PROJECT:Cold and Medical Store Building

BILLS OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 01				
1.1	PRELIMINRIES GENERAL NOTES				
(1)	Abbreviations				
.,	LS - Lump Sum				
	m - Liner Meter				
	No - Numbers				
	m ³ - cubic meter m ² - square meter				
	t - tones				
	incl - including / Inclusive				
	mm - millimeter				
	SS - Stainless Steel GI - Galvanized Iron				
	RC- Reinforced Concrete				
	NGL - Natural Ground Level				
	FFL - Finished Floor Level				
	Notes:				
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ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 02				
	GROUND WORKS				
2.1	GENERAL				
	Rates shall include for : leveling,. Grading, trimming, compacting to faces of				
	excavation, keep sides plumb, backfilling, consolidating and disposing surplus soil.				
2.2	EXCAVATION				
	Excavation quantities are measured to the faces of concrete members. Rates shall				
	include for all additional excavation required to place the formwork and backfill and				
	compaction. Rates shall also include transporting surplus soil away from the site to				
	where directed by the Client's representative				
		3	7.05		0.00
	Excavation for Foundation Beam.	m ³	7.95		0.00
2.3	CLEANING UPON COMPLETON				
	Cleaning the site upon completion of all works	Item	1.00		0.00
2.4	Demuse of in a	I	1		
2.4	Damproofing Applying of bitumius paint or equvalent damproof paint all concrete and masonary				
	wall below the floor finished level	item	1.00		0.00
	BILL No: 02- GROUND WORKS				
	TOTAL OF BILL No:02 - Carried over to summary				0.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 03				
	CONCRETE WORKS				
3.1	GENERAL				
	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.				
	Crade 15 fee blinding Crade 25 20 w/s ratio +0.60 sement OPC to PC 12 fee all				
	Grade 15 for blinding Grade 25-30, w/c ratio < 0.60, cement OPC to BS 12 for all structural concrete unless otherwise stated				
	Quantity for Lean Concrete is measured to the edges or concrete foundation				
	members. (mix ratio; 1:2:6)				
	Quantities for Reinforced Concrete are measured to the edges of concrete				
	members. (mix ratio; 1:2:3)				
	Rates shall include: Formwork and Reinforcement as required				
3.2	REINFORCED CONCRETE				
(1)	FB	m ³	4.04		0.00
(2)	С	m ³	4.03		0.00
(3)	RB	m ³	3.25		0.00
3.3	OTHER CONCERETE WORKS				
(1)	Lintel beams above doors, windows and Ventilators	Item	10.00		0.00
(2) (3)	Sill Beams below windows and Ventilaotors	Item m ³	6.00		0.00
(3)	60mm thick Concrete Floor with 6mm dia round bar @ 300x300 (mix 1:2:4)	m	9.88		0.00
	BILL No: 03 - CONCRETE WORKS				
	TOTAL OF BILL No:03 - Carried over to summary				

TEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 04				
	MASONRY AND PLASTERING				
4.1	GENERAL				
	Rates shall include for: all 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 cutting or				
	leaving holes 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 flashings, bedding frames or plates, building in joists,				
	bearers or similar, temporary supports to openings, templates, reinforcement in				
	walls and for all necessary making good. For Masonary and Screed local sand can be use.				
	For Masonary and Screed local sand can be use.				
4.2	Masonary Walls				
(1)	4" Hollow Block Wall	m²	336.21		0.00
4.3	PLASTERING				
	Plastering on walls and conc surfaces in accordance with the drawings and				
	specifications				
(1)	One Coat of 15mm thick Plastering	m ²	672.42		0.00
4.4	FLOORING				
(1)	50mm Thick cement sand screed in concrete floor with 1:5 mortar mix.	m ²	115.50		0.00
	BILL No: 04 - MASONRY AND PLASTERING	I			

