

BILL OF QUANTITIES  
**HUT DESIGN K.GURAIIDHOO**

CLIENT : GURAIIDHOO COUNCIL

SUMMARY OF BILLS OF QUANTITIES  
**HUT DESIGN K.GURAI DHOO**

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 - MASONRY	-	-	-
Bill №: 06 - FLOOR, WALL FINISHINGS	-	-	-
Bill №: 07 - PAINTING & DECORATIONS	-	-	-
<b>TOTAL AMOUNT</b>	-	-	-
<b>GST 8%</b>			-
<b>TOTAL AMOUNT including GST</b>			-

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
<b>1.0.00</b>	<b>Bill No: 01 - PRELIMINARIES</b>							
<b>1.1.00</b>	<b><u>GENERAL NOTES</u></b>  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							
<b>1.2.00</b>	<b><u>SITE MANAGEMENT COSTS</u></b>  Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings & similar.	item	1.00					
<b>1.3.00</b>	<b><u>SIGN BOARD</u></b>  Allow for sign board.	nr	1.00					
<b>1.4.00</b>	<b><u>CLEAN-UP</u></b>  Allow for clean-up upon completion of works.	item	1.00					
<b>1.5.00</b>	<b>TOTAL OF BILL No: 01 - Carried Over To Summary</b>					-	-	-
<b>2.0.00</b>	<b>Bill No: 02 - EXCAVATION AND FILLING</b>							
<b>2.1.00</b>	<b><u>GENERAL</u></b>  (a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.							
<b>2.2.00</b>	<b><u>SITE CLEARING</u></b>							

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
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 <sup>2</sup>	25.00					
<b>2.3.00</b>	<b><u>EXCAVATION</u></b>							
	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.							
2.3.01	Excavation	m <sup>3</sup>	15.00					
<b>2.4.00</b>	<b><u>FILLING</u></b>							
	Rate shall include for: levelling, grading, trimming, compacting and similar							
2.4.01	Compacted earth filling under ground slab	m <sup>2</sup>	12.00					
<b>2.5.00</b>	<b><u>DAMP-PROOF MEMBRANE</u></b>							
	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups.							
2.5.01	Polythene damp proof membrane (500 gauge)	m <sup>2</sup>	15.00					
<b>2.8.00</b>	<b>TOTAL OF BILL №: 02 - Carried Over To Summary</b>					-	-	-
<b>3.0.00</b>	<b>Bill №: 03 - INSITU CONCRETE WORKS</b>							
<b>3.1.00</b>	<b><u>GENERAL</u></b>							
	(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.							

