"	Kg	5.00					
	3" Wooden Screw	Nos	100.00					
	4" Wooden Screw	Nos	100.00					
3.13.00	STEEL WORK							
	FOUNDATION & FOUNDATION BEAMS							
3.13.01	12 mm Steel bar in foundation	nr	38.00					
	PEDASTAL COLUMNS							
3.13.06	6 mm in pedastal column	nr	34.00					
3.13.07	16 mm in pedastal column	nr	66.00					
	Binding Wire	Kg	8.00					
3.4.00	GROUNDLEVEL							
	COLUMNS							
3.4.01	250 x 250 mm Concrete columns C1	m ³	2.34					
	Floor Slab							
3.4.04	150 mm slab	m ³	1.05					
	Beam							
3.4.06	425 x 250 mm Beam B1	m ³	3.49					
3.4.06	350 x 200 mm Beam B2	m ³	0.09					
	Cement	Bag	56.00					
	Coarse Sand	Bag	112.00					
	Aggregate	Bag	168.00					
	Admixture	Ltr	5.60					
3.9.00	FORMWORK							
	COLUMNS							
3.9.01	250 x 250 mm Concrete columns C1	m ²	37.40					
	Floor Slab							
3.9.04	150 mm slab	m ²	1.00					
	Beam							
3.9.06	425 x 250 mm Beam B1	m ²	36.08					
3.9.06	350 x 200 mm Beam B2	m ²	1.10					
	Plywood 12mm flim faced	Nos	16.00					
	Timber 35x50mm	m ³	0.50					
	Timber Nail 1 1/2"	Kg	15.00					

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
				Timber Nail 2"	Kg	5.00					
				3" Wooden Screw	Nos	500.00					
				4" Wooden Screw	Nos	800.00					
3.14.00	STEELWORK	ORK									
		Column									
3.14.01		6	mm	in column	nr	37.00					
		Floor Slab									
3.14.03		10	mm	in Floor slab	nr	15.00					
		Beam									
3.14.05		6	mm	in beam	nr	93.00					
3.14.05		12	mm	in beam	nr	34.00					
3.14.05		16	mm	in beam	nr	57.00					
				Binding Wire	Kg	13.69					
3.9.00				TOTAL OF BILL №: 03 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
04.0.00										
04.1.00	<u>GENERAL</u>									
			(a)	Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.						
	175	x	75	mm Timber Joists	m	155.00				
	150	x	40	mm Timber C30 Planks	m	213.50				
	100	x	25	mm Timber Fascia Strip	m	594.00				
				Others	L	1.00				
				TOTAL OF BILL №: 04 - Carried Over To Summary						
5.0.00										
	<u>GENERAL</u>									
			(a)	Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture.						
			(b)	All painting work shall be carried in accordance with the Specifications.						
5.1.00	<u>WALLPAINTING</u>									
				Weatherbound paint finish as specified (EXTERNAL SURFACES)						
5.1.02				JETTY	m ²	369.02				
				Exterior Wall sealer	Ltr	105.43				
				Enamel Paint	Ltr	105.43				
				TOTAL OF BILL №: 05 - Carried Over To Summary						

