

Item	Description	Unit	Qty	Rate	Amount
<u>BILL No: 01</u> <u>PRELIMINARIES</u>					
1.1	<u>General Notes</u>				
(1)	<u>Abbreviations</u> m - metre No - numbers m ³ - cubic metre m ² - square metre Lm - Linear metre t - tonnes incl - including mm - millimetre dia - diameter SS - Stainless Steel GI - Galvanised Iron				
1.2	<u>Site Management Costs</u>				
(1)	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	
1.3	<u>Clean-up</u>				
(1)	Allow for clean-up of completed works and site upon completion.	item		1.00	
BILL No: 01 PRELIMINARIES					
TOTAL OF BILL No: 01 - Carried over to summary					

Item	Description	Unit	Qty	Rate	Amount
<u>BILL No: 02</u> <u>CONCRETE</u>					
2.1	<p>General</p> <p>(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.</p> <p>(b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6 by volume.</p> <p>(c) Use plasticiser in all concrete works.</p>				
2.2	R.C Flag Post				
(1)	RC Flag post footing including 4 anchor bolts as specified in the drawing.	no	2.00		
2.3	R.C.C Bench for Prison				
(1)	R.C.C Bench for prison including concrete, filing , reinforcement, forwork, as per specified in the drawing	no	1.00		
BILL No: 02 - CONCRETE WORKS					
TOTAL OF BILL No: 02- Carried over to summary					

Item	Description	Unit	Qty	Rate	Amount
BILL No: 03					
<u>MASONRY AND PLASTERING</u>					
3.1	<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 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				
3.2	<u>Plastering</u> (a) Cement plastering on walls and concrete surfaces as specified incl. wire mesh at the joints of concrete surfaces and walls				
3.2.1	20mm thick plastering one layer as per specified drawing (external surface)	m ²		215.88	
3.2.2	12mm thick plastering one layer as per specified drawing (internal surface)	m ²		783.64	
3.3	<u>Cement Screed</u> 100 mm thick concrete floor screed on ground floor	m ²		39.00	
	35 mm thick floor screed on ground floor	m ²		469.00	
BILL No: 03- MASONRY AND PLASTERING					
TOTAL OF BILL No:03 - Carried over to summary					

Item	Description	Unit	Qty	Rate	Amount
BILL No: 04					
<u>WOOD & METAL WORK</u>					
4.1	<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.				
4.2	<u>Timber Partition</u> (1) Timber partition wall as specified in the drawing.	Nos	1.00		
4.4	<u>Timber Counter</u> (1) Timber counter finishing including the overhead cabinets as per specified in the drawing	Nos	1.00		
4.5	<u>Judies Panel Deck (JPD 3)</u> Minimum 25mm thick plywood laid on internal standard framework 600mm c/c. Refer to drawings.	Nos	1.00		
	(1) 1676mm Wx 5796 mm Lx 300 mm H deck finished with Red Carpet on top and sides.	Nos	1.00		
	(2) 1676mm x5412 mm deck finished with Red Carpet on top and sides.	Nos	1.00		
<u>METAL WORKS</u>					
4.6	<u>General</u> (a) Rates shall include for: all fabrication work, welding, marking, drilling for bolts including those securing timbers, steel plates, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws. (b) Rates shall include for all painting and finishing as specified (c) Rates shall include for fabrication and erection and temporary supports and fixing into position				
(1)	<u>Prison cell</u> Providing and fixing 16mm dia. Bar (tor steel) underneath the foundation beam at all joints and to the roof beam. The spacing of the iron bars should be 150 mm C/C both ways including three coats of paints	Nos	1.00		
4.7	<u>GATES</u> (1) Fabricating and fixing of G.I pipe gate as per the drawing incl. application of one coat red lead and two coats of Enamel paint.	no	1.00		
	2.0 Fabricate and install steel prison door of size 1000 x 2100 mm including three coats of paints. The door is to be specially prepared with 16 dia. Iron bar @ spacing of 150mm c/c and 2.5 inch x 2.5 inch angle iron frame including locking system.	Nos	1.00		
4.8	<u>Flag post</u>				

Item	Description	Unit	Qty	Rate	Amount
(1)	5791x75mm dia SS Flag Post including base plate and head plate as specified in the drawing.	Nos	2.00		
	4.9 Windows Grill				
(1)	6mm Aluminium grill to be fixed at all exterior windows as specified in the drawing.	item	1.00		
	BILL No:04 - WOODWORK				
	TOTAL OF BILL No: 04 - Carried over to summary				

