

# **BILL OF QUANTITIES**

**PROPOSED SINGLE STOREY COURT BUILDING AT  
GDH HOADEDHDHOO**

**CLIENT: GDH. HOADEDHDHOO MAGISTRATE COURT**

August 2023

**SUMMARY OF BILLS OF QUANTITIES**

**Proposed Single storey court building at Gdh.Hoadedhdhoo**

<b>Bill No</b>	<b>Description</b>	<b>Amount</b>
1	PRELIMINARIES	
2	GROUND WORKS	
3	CONCRETE	
	<b>Total</b>	
	<b>Retention</b>	
	<b>Less Rentention</b>	
	<b>GST 8%</b>	

Item	Description	Unit	Qty	Rate	Amount
	<b><u>BILL No: 01</u></b>				
	<b>PRELIMINARIES</b>				
1.1	<u>General Notes</u>				
-1.0	Abbreviations				
	m - metre				
	No - numbers				
	m <sup>3</sup> - cubic metre				
	m <sup>2</sup> - square metre				
	Lm - Linear metre				
	t - tonnes				
	incl - including				
	mm - millimetre				
	dia - diameter				
	SS - Stainless Steel				
	GI - Galvanised Iron				
(1)	Site Management Costs				
-1.0	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings and similar.	item	1.00		
(1)	Sign Board				
-1.0	Allow for a sign board.	no	1.00		
(1)	Clean-up				
-1.0	Allow for clean-up of completed works and site upon completion.	item	1.00		
	<b>BILL No: 01 PRELIMINARIES</b>				
	<b>TOTAL OF BILL No: 01 - Carried over to summary</b>				

Item	Description	Unit	Qty	Rate	Amount
<b>BILL No: 02 GROUND WORKS</b>					
2.1	General (a) Rates shall include for: Wall removing, Ceiling removing, roof removing, leveling, grading, trimming, compacting to faces of excavation, keeping sides plumb, backfilling, dewatering, consolidating and disposing surplus soil.				
2.2	Site Clearing				
-1.0	Clearing site including wall removing, Ceiling removing, roof removing. Also all the works to remove the current building.	m <sup>2</sup>	700		
2.3	Excavation				
<p><b>(a) Excavation quantities are measured to the faces of concrete members. Rates shall include all additional excavation required to place the formwork.</b></p> <p><b>(b) Rate shall include for leveling, grading, trimming, and compacting</b></p>					
<p><b><u>(c) Rates shall include for: dressing around and sealing to all penetrations.</u></b></p>					
2.4	<p><b><u>(d) Foundation Beam</u></b></p> <p><b><u>filling</u></b></p> <p>(a) Rates shall include for: leveling, grading, trimming and compacting.</p>	m <sup>3</sup>	27		
-1.0	Foundation	m <sup>3</sup>	27		
-2.0	<b><u>300 mm thick compacted hardcore</u></b>	m <sup>2</sup>	315		
-(3)	50 mm thick sand blinding layer to receive damp proof membrane.	m <sup>2</sup>	315.00		
2.5	<b><u>Damp Proof Membrane</u></b>				
-(a)	(a) Rates shall include for: dressing around and sealing to all penetrations.				
-1.0	Polythene sheet damp proof membrane (500 gauge) laid on blinding layer.	m <sup>2</sup>	315.00		
<p><b>BILL No: 02 - GROUND WORKS</b></p> <p><b>TOTAL OF BILL No: 02 - Carried over to summary</b></p>					

Item	Description	Unit	Qty	Rate	Amount
	<b>BILL No: 03 CONCRETE</b>				
(3)	General (a) Rates shall include for: placing in position; making good after removal of formwork 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 by volume. (c) Use plasticiser in all concrete works. (e) Rates shall include for: lean concrete (f) Rates shall include for: Concrete including reinforcement and formwork, placing in position; making good after removal of formwork and casting in all required items; additional concrete required to conform to structural and excavated tolerances.				
(3)	Lean Concrete (a) Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.				
(4)	50mm thick lean concrete to bottom of Footings	m <sup>2</sup>	7.58		
5.0	<b>50mm thick lean concrete to bottom of Tie Beam-TB</b>	m <sup>2</sup>	30.00		
<b>3.3 Reinforced Concrete</b>					
	<b><u>In-situ reinforced concrete to:</u></b> <b><u>Foundations</u></b>				
3.3.1					
3.3.1.1	<b>Footings: Construction of in-situ footing (F1) works as specified</b>	m <sup>3</sup>	1.90		
3.3.2	<b><u>Foundation Beams</u></b>	m <sup>3</sup>	7.21		
3.3.3	Ground Floor				
3.3.3.1	Columns	m <sup>3</sup>	1.26		
3.3.3.2	Ground floor slab 100mm thick	m <sup>3</sup>	31.50		
3.3.3.3	150 x 100 sill beams and Lintel Roof level	m <sup>3</sup>	1.35		
3.3.3.4	Roof beams :Construction of in-situ tie beam works as	m <sup>3</sup>	7.63		
3.4	<b><u>Formwork</u></b> (a) 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.				

Item	Description	Unit	Qty	Rate	Amount
3.4.1	Foundations				
3.4.1.1	Footing	m <sup>2</sup>	12.85		
3.4.1.2	<b><u>Foundation Beams</u></b>	m <sup>2</sup>	72.17		
3.4.2	<u>Ground Floor</u>				
3.4.2.1	Ground floor Slab				
		m <sup>2</sup>	7.45		
3.4.2.2	Columns	m <sup>2</sup>	72.40		
3.4.2.3	150 x 100 sill/lintel beams				
		m <sup>2</sup>	26.94		
3.4.3	Roof level				
3.4.3.1	<u>Roof beams</u>	m <sup>2</sup>	104.80		
3.5	Reinforcement				
	(a) Rates shall include for: cleaning, fabrication,				
	(b) All reinforcing bars shall be high strength bars.				
3.5.1	Foundation				
3.5.1.1	Footings				
	12 mm dia. bars in footing.	kg	21.36		
	10 mm dia. bars in footing.	kg	37.20		
-(2)	Foundation Beams				

Item	Description	Unit	Qty	Rate	Amount
3.5.2	12 mm dia. bars in foundation beam.	kg	725.00		
	<b><u>6 mm dia. bars in foundation beam.</u></b>	kg	155.00		
	Ground Floor				
-1.0	<u>12 mm dia. bars in columns</u>	kg	351.78		
-(2)	6 mm dia. bars in columns	kg	130.42		
-(3)	12 mm dia. bars in Tie Beam-TB	kg	471.00		
-(4)	6 mm dia. bars in Tie Beam-TB	kg	111.35		
-5.0	10 mm dia. bars in 150 x 100 sill Beams	kg	5.00		
-6.0	<u>6 mm dia. bars in 150 x 100 sill Beams</u>	kg	351.78		
3.5.3	Roof Level				
-1.0	<u>12 mm dia. bars in roof beams</u>	kg	737.70		
-(2)	6 mm dia. bars in roof beams	kg	157.88		
3.5.4	<u>Water proofing</u>				
	<b><u>Rates shall include for: dressing around and sealing to all penetrations</u></b>				
-1.0	Apply bitumen type waterproofing to all surfaces of concrete below ground level in accordance with manufacturer's instructions.	m <sup>2</sup>	127.00		
3.6	Other concrete works				
	<u>(a) Rates shall include for: concrete, formwork, reinforcement &amp; finish as specified and shown on the drawings.</u>				
	<b>BILL No: 03 - CONCRETE WORKS</b>				
	<b>TOTAL OF BILL No: 03 - Carried over to summary</b>				

<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>