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
06.0.00	GENERAL	Bill №: 06 - MECHANICAL & ELECTRICAL SERVICES						
	(a) Design, provide and install electrical network for the entire building complete in accordance to standards set by the local governing body STELCO/FENAKA							
06.1.00	MAINDISTRIBUTION,SUBDISTRIBUTIONANDDISTRIBUTIONSYSTEM							
	InternalDBConnections							
06.4.02	DB to Main Panel board cabling	nr	1.00					
	<u>DistributionBoards(DB)</u>							
	Distribution Panel for each floor as shown on the drawing, complete with all incoming and outgoing MCBs, RCCBs, etc any other item required to working order, wall mounted wall mount steel powder coated, IP44 enclouser with neutral link, earth bar and required accessories, all complete as per the							
06.1.01	Distribution Boards with dressing	nr	1.00					
	<u>MAIN/SUBCABLING</u>							
	All under ground cables directly buried in ground/ in the trenches as appilcable, to be laid properly and covered with cable tiles, protection tapes, etc for mechanical protection, PVC sleeves may use if required. Rate shall include for all necessary works/accessories such as excavation, sand layers, cable tiles, warning strips and back filling with approved quality earth,properly compacted, to the satisfication of the Engineer.							
	All above ground cables shall be laid on cable tray/ trucnking /conduits as appilcable and covered by tray covers, etc. for mechanical protection. PVC sleeves may use if required. Rate shall include for all necessary works/ accessories such as galvernized brackets, supporting materials, fittings, nails, cable ties, earthing, etc, trays shall be of required sizes, GI powder coated, and shotted, to the satisfication of Engineer							
06.2.00	GENERALEARTHING							
06.2.01	Allow for the total earthing system inclusive of the necessary cables from all the DBs	item	1.00					
06.3.00	POINTWIRINGANDFITTINGS							
	Rate shall include for supply & installation of cable, conduits for point wiring in concealed installations including lights,switches, power outlet,data points,isolators, etc, all as specified in the drawing							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
06.3.02	Supply and Installation of 2 x 1C 2.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes, ethernet cables, RJ45 Connectors, VGA cables etc. for the Socket outlets point wiring			nr	16.00					
06.4.00	<u>FIXTURES</u>	Rate shall include supply and installation of following lighting fixtures, socket outlets as specified and detailed, fixed in position including all fixing accessories, supports and connect to power, under following conditions								
		1. All bathrooms, out door light fixtures shall be IP65								
		2. All switches & sockets shall be ABB or equivalent brand.								
	<u>LIGHTSANDSWITCHES</u>									
06.4.02		Outdoor Wall Light			nr	16.00				
06.4.09		Light switch (4 G)			nr	4.00				
				TOTAL OF BILL №: 06 - Carried Over To Summary						