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 05				
	CEILING WORKS				
5.1	GENERAL				
5.1					
	Rates shall include for all fixing, cutting trimming nails screws and other fixings				
	according to manufacturers instructions				
	Rates shall include for timber priming and all putty works as required				
	Rates shall include for all labor in framing, notching and fitting around projections,				
	pipes, light fixtures, hatches, grilles, and similar complete with clear projects wedges and timber beading etc. similar and all nails and screw				
	The contractor shall submit sample of all ceiling boards, all sections for framing				
	and all other accessories for approval of client/consultant				
5.2					
	SUSPENED CEILING 4mm thick cement board ceiling with timber framing in toilet and exterior areas, in	+			
(1)	accordance with the drawings and specifications	m ²	36.60		0.00
(2)	9mm thick Gipson board ceiling with timber framing	m ²	40.00		0.00
(-)			10.00		0.00
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		+			
		+			
	BILL No: 05 - CEILIGN WORKS		1		1

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 06				
	DOORS AND WINDOWS				
6.1	GENERAL				
	Rates shall include for locks				
	Rates shall include for Door frames				
	Rates shall include for painting timber doors				
	All doors to be in accordance with drawings and specifications				
	All aluminum doors and windows shall have 80micron white powder coated frames				
	unless otherwise specified				
	The contractor shall submit all sections and samples for approval of				
	client/consultant before procurement				
6.2	DOOR UNITS				
(1)	Door D1	Nos	2.00		0.00
(2)	Door D2 (Aluminum)	Nos	1.00		0.00
(3)	Door D3 (Aluminum)	Nos	1.00		0.00
(4)	Door D4 (Aluminum)	Nos	1.00		0.00
(5)	Folding Gate with Gipipe and Tin sheet 3600mm x 3000mm	Nos	2.00		0.00
6.3	WINDOWS AND FIXED GLASS PANELS				
(1)	Window W1	Nos	1.00		0.00
(2)	Vantilator V1	Nos	5.00		0.00
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	BILL No: 06 - DOORS AND WINDOWS				
	TOTAL OF BILL No:06 - Carried over to summary				0.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 07 FINISHES				
7.1	GENERAL				
	Rates shall include for tiles, cements and other necessary accessories and works				
7.2	FLOOR FINSIHES				
(1)	600mm x 600mm Polishes Homogeneous tiles on toilet floor and Admin Area including front area of Admin	m²	51.00		0.00
7.3	WALL FINSIHES				
(1)	300mm x 600mm Homogeneous tiles on toilet walls	m ²	9.72		0.00
	BILL No: 07 - FINISHES	I	1		1

TEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 08 ELECTRICAL, IT & HVAC INSTALLATIONS				
8.1	ELECTRICAL BOARDS AND PANELS				
	Complete installation, including for all connections earthing's, painting, testing and similar of;				
(1)	Cleint will do				
8.2	ELECTRICAL WIRING				
	Wiring to lights	points	59.00		0.00
	Wiring to power points	points	36.00		0.00
	Wiring to DBs	points	2.00		0.00
8.3	LIGHTING, POWER POINTS				
	Supply of the follwing and fixing and supply of conduits and all boxes Rates shall including for all wall cutting for conduits and boxes . The quantities				
	given below are provisional				
(1)	wall mounting box (single)	Nos	32.00		0.00
(2)	wall mounting box (double)	Nos	26.00		0.00
(3)	DB box (36)	Nos	2.00		0.00
(4)	1 Way Switch (2 Gang)	Nos	3.00		0.00
(5)	1 Way Switch (3 Gang)	Nos	14.00		0.00
(6)	1 Way Switch (4 Gang)	Nos	4.00		0.00
(7)	1 x 15A Socket outlet	Nos	8.00		0.00
(8)	13A Socket outlet (Double)	Nos	26.00		0.00
(9)	13A Socket outlet (Single)	Nos	2.00		0.00
(10)	Ceiling mounted light	Nos	10.00		0.00
(11)	Down light	Nos	36.00		0.00
(12)	Wall mount Exhaust Fan 1'	Nos	2.00		0.00
(13)	Ceiling mount Exhaust Fan 1'	Nos	1.00		0.00
(14)	Outdoor down light ceiling mount	Nos	6.00		0.00
(15)	Outdoor light wall mount	Nos	6.00		0.00
	BILL No: 08 ELECTRICAL, IT & HVAC INSTALLATIONS				

