

**REHABILITATION OF THE REGENT COMMUNITY HEALTH CENTER**

**Bill of Quantity and Cost Estimate**

Items	Description	Units	Quantity	Rate (USD)	Amount (USD)
<b>1.0</b>	<b>PRELIMINARIES &amp; GENERAL WORKS</b>				
1.1	The Contractor shall be responsible for mobilization and demobilization to and from the site. For the provisions of but not limited to provide : - Clean fresh water and power for use on works - All necessary safety gears for workers and ensure adherence to all Health & Safety procedures, policies and guidelines - All necessary security measures for temporary storage - Handover to the client all recyclable materials removed during the rehabilitation process (such as timber / wood, reinforcement bars, metal parts, corrugated iron sheets etc) unless deemed unfit for purpose and necessary to be carted away.	LS	1.00		\$ -
	<b>Preliminaries &amp; Generals Summary</b>				\$ -
<b>2.0</b>	<b>REHABILITATION WORKS</b>				
<b>2.1</b>	<b>DEMOLITION, EXCAVATION, CONCRETE and MASONRY WORKS</b>				
2.1.1	Demolish two (2) columns at front fence and construct as per original size, height and shape. Cost to include demolishing, excavation for foundation, backfill, levelling, compaction, construction of foundation footing, and construction of columns using C-25 concrete, with diam 12mm reinforcing bars 4 in no., inclusive of leveling and compaction, of 10cm blinding in concrete to foundation bed, formworks and other necessary shuttering or accessories and works required to complete the works, such masonry works and plastering works.	m <sup>3</sup>	2.73		\$ -
	<b>Demolition, Excavation &amp; Concrete Work Summary</b>				\$ -
<b>2.2</b>	<b>REPAIRING WORK</b>				
2.2.1	Repair, supply and fix 200mm sponge for benches covered with leather (top, back and sides) for seat area, provide and fixed back rest to all seating benches, apply two coats of varnish applied to wooden surfaces, repair damaged legs or edges. (typical bench sizes 3.7m long x 0.3m wide x 0.46m high). Cost to include all activities stated above.	nr	22.00		\$ -
2.2.2	Provide and fix stainless steel counter top at the surface and edges of table using drilled screws to edges to cater for easy cleaning 1.30m long x 0.90m wide x 0.75m high	nr	6.00		\$ -
2.2.3	Repair, provide and apply two coats of varnish to cupboard doors inclusive locks and hinges 0.78m long x 0.80m high	nr	3.00		\$ -
2.2.4	Cover mattress with leather covering fitted with zip to unlock for changing purposes 1.98m long x 1.32m wide	nr	4.00		\$ -
2.2.5	Repair Beds and clean all bed handles to be sprayed with silver stainless steel paint 2.00m long x 1.36m wide	nr	6.00		\$ -
2.2.6	Repair main gate and fix to columns appropriately 3.96m wide x 2.5m high	LS	1.00		\$ -
2.2.7	Provide and replace razor wire around perimeter fence, complete with angle iron support fixed / welded to the fence. Paint angle iron before fixing razor wire.	m	131.00		\$ -
	<b>Repair Works Summary</b>				\$ -
<b>2.4</b>	<b>PLUMBING &amp; SANITARY WORK: Main Clinic and Maternity Building</b>				
	<b>Pipe Installation Works</b> - Inspect, supply and install pvc and galvanised pipes and accessories inclusive hacking and covering of pipes appropriately where applicable to and from the following sanitary appliances. Note: Diameter of pipes stated below to match actual on site.				
2.4.1	Diam 100mm & 25mm to WC's	nr	7.00		\$ -
2.4.2	Diam 50mm & 25mm to Hand wash basin	nr	3.00		\$ -
2.4.3	Diam 50mm to Floor Drain	nr	7.00		\$ -