SUMMARY OF BILLS OF QUANTITIES
CONVENTIONAL CENTER

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 -METAL & ROOFING WORKS			
Bill №: 05 - DOORS & WINDOWS			
Bill №: 06 - MASONRY			
Bill №: 07 - FLOOR, WALL FINISHINGS			
Bill №: 08 -SUSPENDED CEILING			
Bill №: 09 - PAINTING & DECORATIONS			
Bill №: 10 - MECHANICAL & ELECTRICAL SERVICES			
Bill №: 11 - PLUMBING			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill №: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u>							
	Abbreviations							
	m - metre							
	nr - numbers							
	m3 - cubic metres							
	m2 - square metres							
	m - linear metre							
	t - tons							
	inc. - including							
	mm - millimetre							
	SS - stainless steel							
	GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u>							
	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL №: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	240.00					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	31.00					
2.4.00	<u>FILLING</u>									
2.4.01	Rate shall include for: levelling, grading, trimming, compacting and similar Compacted earth filling under ground slab			m ²	26.00					
2.5.00	<u>DAMP-PROOFMEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	100.00					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00			Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>									
			(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>									
			Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01			50 mm Lean Concrete	m ³	1.75					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>									
	FOUNDATION & FOUNDATION BEAMS									
3.3.01	750	x	750 Foundation F1	m ³	2.70					
3.3.01	600	x	600 Foundation F2	m ³	1.30					
3.3.08	350	x	225 mm Foundation Beam FB	m ³	7.18					
	PEDASTAL COLUMNS									
3.3.10	200	x	250 mm Concrete columns C1	m ³	0.80					
3.3.10	200	x	225 mm Concrete columns C2	m ³	0.54					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
			Cement	Bag	115.00					
			Coarse Sand	Bag	230.00					
			Aggregate	Bag	345.00					
			Admixture	Ltr	11.50					
3.8.00	FORM WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.8.01	750	x	750 Foundation F1	m ²	7.20					
3.8.01	600	x	600 Foundation F2	m ²	4.32					
3.8.07	350	x	225 mm Foundation Beam FB	m ²	63.80					
	PEDASTAL COLUMNS									
3.8.09	200	x	250 mm Concrete columns C1	m ²	14.40					
3.8.09	200	x	225 mm Concrete columns C2	m ²	10.20					
			Plywood 12mm flim faced	Nos	10.00					
			Timber 35x50mm	m ³	0.50					
			Timber Nail 1 1/2"	Kg	10.00					
			Timber Nail 2"	Kg	5.00					
			3" Wooden Screw	Nos	100.00					
			4" Wooden Screw	Nos	100.00					
3.13.00	STEEL WORK									
	FOUNDATION & FOUNDATION BEAMS									
3.13.01	6		mm Steel bar in foundation	nr	113.00					
3.13.01	10		mm Steel bar in foundation	nr	56.00					
3.13.01	12		mm Steel bar in foundation	nr	151.00					
	PEDASTAL COLUMNS									
3.13.06	6		mm in pedastal column	nr	29.00					
3.13.07	12		mm in pedastal column	nr	72.00					
3.13.07	16		mm in pedastal column	nr	96.00					
			Binding Wire	Kg	29.99					
3.4.00	GROUND FLOOR									
	COLUMNS									
3.4.01	200	x	250 mm Concrete columns C1	m ³	2.72					
3.4.01	200	x	225 mm Concrete columns C2	m ³	1.84					
	Floor Slab									
3.4.04			100 mm slab	m ³	21.68					
	Beam									
3.4.06	350	x	200 mm Beam RB1	m ³	3.35					
3.4.06	300	x	200 mm Beam RB2	m ³	3.66					
3.4.06	300	x	200 mm Beam RCB1	m ³	0.84					
			Cement	Bag	273.00					
			Coarse Sand	Bag	546.00					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	Aggregate			Bag	819.00					
	Admixture			Ltr	27.30					
3.9.00	FORMWORK									
	COLUMNS									
3.9.01	200	x	250 mm Concrete columns C1	m ²	48.96					
3.9.01	200	x	225 mm Concrete columns C2	m ²	34.68					
	Floor Slab									
3.9.04	100 mm slab			m ²	22.00					
	Beam									
3.9.06	350	x	200 mm Beam RB1	m ²	43.01					
3.9.06	300	x	200 mm Beam RB2	m ²	48.86					
	Plywood 12mm flim faced			Nos	16.00					
	Timber 35x50mm			m ³	0.50					
	Timber Nail 1 1/2"			Kg	15.00					
	Timber Nail 2"			Kg	5.00					
	3"Wooden Screw			Nos	500.00					
	4" Wooden Screw			Nos	800.00					
3.14.00	STEELWORK									
	Column									
3.14.01	6	mm in column		nr	79.00					
	Floor Slab									
3.14.03	6	mm in Floor slab		nr	450.00					
	Beam									
3.14.05	6	mm in beam		nr	123.00					
3.14.05	12	mm in beam		nr	134.00					
	Binding Wire			Kg	45.59					
3.7.00	OTHERWORKS									
	Lintel, Sill beams & Mid band									
3.7.01	150	x	100 mm Ground Floor	m ³	1.22					
	Cement			Bag	11.00					
	Coarse Sand			Bag	22.00					
	Aggregate			Bag	33.00					
	Admixture			Ltr	1.10					
	FORM WORK									
3.12.01	150	x	100 mm Ground Floor	m ²	24.48					
	STEEL WORK									
3.17.01	10	mm Lintel, Sill beams & Mid band Ground Floor		Nos	28.00					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	Binding Wire	Kg	1.62					
3.9.00	TOTAL OF BILL №: 03 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
04.0.00			Bill No: 04 -METAL & ROOFING WORKS							
04.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.									
04.1.02	<u>ROOFINGMETALWORKS</u>									
	<u>TRUSSWORK</u>									
	<u>TR1</u>									
	50	x	50	X2mm RHS	m	192.00				
	50	x	25	X1.5mm RHS	m	176.00				
	<u>TR2</u>									
	50	x	50	X2mm RHS	m	74.00				
	50	x	25	X1.5mm RHS	m	46.00				
	75	x	25	X2 X 1.5mm C - Purlin	m	275.00				
	Others			L	1.00					
04.2.00	<u>GENERAL</u>									
	(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.									
	Lysaght roofing sheet 29" Width			m	382.54					
	Wool insulation 50mmx0.9m x15m			roll	18.00					
	PVC black net			roll	9.00					
	Fascia Gutter 8'			Nos	17.00					
	GI gutter clip			Nos	68.00					
	Gutter strap			Nos	68.00					
	Fascia Capping 8'			Nos	11.00					
	Ridge Capping 8'			Nos	9.00					
	Down spot 3"			Nos	10.00					
	Roofing Screw 3"			Nos	1,500.00					
	Fascia board Wood plank 4m x 200m x8mm			Nos	16.00					
04.3.00	<u>DOWNPIPE</u>									
	82 mm dia rain water pipe			item	10.00					
	TOTAL OF BILL No: 04 - Carried Over To Summary									