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 9				
	PAINTING				
9.1	GENERAL				
	Rates Shall include for wall sealer and necessary finishing works				
9.2	WALL FINSIHES				
	Emulsion paint finish on cement plastered walls and concrete column, sides		-		
(1)	surfaces as specified on interior walls	m ²		Client will do	
(2)	Emulsion paint finish on cement plastered walls and concrete column, sides surfaces as specified on exterior walls	m ²		Client will do	
	surfaces as specified on exterior waits				
9.4	CEILING FINISHES				
(1)	Emulsion paint finish after application of putty and grinding for a smooth finish (guypsum board Ceiling)	m ²		Client will do	
	Emulsion paint finish after application of putty and grinding for a smooth finish			Client will do	
	(cement board Ceiling)	m ²			
			-		
	0				
	BILL No: 9 PAINTING TOTAL OF BILL No:9 - Carried over to summary				0.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 10				
	HYDRAULICS AND DRAINAGE				
10.1	HYDRAULICS				
	Preamble Notes Rates shall include for excavation, maintaining faces of drain pipe trenches and	-			
	pits, backfilling, disposal of surplus soil, bends, junctions, reducers, expansion				
	joints and all joints and other incidental materials.				
	All pipework shall be PVC				
10.2	Internal Plumbing - Cold Water	-			
(1)	Internal plumbing to all toilets incl. supply and laying of pipes	item	1.00		0.00
(2)	Internal plumbing to all sinks incl. supply and laying of pipes	item	1.00		0.00
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40.2					
10.3	External Plumbing Cleint will conect the water and Sewage	-			
10.4	Sanitary Fixtures & Accessories				
	Sanitary Fixtures complete incl. brackets, stop valves, fittings etc All Sanitary				
	fittings shall have given in products manual				
(1)	Water Closet with Flash Tank	Nos	1.00		0.00
(2)	Wash Basin	Nos	1.00		0.00
(3)	Wash Basin Tap	Nos	1.00		0.00
(4)	Muslim Shower	Nos	1.00		0.00
(5)	Sink	Nos	1.00		0.00
(6)	Sink Tap	Nos	1.00		0.00
(7)	Floor Drain	Nos	1.00		0.00
(8)	Plastic Framed Mirror Water Tap	Nos Nos	1.00		0.00
(11)			1.00		0.00
10.5	DRAINAGE				
10.5.1	Preamble Notes				
	Rates shall include for excavation, maintaining faces of drain pipe trenches and				
	pits, backfilling, disposal of surplus soil, bends, junctions, reducers, expansion				
	joints and all joints and other incidental materials.				
	All pipework shall be PVC				
10.5.2	Rainwater Discharge pipe				
(4)	100mm Dia. Rainwater discharge pipe from Gutter, rates shall include for supply		0.00		
(1)	and installation of piping from terrace through ducting and connection to exterior	Nos	6.00		0.00
	drain system and any associated civil works	-			
10.5.3	Inspection Chamber				
	(a) Installation of inspection chamber for sewage, waste water and drainage				
(1)	Installation of inspection chamber	Nos	1.00		0.00
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		+			
	BILL No: 10 HYDRAULICS AND DRAINAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	BILL No: 11 ROOFING				
	ROOFING				
11.1	Roof Structure				
(1)	Completion of Timber Roof Structure as per the Drawing. (Rafters 150x50mm and Purlins 50x35mm)	m²	272.20		0.00
11.2	Roofing				
(1)	Supply and complete installation of Lysaght Gutter	m	42.00		0.00
(2)	Supply and complete installation of Lysaght Roofing Sheets including necessary caping	m ²	272.20		0.00
(3)	Supply and complete installation of cement fascia board	m	42.00		0.00
	BILL No: 11 ROOFING TOTAL OF BILL No:11 - Carried over to summary	1	1 1		0.00