Item	Description	Unit	Qty	Rate	Amount
BILL No: 05 ROOFING					
5.1	General (a) Rates shall include for: fair edges, dressing over angel fillets, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.				
5.2	Gutter Lysaght or equivalent gutter including framing, and supports, straps, brackets, clips, stop ends, overflow, downpipe outlets, mesh flashings and all fixings and fastenings.				
(1)	200 x 150 Lysaght gutter	m	55.24		
5.3	Down Pipes (1) 100 mm dia PVC down pipes including bends, junctions, straps, brackets, clips and all fixings.				
(1)	100 mm dia PVC down pipes including bends, junctions, straps, brackets, clips and all fixings.	m	42.18		
BILL No: 05 - ROOFING					
TOTAL OF BILL No: 05 - Carried over to summary					

Item	Description	Unit	Qty	Rate	Amount
<u>BILL NO: 06</u>					
<u>DOORS AND WINDOWS</u>					
6.1	<p><u>General</u></p> <p>(a) Rates shall include for locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware.</p> <p>(b) Rates shall include for door frames and window frames, mullions, transoms, trims, glazing, tinting, timber panels, boardings, framing, lining, fastenings and all fixings and installation.</p> <p>(c) All door frames and window frames shall be as specified in the drawing</p> <p>(d) Rates shall include for all painting and putty as specified.</p>				
6.2	<u>Door Units</u>				
(1)	Door D1, 2900 x 3300 (9.57 m ²) Alluminium	no	1.00		
(2)	Door D2, 900 x 2200 (1.98 m ²)	no	19.00		
(3)	Door D3, 700 x 2200 (1.54 m ²)	no	3.00		
(4)	Door D3, 700 x 2200 (1.54 m ²) Aluminum	no	1.00		
6.3	<u>Window Units</u>				
(1)	Window W1, 1550 x 1900 (2.945 m ²)	no	13.00		
(3)	Ventilater V1, 600 x 600 (0.36 m ²)	no	3.00		
BILL NO: 06 - DOORS AND WINDOWS					
TOTAL OF BILL No: 06 - Carried over to summary					

Item	Description	Unit	Qty	Rate	Amount
<u>BILL No: 07</u>					
<u>CEILINGS</u>					
7.1	<u>Ceilings</u>				
(1)	6 mm thick gypsum board ceiling with Cement fibre cornice boarder	m ²	469.21		
(2)	Timber framing , trimming, nails, screws, 50 x 50 mm tinber frame at 600c/c and other fixings	m ²	40.92		
(3)	Cement fibre board ceiling including fixings.	m ²	68.51		
BILL NO: 07 CEILINGS					
TOTAL OF BILL No: 07- Carried over to summary					
<u>BILL No: 8</u>					
<u>PAINTING</u>					
8.1	<u>General</u>				
	(a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door and window				
	(b) All painting work shall be carried in accordance with the Specifications				
	(c) Painting system shall be Nippon or Equivalent				
	(d) Weather proof emulsion paint system with textured finish on plastered and concrete surfaces of external and normal emulsion paint on internal walls				
8.2.1	External painting 1 coat of wall sealer, 1 coat tex compound & 2 coats of paints	m ²	215.88		
8.2.2	Emulsion paint putty finish system on plastered and concrete surfaces of internal walls. Internal painting 1 coat of wall sealer, 2 coats of paints	m ²	783.64		
8.3	<u>Ceilings</u>				
(1)	Emulsion paint finish on ceiling	m ²	469.21		
BILL No: 08 - PAINTING					
TOTAL OF BILL No: 08- Carried over to summary					