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.03	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS)										
	150 mm thk full height (Full block)				m ²	73.46					
	BELOW GROUND FLOOR				Nos	1,689.59					
	6" Solid Bricks				Bag	16.90					
6.1.04	Cement				Bag	84.48					
	Coarse Sand										
	GROUND FLOOR				m ²	201.78					
	6" Solid Bricks				Nos	4,640.85					
6.1.06	Cement				Bag	46.41					
	Coarse Sand				Bag	232.04					
	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar (INTERNAL WALLS).										
	150 mm thk full height (Full block)				m ²	7.30					
6.1.08	BELOW GROUND FLOOR				Nos	167.84					
	6" Solid Bricks				Bag	1.68					
	Cement				Bag	8.39					
	Coarse Sand										
6.1.08	GROUND FLOOR				m ²	23.15					
	6" Solid Bricks				Nos	532.45					
	Cement				Bag	5.32					
	Coarse Sand				Bag	26.62					
				TOTAL OF BILL №: 06 - Carried Over To Summary							
7.0.00					Bill №: 07 - FLOOR, WALL FINISHINGS						
	GENERAL										
			(a)	Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing.							
			(b)	"Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.							
7.1.00	PLASTERING										
7.1.03	20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent.										
	BELOW GROUND FLOOR				m ²	99.91					
	Cement				Bag	16.65					
	Coarse Sand				Bag	66.60					
				Fine Sand	Bag	66.60					
7.1.04	GROUND FLOOR				m ²	332.08					
	Cement				Bag	55.35					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
				RATE				
	Coarse Sand	Bag	221.39					
	Fine Sand	Bag	221.39					
7.1.07	16 mm thk cement plaster on internal surface as specified on BELOW GROUND FLOOR	m ²	54.15					
	Cement	Bag	6.77					
	Fine Sand	Bag	27.08					
7.1.07	GROUND FLOOR	m ²	336.73					
	Cement	Bag	42.09					
	Fine Sand	Bag	168.37					
7.2.00	<u>WATERPROOFING</u>							
	TOILETS,BALCONY,TERRACE							
7.2.02	GROUND FLOOR	m ²	23.66					
7.2.00	<u>CEMENTSCREED</u>							
7.2.01	50 mm thk cement screed GROUND FLOOR	m ²	233.84					
	Cement	Bag	77.95					
	Coarse Sand	Bag	311.79					
7.3.00	<u>FLOORTILING</u>							
7.3.01	600 x 600 mm Homogenous tiles GROUND FLOOR	m ²	216.84					
	600x600mm Floor tiles	Nos	662.57					
	Tile adhesive 25kg	bag	165.64					
	600 x 100 mm Homogenous skirting tiles							
7.3.04	GROUND FLOOR	m	141.00					
	600x600mm Floor tiles	Nos	47.00					
	Tile adhesive 25kg	bag	11.75					
	300 x 300 mm Homogenous tiles							
7.3.07	GROUND FLOOR	m ²	17.00					
	300x300mm Floor tiles	Nos	207.78					
	Tile adhesive 25kg	bag	17.31					
7.4.00	<u>WALLTILING</u>							
7.4.02	300 x 600 mm Homogenous tiles GROUND FLOOR	m ²	61.52					
	600x300mm Wall tiles	Nos	375.93					
	Tile adhesive 25kg	bag	37.59					