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	<p>(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.</p> <p>(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.</p> <p>(g) All reinforcing bars shall be high strength bars.</p> <p>(h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent.</p> <p>(i) All exposed &amp; external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical.</p> <p>(j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)</p>							
<b>3.2.00</b>	<b>MASS CONCRETE</b>							
	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 (Foundation beam)	m <sup>3</sup>	1.00					
<b>3.3.00</b>	<b>REINFORCED INSITU CONCRETE</b>							
	<b>FOUNDATION BEAMS</b>							
3.3.08	250 x 300 mm Foundation Beam FB	m <sup>3</sup>	1.88					
	<b>COLUMNS</b>							
3.3.10	150 x 150 mm Concrete columns C1	m <sup>3</sup>	0.62					
	<b>Beam</b>							
3.4.06	350 x 150 mm Beam RB	m <sup>3</sup>	1.32					
	<b>Seating Slab</b>							
3.4.06	100 mm Seating Slab	m <sup>3</sup>	0.78					
	<b>Floor slab</b>							
3.4.06	100 mm Floor Slab	m <sup>3</sup>	1.73					
	Cement	Bag	58.62					
	Coarse Sand	Bag	117.24					
	Aggregate	Bag	175.87					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	Admixture	Ltr	5.86					
<b>3.8.00</b>	<b>FORM WORK</b>							
	<b>FOUNDATION BEAMS</b>							
3.8.07	250 x 300 mm Foundation Beam FB	m <sup>2</sup>	12.55					
	<b>PEDASTAL COLUMNS</b>							
3.8.09	150 x 150 mm Concrete columns C1	m <sup>2</sup>	16.56					
	<b>Beam</b>							
3.9.06	350 x 150 mm Beam RB	m <sup>2</sup>	16.32					
	<b>Seating Slab</b>							
3.4.06	100 mm Seating Slab	m <sup>2</sup>	8.00					
	<b>Floor slab</b>							
3.4.06	100 mm Floor Slab	m <sup>2</sup>	2.00					
	Plywood 12mm flim faced	Nos	15.00					
	Timber 35x50mm	m <sup>3</sup>	0.79					
	Timber 50x50mm	m <sup>3</sup>	0.56					
	Timber Nail 1 1/2"	Kg	7.78					
	Timber Nail 2"	Kg	1.38					
	3" Wooden Screw	Nos	335.00					
	4" Wooden Screw	Nos	80.00					
<b>3.13.00</b>	<b>STEEL WORK</b>							
	<b>FOUNDATION BEAMS</b>							
3.13.01	6 mm Steel bar in foundation	nr	28.00					
3.13.01	12 mm Steel bar in foundation	nr	30.00					
	<b>Column</b>							
3.13.06	6 mm in column	nr	15.00					
3.13.07	12 mm in column	nr	32.00					
	<b>Beam</b>							
3.13.06	6 mm in beam	nr	24.00					
3.13.07	12 mm in beam	nr	16.00					
	<b>Seating Slab</b>							
3.13.06	10 mm in seating slab	nr	20.00					
	<b>Floor Slab</b>							
3.13.06	6 mm in floor slab	nr	16.00					
	Binding Wire	Kg	9.57					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
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	<b>Bill №: 04 - ROOFING WORKS</b>							
04.1.00	<b>GENERAL</b>  (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	<b>ROOFING TIMBER WORKS</b>							
	45 x 150 mm Timber Ridge beam	m	14.40					
	50 x 150 mm Timber Rafters	m	45.60					
	50 x 50 mm Timber Battens	m	80.00					
	synthetic thatch roof	m <sup>2</sup>	46.28					
	<b>TOTAL OF BILL №: 04 - Carried Over To Summary</b>					-	-	-
5.0.00	<b>Bill №: 05 - MASONRY</b>							
	<b>GENERAL</b>  (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.							
5.1.00	<b>BLOCK WORK</b>							
	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS)							
5.1.03	100 mm thk full height (Full block) BELOW GROUND FLOOR	m <sup>2</sup>	11.32					
	4" Solid Bricks	Nos	260.36					
	Cement	Bag	2.60					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
5.1.04	Coarse Sand	Bag	13.02					
	GROUND FLOOR	m <sup>2</sup>	16.98					
	4" Solid Bricks	Nos	390.54					
	Cement	Bag	3.91					
	Coarse Sand	Bag	19.53			-	-	-
<b>TOTAL OF BILL №: 05 - Carried Over To Summary</b>						-	-	-
<b>6.0.00</b>	<b>Bill №: 06 - FLOOR, WALL FINISHINGS</b>							
	<b>GENERAL</b>							
	(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.							
<b>6.1.00</b>	<b>PLASTERING</b>							
	20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent.							
6.1.03	BELOW GROUND FLOOR	m <sup>2</sup>	14.15					
	Cement	Bag	2.36					
	Coarse Sand	Bag	9.43					
	Fine Sand	Bag	9.43					
6.1.04	GROUND FLOOR	m <sup>2</sup>	33.96					
	Cement	Bag	5.66					
	Coarse Sand	Bag	22.64					
	Fine Sand	Bag	22.64					
<b>6.2.00</b>	<b>CEMENT SCREED</b>							
	50 mm thk cement screed							
6.2.01	GROUND FLOOR	m <sup>2</sup>	17.25					
	Cement	Bag	5.75					
	Coarse Sand	Bag	23.00					
<b>TOTAL OF BILL №: 06 - Carried Over To Summary</b>						-	-	-
<b>7.0.00</b>	<b>Bill №: 07 - PAINTING &amp; DECORATIONS</b>							

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	<p><b>GENERAL</b></p> <p>(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 &amp; window furniture.</p> <p>(b) All painting work shall be carried in accordance with the Specifications.</p>							
7.1.00	<b>WALL PAINTING</b>							
7.1.02	Weatherbound paint finish as specified (EXTERNAL SURFACES)							
	GROUND FLOOR	m <sup>2</sup>	50.00					
	Exterior Wall sealer	Ltr	14.29					
	Enamel Paint	Ltr	14.29					
<b>TOTAL OF BILL No: 07 - Carried Over To Summary</b>								
						-	-	-