Item	Description	Unit	Qty	Rate	Amount
<u>BILL NO:09</u>					
<u>FINISHES</u>					
9.1	General (a) Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing.				
9.2	Ceramic floor tiles				
(1)	450 x 450mm Ceramic floor tiles	m ²	376.55		
(2)	300 x300mm all Toilet non slip ceramic floor tiles	m ²	11.54		
(3)	300 x 300mm verada non slip ceramic floor tiles(outdoor)	m ²	42.51		
(4)	450 x300mm all toilet Glazed ceramic wall tiles	m ²	49.65		
(5)	450 x300mm all pantry Glazed ceramic wall tiles	m ²	3.05		
(6)	450 x300mm all cell Glazed ceramic wall tiles	m ²	3.05		
BILL No: 9 - FINISHES					
TOTAL OF BILL No: 9 - Carried over to summary					
<u>BILL NO: 10</u>					
<u>FIRE FIGHTING SYSTEM</u>					
10.1	General (a) Provide and install fire fighting equipment inclusive of all necessary connection as per local regulations as described.				
(1)	Fire alarm systems with control panel	Nos	1.00		
(2)	Smoke alarm	Nos	15.00		
(3)	Siren w/ Light	Nos	1.00		
(4)	CO2 Extinguisher (4 lit)	Nos	2.00		
(5)	H2O Extinguisher (9 lit)	Nos	2.00		
BILL No: 10 - FIRE FIGHTING SYSTEM					
TOTAL OF BILL No: 10 - Carried over to summary					

Item	Description	Unit	Qty	Rate	Amount
<u>BILL No: 11</u>					
<u>HYDRAULICS & DRAINAGE</u>					
11.1	Hydraulics				
11.1.1	<u>General</u>				
	(a) Rates shall include for: sockets, running joints, connectors, elbows, junctions, reducers, expansion joints; backnuts and similar; incidental fittings, clips, saddles, brackets, straps, hangers, screws, nails and				
	fixing complete, including cutting and forming holes; excavating, laying pipes and backfilling trenches.				
	(b) All pipework shall be UPVC.				
11.1.2	<u>Ground water supply pipework</u>				
(1)	32 mm dia. uPVC high pressure pipe to Ground water pumps from Grnd. Well.	m	102.01		
(2)	32 mm dia. uPVC high pressure pipe to fixtures	m	3.00		
(3)	12 mm dia. uPVC high pressure pipes to fixtures	m	10.17		
11.1.3	<u>Fresh Water Supply Pipework</u>				
(2)	32 mm dia. uPVC high pressure pipe to water meter and also supply water upto 12mm dia	m	62.23		
(4)	12 mm dia. high uPVC high pressure pipe to fixtures	m	12.26		
11.1.4	<u>Fittings</u>				
	Install the following fittings as specified.				
(1)	Stop valve/Gate Valves	no	8.00		
(2)	Pressure adjustable valves	no	1.00		
(3)	Non return valve	no	4.00		
(4)	Air release valves	no	1.00		
11.1.5	<u>Sanitary fixtures & accessories</u>				
	Sanitary fixtures complete including brackets, flush pipes, overflows, plugs and washers, as specified				
(1)	WC complete	no	4.00		
(2)	Porcelain Basins	no	4.00		
(3)	Kitchen Sinks	no	1.00		
(4)	Floor drain with water trap.	no	4.00		
(5)	Basin taps	no	4.00		
(6)	Taps	no	14.00		
(7)	Muslim Showers	no	4.00		
(8)	Floor clean out	no	4.00		
(9)	Weep Holes/roof drains	no	13.00		

Item	Description	Unit	Qty	Rate	Amount
11.1.6	<u>Mirrors</u>				
(1)	Mirrors set (towel stand, soap stand)	no	4.00		
11.1.7	<u>Pumps</u>				
	Supply and installation of water pump complete including connecting to pipework and electricity as specified.				
(1)	Ground water pump	no	1.00		
11.2	<u>Drainage</u>				
11.2.1	<u>General</u>				
	(a) Rates shall include for: excavation, maintaining faces of drain pipe trenches and pits, backfilling, disposal of surplus spoil; bends, junctions, reducers, expansion joints and all joints and other incidental materials.				
	(b) All pipework shall be uPVC				
11.2.2	<u>Discharge & Ventilation Pipework</u>				
(1)	100 mm dia sewage disposal pipe	m	41.17		
(2)	50 mm dia sewage disposal pipe to fixture	m	8.37		
(3)	75 mm dia vent pipe	m	3.00		
11.2.3	<u>Inspection Chambers.</u>				
(1)	Inspection chambers complete as shown on the Drawings incl all pipe connections and similar	no	5.00		
(2)	Manhole as shown on the drawings incl all pipe connections and similar	no	1.0		
(3)	Septic Tank and Filtration Tank as shown in the drawing including all pipe connection.	no	1.0		
(4)	Soak Pit as shown in the drawing including all pipe connection.	no	1.0		
BILL No: 11 - HYDRAULICS & DRAINAGE					
TOTAL OF BILL No: 11 - Carried over to summary					