ITEM				DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
				TOTAL OF BILL №: 07 - Carried Over To Summary					268,392.57	153,697.64	422,090.21
8.0.00				Bill №: 08 -SUSPENDED CEILING							
				<u>GENERAL</u>							
8.1.00				(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws. <u>PLASTERBOARDCEILING</u>							
8.1.02				Fixed plasterboard ceiling system with timber framing TOILETS,ROOFING DOWN GROUND FLOOR TOILET	m ²	17.00					
				6mm cement Board	Nos	5.90					
				35 x 50 mm treated pine wood timber	m	102.00					
				3" black Screw	Nos	127.50					
				1 1/2" black screw	Nos	141.10					
				1" black screw	Nos	141.10					
				1 1/2" Wall plug	Nos	127.50					
8.1.02				GROUND ROOFING AREA	m ²	223.93					
				6mm cement Board	Nos	77.75					
				35 x 50 mm treated pine wood timber	m	1,343.58					
				3" black Screw	Nos	1,679.48					
				1 1/2" black screw	Nos	1,858.62					
				1" black screw	Nos	1,858.62					
				1 1/2" Wall plug	Nos	1,679.48					
				TOTAL OF BILL №: 08 - Carried Over To Summary							
9.0.00				Bill №: 09 - PAINTING & DECORATIONS							
				<u>GENERAL</u>							
				(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, wall putty application, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door & window furniture. (b) All painting work shall be carried in accordance with the Specifications.							
9.1.00				<u>WALLPAINTING</u>							
9.1.02				Weatherbound paint finish as specified (EXTERNAL SURFACES) GROUND FLOOR	m ²	332.08					
				Exterior Wall sealer	Ltr	94.88					
				Enamel Paint	Ltr	94.88					
9.1.05				Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES) GROUND FLOOR	m ²	275.21					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	All above ground cables shall be laid on cable tray/ trucking /conduits as applicable and covered by tray covers, etc. for mechanical protection. PVC sleeves may use if required. Rate shall include for all necessary works/ accessories such as galvanized brackets, supporting materials, fittings, nails, cable ties, earthing, etc, trays shall be of required sizes, GI powder coated, and shotted, to the satisfaction of Engineer							
10.2.00	<u>GENERALEARTHING</u>							
10.2.01	Allow for the total earthing system inclusive of the necessary cables from all the DBs	item	1.00					
10.3.00	<u>POINTWIRINGANDFITTINGS</u>							
	Rate shall include for supply & installation of cable, conduits for point wiring in concealed installations including lights,switches, power outlet,data points,isolators, etc, all as specified in the drawing							
10.3.01	Supply and Installation of 2 x 1C 1.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring	nr	132.00					
10.3.02	Supply and Installation of 2 x 1C 2.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes,ethernet cables, RJ45 Connectors, VGA cables etc. for	nr	30.00					
10.3.03	the Socket outlets point wiring CAT 6 CABLE	Roll	0.50					
10.3.04	TV Cable	Roll	0.50					
10.4.00	<u>FIXTURES</u>							
	Rate shall include supply and installation of following lighting fixtures, socket outlets as specified and detailed, fixed in position including all fixing accessories, supports and connect to power, under following conditions 1. All bathrooms, out door light fixtures shall be IP65							
	2. All switches & sockets shall be ABB or equivalent brand.							
	<u>LIGHTSANDSWITCHES</u>							
10.4.02	Outdoor Wall Light	nr	10.00					
10.4.02	Indoor Wall Light	nr	2.00					
10.4.03	Mirror light (7W LED light)	nr	4.00					
10.4.04	150mm Ceiling light 18W LED	nr	60.00					
10.4.06	Ceiling fan (52" - 54")	nr	16.00					
10.4.07	Exhaust Fan	nr	6.00					
10.4.08	Light switch (1 G)	nr	6.00					
10.4.08	Light switch (2 G)	nr	4.00					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
10.4.08			Light switch (3 G)	nr	4.00					
10.4.09			Light switch (4 G)	nr	15.00					
10.4.13			Fan Switch	nr	5.00					
	SOCKETS									
10.4.14		13	A twin sockets	nr	10.00					
10.4.15		13	A sockets	nr	10.00					
10.4.17		15	A Sockets	nr	10.00					
10.4.19			Fiber Socket	nr	1.00					
10.4.20			Cable TV Socket	nr	1.00					
			TOTAL OF BILL №: 10 - Carried Over To Summary							
11.0.00	Bill №: 11 - PLUMBING									
	GENERAL									
11.3.09	(a) Rates shall include for sockets, running joints, connectors, elbows, junctions, valves, reducers, expansion joints, backnuts and similar, incidental fitting, clips saddles, brackets, straps, hangers, screws, nails and fixing complete, including cutting and forming holes, excavating, laying pipes and backfilling trenches. (b) All pipe work and fittings shall be high pressure PVC. (c) Rates shall include for supply and fixing of all pipes. (d) All sanitary fixtures used shall be of superior quality and approved by the architect/consultant on submission of samples. Ground Water pump			item	1.00					
	GROUND FLOOR									
11.1.00	WATER SUPPLY									
11.2.03	Provide and fix UPVC high pressure pipes including piping, connections, fittings, valves, excavations, ducting, fixing with brackets and leak testing. Fenaka Water & Utility Connection			nr	1.00					
	INTERNAL PLUMBING - FRESH WATER SUPPLY PIPE									
11.1.01	Note: Internal plumbing to all toilets and kitchen including supply and laying of pipes.			item	2.00					
	EXTERNAL PLUMBING									
11.1.02	All pipe works under ground floor screed/slab to be laid for Waste water, sewage, fresh water and well water connection.			item	2.00					
11.1.03	Waste water and sewage connection from all the toilets including the necessary catch pits and manholes as necessary. Rates shall include for supply and laying of pipes			item	2.00					
11.1.04	including clean-outs as necessary. Water connection to all toilets. Rate shall include for supply and laying of pipes.			item	2.00					
11.2.00	DISCHARGE WORK									