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	<b>Sanitary Installation Works:</b> Clean stains appropriately from sanitary appliances to be made free from bacteria and other infectious diseases				\$ -
2.4.4	Low level WC suite with cistern	nr	4.00		\$ -
2.4.5	White vitreous hand wash basin, with two taps	nr	8.00		\$ -
2.4.6	Shower tray 900mm x 900mm complete with all waste fittings	nr	2.00		\$ -
2.4.7	<b>TESTING:</b> Allow for testing the entire Plumbing Installation for performance water tightness and water pressure.	LS	1.00		\$ -
	<b>Plumbing Work Summary</b>				\$ -
<b>2.5</b>	<b>ELECTRICAL WORK</b>				
2.5.1	Check all electrical cabling and replace damaged cables inclusive fittings, switches, sockets and light bulbs (allow 10 socket and 10 light fittings to be replaced or added)	LS	1.00		\$ -
	<b>Electrical Work Summary</b>				\$ -
<b>2.6</b>	<b>ROOFING WORK</b>				
	Inspect, provide and install (including sealant washer, steel, wire and roofing nails) roofing pre-coated corrugated iron sheets 28 guage thickness				
2.6.1	Main Clinic Building 18m long x 11.6m wide	LS	1.00		\$ -
2.6.2	Maternity Building 13.17m long x 10.94m wide	LS	1.00		\$ -
	<b>Roofing Work Summary</b>				\$ -
<b>2.7</b>	<b>PAINTING WORK: Main Clinic Building</b>				
	Prepare and apply one under coat and one coat of partly vinyl matt emulsion and partly one finish coat of quality oil paint on:				
2.7.1	Internal walls	m <sup>2</sup>	1,208.00		\$ -
2.7.2	External Walls	m <sup>2</sup>	426.00		\$ -
2.7.3	Hardboard ceiling Eaves and verge	m <sup>2</sup>	50.00		\$ -
	Prepare, prime and apply one under coat and one finishing coat of quality oil paint to steel doors and windows	nr	31.00		\$ -
2.7.5	Ditto but to Polyurethane finish doors and frames	nr	40.00		\$ -
2.7.6	Ditto but to Fascia board, n.e 0.3m wide	m <sup>2</sup>	15.08		\$ -
2.7.7	Polyurethane finish doors and frames	no	20.00		\$ -
	<b>Painting to other Buildings</b> (security Post, Generator room, Incinerator room, tank tower):-				
2.7.8	Prepare and apply one undercoat and one coat of quality polymer based vinyl matt emulsion paint on plastered walls internal walls	m <sup>2</sup>	59.00		\$ -
2.7.9	Ditto to external walls	m <sup>2</sup>	80.00		\$ -
	<b>Painting to Fence and Fence Grills</b>				\$ -
2.7.10	Prepare and apply one undercoat and one coat of quality weather shield based vinyl matt emulsion paint on plastered walls	m <sup>2</sup>	66.00		\$ -
2.7.11	Prepare and apply one coat of polymer based quality vinyl matt oil paint to fence grills and gate and frames	m <sup>2</sup>	11.00		\$ -
	<b>Painting Work Summary</b>				\$ -
<b>2.8</b>	<b>EXTERNAL TOILET BUILDING WORK</b>				
2.8.1	Provide, replace and install (including sealant washer, steel, wire and roofing nails) all damaged corrugated iron sheets 28 guage with Aluminium roofing sheets 0.4mm thickness and all accessories including timber battains (as trusses and purlins) to existing building sie (4.57m long x 2.16m wide (Note: This measurement is at flat surface))	m <sup>2</sup>	9.87		\$ -
2.8.2	Provide and install hardboard ceiling including hardwood ceiling joists (internal & external and verges)	m <sup>2</sup>	12.00		\$ -
2.8.3	Prepare and apply one under coat and two full coats of vinyl matt emulsion paint on block wall (internal & external)		46.00		\$ -
2.8.4	Ditto but to hardboard ceiling		12.00		\$ -
2.8.5	Prepare, prime and apply one under coat, one gloss and one finishing coat of quality oil paint to fascia board	m <sup>2</sup>	2.00		\$ -
2.8.6	Prepare and apply three coats of varnish doors and frames:	nr	3.00		\$ -
	<b>External Toilet Building Work Summary</b>				\$ -
	<b>Rehabilitation Works Summary</b>				\$ -