Item	Description	Unit	Qty	Rate	Amount
<u>BILL No:12</u>					
<u>ELECTRICAL INSTALLATIONS</u>					
12.1	<u>General</u>				
	(a) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories				
	(b) Rates for work in trench shall include for: excavation, maintaining faces of excavations, backfilling, compaction, appropriate cable covers, warning tape and disposal of surplus spoil				
	(c) Rates shall include for electrical conduits, fittings, equipment and similar all fixings to various building surfaces				
	(d) Each Light/ light fixture and its switch is measured as one one point; similarly each fan or each socket outlet is measured as one point;				
	(e) Rates shall include for supply and complete installation				
	(f) All main distribution boards distribution boards are 3 phase.				
12.2	<u>Mains connection</u>				
	(1) Allow for connection to electrical main cable	m	60.00		
12.3	<u>Electrical boards</u>				
	Complete installation, including for all connections, earthing, painting, testing and similar of:				
	(1) Main Electric Meter (3phase)	no	1.00		
	(2) Main distribution board	no	2.00		
	(3) Distribution board (lights)	no	2.00		
	(4) Distribution board (AC)	no	2.00		
	(5) Distribution board (Socket Switch)	no	2.00		
	(6) Meter Box (Ready made)	no	1.00		
12.4	<u>Electrical wiring</u>				
	Electrical wiring with copper conductor cable in conduits in walls and in casing on soffits of slab as specified to:				
	(1) Wiring with 1.5 mm ² cable to lighting	points	82.00		
	(2) Wiring with 2.5 mm ² cable to power points	points	98.00		
12.5	<u>Ceiling fan</u>				
	(1) 1.2m dia. Ceiling fan,	no	23.00		
	(2) mechanical ventilation	no	1.00		

Item	Description	Unit	Qty	Rate	Amount
12.6	<u>Lighting</u>				
(1)	Ceiling mount LED light 24W	no	82.0		
(2)	Wall mount water proof light	no	12.0		
(3)	Non maintained wall mounted emergency light with 2 hour battery pack	no	9.00		
12.7	<u>Socket outlets</u>				
	(a) All socket outlets shall be "Clipsal" or equivalent.				
(1)	1 x13A socket outlet	no	6.00		
(2)	2 x13A socket outlet	no	42.00		
(1)	1 x15A socket outlet	no	21.00		
(3)	1 x13A socket outlet at roof beam (for emergency light, wired from LDB)	no	9.00		
12.8	<u>Light switches</u>				
	(a) All light switches shall be "Clipsal" or equivalent.				
(1)	One way switch	no	39.00		
(2)	Two way switch	no	3.00		
(3)	Fan regulators	no	23.00		
12.9	<u>Lightening Protection System</u>				
(1)	Design, supply and installation of Erco, Eritech or equivalent lightening Protection System	item	1.00		
12.10	<u>Phone and internet</u>				
	Rates shall include for Provide & install with all necessary wiring, fittings				
(1)	Phone line and internet to supply all tables as per drawing	item	1.00		
(3)	Cat6 cable point for Network	nos	26.00		
(4)	Cat6 cable point for Telephone	nos	22.00		
BILL No:12 - ELECTRICAL INSTALLATIONS					
TOTAL OF BILL No:12 - Carried over to summary					

Item	Description	Unit	Qty	Rate	Amount
<u>BILL No: 13</u>					
<u>AIR-CONDITIONING SYSTEM</u>					
13.1 <u>General</u> (a) Rates shall include for supplying and complete installation of air-conditioning systems; including all pipework, electrical wiring, insulation, stands for outdoor units etc. (b) The Contractor shall provide detailed and complete set of shop drawings 13.2 <u>Air-conditioning</u> 13.2.1 Inverter type unit as shown in drawings					
(1)	AC outdoor& indoor wall mount unit 18000 BTU/H	no	2.00		
(2)	AC outdoor& indoor wall mount unit 12000 BTU/H	no	5.00		
(3)	AC outdoor& indoor wall mount unit 9000 BTU/H	no	4.00		
(4)	AC outdoor& indoor Ceiling mount unit 18000 BTU/H	no	2.00		
(5)	AC outdoor& indoor Ceiling mount unit 24000 BTU/H	no	4.00		
BILL No:13 - AIR-CONDITIONING SYSTEM					
TOTAL OF BILL No:13 - Carried over to summary					