ITEM	DESCRIPTION				UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
11.2.01	Provide and fix UPVC pipes including vent pipes, vent cowls, cleaning eye, connections, fittings, valves, excavations, ducting, fixing with brackets, connecting to proposed septic tank and leak testing. 11.3.00 <u>FIXTURES</u> Complete installation, cleaning and testing of: Wash basin Wash basin tap Muslim shower with stop valve Floor Drain 510 x 1110 mm Face Mirror Water Closet 1600 x 600 mm Counter top with tile finish Kitchen Sink & Tap				item	2.00					
11.2.02											
11.3.01											
11.3.02											
11.3.03											
11.3.05											
11.3.06											
11.3.07											
11.3.08											
11.3.10											
				TOTAL OF BILL №: 11 - Carried Over To Summary							

SUMMARY OF BILLS OF QUANTITIES
SEMI CIRCULAR SEATING

DESCRIPTION	MATERIAL COST	LABOUR COST	AMOUNT
Bill №: 01 - PRELIMINARIES			
Bill №: 02 - EXCAVATION AND FILLING			
Bill №: 03 - INSITU CONCRETE WORKS			
Bill №: 04 - MASONRY			
Bill №: 05 - FLOOR, WALL FINISHINGS			
Bill №: 06 - PAINTING & DECORATIONS			
TOTAL AMOUNT			
GST 8%			
TOTAL AMOUNT including GST			