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Items	Description	Units	Quantity	Rate (USD)	Amount (USD)
<b>3.0</b>	<b>NEW WORKS</b>				
<b>3.1</b>	<b>DEMOLITION, EXCAVATION, CONCRETE and MASNORY WORKS</b>				
	General: Supply and cast in place concrete to foundations, clomuns, beams and slabs. Cost inclusive of form works, scaffolding, curing, finishing of cocnrete works, reinforcement as stated in the below bill. All concrete works except lean concrete to be at minmum strenght of C-25.				
3.1.1	<b>Concerete and Masonry works to Fence Works:</b> Remove corrugated iron sheet at back side (20.45m long x 3.33m high) and construct retaining / foundation wall in 50cm thick stone wall, with strip concrete wall (60cm x 20cm thick - foundations reinforced with steel bars Masonry foundation wall to be minimum 100cm deep (as per employer represenative instruction). Stone masonry work to be up to natural ground level tied by reinforced grade beam (size 50 x 20 cm). Reinforcement bars to concrete works 6 in nr with diameter 12mm bars and 6mm stirups spaced @20cm c/c. Cost to include excavation, back fill, levelling, compaction and disposal of extra materials away from site. Masonry wall height of 220cm at the back site of the facility (mortar 1:2:4 mix) with cost inclusive plastering	Ls	1.00		\$ -
3.1.2	<b>Storage Area under Meternity Building:</b> Excavate, Level and compact bottom inclusive bedding with hard core, sand blinding, application of damp proof membrane to bottom and provide plain mass concrete paving 100mm thick 1:3:6 mix with 12mm aggregates to oversite	m <sup>3</sup>	27.00		\$ -
	<b>Demolition, Excavation &amp; Concrete Work Summary</b>				\$ -
<b>3.2</b>	<b>CARPENTRY WORK</b>				
3.2.1	Provide and install Notice boards 1.22m long x 0.92m high	nr	3.00		\$ -
3.2.2	Construct worktop using precast sandcrete block work bedded, jointed with cement and reinforced concrete 1:2:4 mix to slab with reinforcement 2.50m long x 0.47m wide x 0.89m high and tile appropriately with skirting included	nr	2.00		\$ -
3.2.3	Provide gridded White boards 1.0m high x 0.9m wide	nr	3.00		\$ -
3.2.4	Provide and install plain finish red hardwood treated with preservative and covered with two gloss of vanish shelving units with 3300mm spacing mounted and affixed to the wall using hooks, screws and wall plugs. i) Size 4.80m long x 0.25m wide - 3 in No. ii) Size 2.00m long x 0.25m wide - 4 in No. iii) Size 3.00m long x 0.25m wide - 1 in No.	Ls	1.00		\$ -
	<b>Carpentry Work Summary</b>	nr			\$ -
<b>3.3</b>	<b>PLUMBING WORK</b>	nr			
3.3.1	Provide and install Stainless steel Scrub Sink Model ES47-IR with single bowl and single side drainer, complete with taps and waste fitting at the Main Clinic and Maternity Building	nr	5.00		\$ -
	Supply and fix the following sanitary appliances including assembling, plugging, jointing, screwing.	nr			
3.3.2	Bathroom mirror 450mm x 600mm	nr	4.00		\$ -
3.3.3	Soap dish tray	nr	5.00		\$ -
3.3.4	Toilet roll holder	nr	5.00		\$ -
	<b>Plumbing Work Summary</b>				\$ -
<b>3.4</b>	<b>CHAIN LINK FENCE</b>				
3.4.1	Provide and install chain link fence fixed to columns underneath Maternity Building (szie 8.12m long x 1.60m wide x 2.8m high)	m <sup>2</sup>	22.74		\$ -
	<b>Chain link Fence Summary</b>				\$ -
	<b>New Works Summary</b>				\$ -

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Item #	Bill Item	Amount (USD)
1	PRELIMINARIES & GENERAL WORKS	\$ -
2	REHABILITATION WORKS	\$ -
3	NEW WORKS	\$ -
	<b>Grand Total</b>	\$ -