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	Bill No: 01 - PRELIMINARIES							
1.1.00	<u>GENERALNOTES</u> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 - square metres m - linear metre t - tons inc. - including mm - millimetre SS - stainless steel GI - galvanized iron							
1.2.00	<u>SITEMANAGEMENTCOSTS</u> Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
1.5.00	TOTAL OF BILL No: 01 - Carried Over To Summary							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
2.0.00			Bill №: 02 - EXCAVATION AND FILLING							
2.1.00	<u>GENERAL</u>									
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.									
2.2.00	<u>SITECLEARING</u>									
2.2.01	Clear the area of site from rubbish and vegetable matters, stumps, roots. Rates shall include for removal of trees and tree stumps and disposal of such materials			m ²	3.78					
2.3.00	<u>EXCAVATION</u>									
2.3.01	Excavation quantities are measured to the faces of concrete members. Rates shall include for all the additional excavation required to place the formwork. Rates shall include for backfilling. Excavation			m ³	1.00					
2.5.00	<u>DAMP-PROOF MEMBRANE</u>									
2.5.01	Rate shall include for: dressing around and sealing to all penetrations, laps and turnups. Polythene damp proof membrane (500 gauge)			m ²	3.78					
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary									

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00	Bill No: 03 - INSITU CONCRETE WORKS							
3.1.00	<u>GENERAL</u>							
	(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete and casting in all required items; additional concrete required to conform to structural and excavated tolerances (b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6. (c) All structural concrete shall be GRADE M25 and lean concrete shall be GRADE M15 (d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (e) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. (f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage. (g) All reinforcing bars shall be high strength bars. (h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent. (i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical. (j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)							
3.2.00	<u>MASSCONCRETE</u>							
	Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.							
3.2.01	50 mm Lean Concrete	m ³	0.07					
3.3.00	<u>REINFORCEDINSITUCONCRETE</u>							
	FOUNDATION & FOUNDATION BEAMS							
3.3.08	200 x 250 mm Foundation Beam WB1	m ³	0.24					
	RC WALL							
3.3.10	1000 mm RC Wall	m ³	0.69					
	FLOOR SLAB							
3.3.10	100 mm Floor Slab	m ³	0.17					

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.8.00			Cement	Bag	10.00					
			Coarse Sand	Bag	20.00					
			Aggregate	Bag	30.00					
			Admixture	Ltr	1.00					
3.8.07	200	x 250	mm Foundation Beam WB1	m²	1.95					
3.8.09			RC WALL							
		1000	mm RC Wall	m²	13.82					
3.13.00			Plywood 12mm flim faced	Nos	5.00					
			Timber 50x50mm	m³	0.20					
			Timber Nail 1 1/2"	Kg	2.00					
			Timber Nail 2"	Kg	1.00					
3.13.01		6 mm	Steel bar in foundation	nr	6.00					
3.13.01		12 mm	Steel bar in foundation	nr	5.00					
3.13.07			RC WALL							
		10 mm	in RC Wall	nr	19.00					
3.13.07			FLOOR SLAB							
		10 mm	in Floor Slab	nr	5.00					
			Binding Wire	Kg	2.03					
3.9.00			TOTAL OF BILL №: 03 - Carried Over To Summary							
4.0.00			Bill №: 04 - MASONRY							
			GENERAL							
			(a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leavingholes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.							
4.1.00			BLOCKWORK							
			Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS)							

ITEM	DESCRIPTION			UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
6.1.00	<u>WALLPAINTING</u>									
6.1.02	Weatherbound paint finish as specified (EXTERNAL SURFACES)									
	GROUND FLOOR			m ²	9.56					
	Exterior Wall sealer			Ltr	2.73					
	Enamel Paint			Ltr	2.73					
				TOTAL OF BILL №: 06 - Carried Over To Summary						