

**BILL OF QUANTITIES**  
**MULAH FERRY TERMINAL**  
CLIENT : M. MULAH COUNCIL

SUMMARY OF BILLS OF QUANTITIES

**MULAH FERRY TERMINAL**

DESCRIPTION	Material Cost	Labour Cost	AMOUNT
Bill No: 01 - PRELIMINARIES			
Bill No: 02 - EXCAVATION AND FILLING			
Bill No: 03 - INSITU CONCRETE WORKS			
Bill No: 04 - ROOFING WORKS			
Bill No: 05 - DOORS & WINDOWS			
Bill No: 06 - MASONRY			
Bill No: 07 - FLOOR, WALL FINISHINGS			
Bill No: 8 - SUSPENDED CEILING			
Bill No: 9 - PAINTING & DECORATIONS			
Bill No: 10 - MECHANICAL & ELECTRICAL SERVICES			
Bill No: 11 - PLUMBING			
<b>TOTAL AMOUNT</b>			
<b>GST</b>			
<b>TOTAL AMOUNT including GST</b>			

MULAH FERRY TERMINAL  
 Republic of Maldives  
 BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
1.0.00	<b>Bill No: 01 - PRELIMINARIES</b>							
1.1.00	<b>GENERAL NOTES</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							
1.2.00	<b>SITE MANAGEMENT COSTS</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					
1.3.00	<b>SIGN BOARD</b> Allow for sign board.	nr	1.00					
1.4.00	<b>CLEAN-UP</b> Allow for clean-up upon completion of works.	item	1.00					
1.5.00	<b>TOTAL OF BILL No: 01 - Carried Over To Summary</b>							
2.0.00	<b>Bill No: 02 - EXCAVATION AND FILLING</b>							
2.1.00	<b>GENERAL</b> Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and (a) disposing surplus soil.							
2.2.00	<b>SITE CLEARING</b> 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>	220.00					
2.2.01			30.00					
2.2.01			25.00					
2.3.00	<b>EXCAVATION</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.	m <sup>3</sup>						
2.3.01	Excavation							
2.4.00	<b>FILLING</b> Rate shall include for: levelling, grading, trimming, compacting and similar	m <sup>2</sup>						
2.4.01	Compacted earth filling under ground slab							
2.5.00	<b>DAMP-PROOF MEMBRANE</b> Rate shall include for: dressing around and sealing to all penetrations,laps and turnups.	m <sup>2</sup>	48.00					
2.5.01	Polythene damp proof membrane (500 gauge)							
2.6.00	<b>DE-WATERING</b> De-watering the excavation until completion of concrete work as required	item	1.00					
2.6.01								
2.6.01								
2.8.00	<b>TOTAL OF BILL No: 02 - Carried Over To Summary</b>							
ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.0.00	<b>Bill No: 03 - INSITU CONCRETE WORKS</b>							



ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
3.3.1	150 x 150 mm Concrete columns C1	m <sup>2</sup>	7.20					
3	150 x dia mm Concrete columns C2	m <sup>2</sup>	2.83					
3.3.1	Plywood 12mm flim faced Timber 35x50mm	Nos	14.00					
3	Timber 50x50mm Timber Nail 1 1/2" Timber Nail 2" 3" Wooden Screw 4" Wooden Screw	m <sup>3</sup> m <sup>3</sup>	0.67					
3.4.0	<b>GROUND FLOOR</b>	Kg	0.15					
1	<b>COLUMNS</b>	Kg	13.00					
3.4.0	150 x 150 mm Concrete columns C1	Nos	2.00					
1	150 x dia mm Concrete columns C2	Nos	350.00					
3.4.0	<b>Floor Slab</b>	m <sup>2</sup>	80.00					
1	100 mm slab	m <sup>2</sup>	21.60					
3.3.0	<b>Beam</b>	m <sup>2</sup>	8.48					
7	350 x 150 mm Beam B1	m <sup>2</sup>	5.00					
3.3.0	250 x 150 mm Beam B2	m <sup>2</sup>	12.51					
7	Plywood 12mm flim faced Timber 35x50mm	Nos	34.38					
3.3.0	Timber 50x50mm Timber Nail 1 1/2" Timber Nail 2" 3" Wooden Screw 4" Wooden Screw	m <sup>3</sup> m <sup>3</sup>	20.00					
7	10mm Tread Rod 1800mm 10mm nut	Kg	0.61					
3.3.0	10mm washer Jack Rental	Kg	0.25					
7	<b>OTHER WORKS</b>	Nos	35.00					
3.3.0	<b>Lintel, Sill beams &amp; Mid band</b>	Nos	7.00					
7	100 x 100 mm Ground Floor	Nos	500.00					
3.3.0	Plywood 12mm flim faced Timber 35x50mm	Nos	200.00					
7	Timber Nail 1 1/2" Concrete Nail 1 1/2"	Nos	10.00					
3.4.0	<b>REINFORCEMENT</b>	Nos	150.00					
1	<b>FOUNDATION &amp; FOUNDATION BEAMS</b>	m <sup>2</sup>	150.00					
3.4.0	6 mm Steel bar in foundation	Nos	100.00					
2	12 mm Steel bar in foundation	m <sup>3</sup>	19.77					
3.4.0	<b>pedastal Column</b>	Kg	5.00					
0	6 mm in pedastal column	Kg	0.25					
3.4.0	12 mm in pedastal column	nr nr	5.00					
1	Binding Wire	nr nr	5.00					
3.4.0	<b>GROUND FLOOR</b>	Kg	76.00					
8	<b>Column</b>	nr	96.00					
3.4.0	6 mm in column	nr nr	22.00					
8	<b>Floor Slab</b>	Kg	54.00					
3.4.0	6 mm in Floor slab	nr Kg	11.25					
8	<b>Beam</b>	nr Kg	30.00					
3.8.0	6 mm in beam		208.00					
0	12 mm in beam		73.00					
3.8.0	Binding Wire		340.00					
1	<b>OTHER WORKS</b>		37.76					
	<b>Lintel, Sill beams &amp; Mid band</b>		25.00					
	10 mm Lintel, Sill beams & Mid band Ground Floor Binding Wire		1.45					
3.9.00	<b>TOTAL OF BILL No: 03 - Carried Over To Summary</b>							
4.0.00	<b>Bill No: 04 - ROOFING WORKS</b>							
4.1.0	<b>GENERAL</b>							
1	(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.							
04.1.0								
0								
4.1.0	<b>ROOFING TIMBER WORKS</b>							
0	50 x 150 mm Timber Rafters		243.00					
	38 x 50 mm Timber Battens		292.68					
	<b>GENERAL</b>	m m	292.68					
	(a) Rates shall include for: fair edges, dressing over angel fillets, roof sealant, turning into grooves, all other labours, circular edges, nails, screws and other fixings and laps.	m roll	235.00					
		roll	14.00					
		Nos	7.00					
		Nos	25.00					
			100.00					
	Lysaght roofing sheet 29" Width Wool insulation 50mmx0.9m x15m PVC black net Fascia Gutter 8' GI gutter clip							
ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT

	Gutter strap	Nos	100.00					
	Fascia capping 8'	Nos	21.00					
	Down spot 3"	Nos	12.00					
	Roofing Screw 3"	Nos	1,000.00					
	Fascia board Wood plank 4m x 200m x8mm	Nos	13.00					
4.5.00	DOWN PIPE	item	13.00					
4.5.01	82 mm dia rain water pipe							
4.5.00	<b>TOTAL OF BILL №: 04 - Carried Over To Summary</b>							
6.0.00	<b>Bill №: 05 - DOORS &amp; WINDOWS</b>							
6.1.00	<b>GENERAL</b>							
	(a) Rates shall include for locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware.							
	(b) Rates shall include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boardings, framing, lining, fastenings and all fixings.							
	(c) Sizes are given overall outside dimensions of actual doors and windows.							
	(d) Thickness and sizes of glass panels are shown on the Drawings and doors and windows schedule.							
	(e) Rates shall include for all painting as specified							
	(f) Rates shall include all items specified in the door schedule and specification.							
	(g) Frames and sashes to be 25-60 micron white powder coated aluminium other wise specified.							
	<b>GROUND FLOOR</b>							
	4448	x	2100	D1-Timber Swing Door				
	4141	x	2100	D2-Timber Swing Door				
	850	x	2100	D3-Timber Swing Door				
	700	x	2100	D4-Fiber Door				
	700	x	2000	D5-Fiber Door				
	1225	x	1200	W1-Aluminium swing Window				
						2.00		
						1.00		
						2.00		
					nr nr	4.00		
					nr nr	2.00		
					nr nr	3.00		
6.3.00	<b>TOTAL OF BILL №: 05 - Carried Over To Summary</b>							
4.0.00	<b>Bill №: 06 - MASONRY</b>							
4.1.00	<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.							
	<b>BLOCK WORK</b>							
	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS)							
	100 mm thk full height (Full block)							
	BELOW GROUND FLOOR							
	4" Solid Bricks Cement							
	GROUND FLOOR							
	4" Solid Bricks Cement							
	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar (INTERNAL WALLS).							
4.2.00	100 mm thk full height (Full block) BELOW GROUND FLOOR							
	4" Solid Bricks							
	Cement							
	GROUND FLOOR							
	4" Solid Bricks Cement							
						m <sup>2</sup>	33.43	
						Nos	768.97	
						Bag	7.69	
						m <sup>2</sup>	135.41	
						Nos	3,114.48	
						Bag	31.14	
						m <sup>2</sup>	20.12	
						Nos	462.76	
						Bag	4.63	
						m <sup>2</sup>	93.38	
						Nos	2,147.74	
						Bag	21.48	
4.3.00	<b>TOTAL OF BILL №: 06 - Carried Over To Summary</b>							
7.0.00	<b>Bill №: 07 - FLOOR, WALL FINISHINGS</b>							
7.1.00	<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.							

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
7.2.0	(b) "Masterseal 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.	m <sup>2</sup>	66.87					
0		Bag	11.14					
7.2.0	<b>PLASTERING</b>	Bag	44.58					
3	20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent.	Bag	44.58					
7.2.0	Masterpel 777 or equivalent.	m <sup>2</sup>	135.41					
4	BELOW GROUND FLOOR	Bag	22.57					
7.3.0	Cement Coarse Sand Fine Sand	Bag	90.27					
0	GROUND FLOOR	Bag	90.27					
7.3.0	Cement Coarse Sand Fine Sand	m <sup>2</sup>	40.24					
1	16 mm thk cement plaster on internal surface as specified on BELOW GROUND FLOOR	Bag	5.03					
7.4.0	Cement	Bag	20.12					
0	Fine Sand	m <sup>2</sup>	322.17					
7.4.0	GROUND FLOOR	m <sup>2</sup>	40.27					
1	Cement Fine Sand	Bag	161.09					
7.4.0	<b>CEMENT SCREED</b>	m <sup>2</sup>	109.86					
1	50 mm thk cement screed GROUND FLOOR	m <sup>2</sup>	36.62					
7.6.0	Cement	Bag	146.48					
0	Coarse Sand	Bag	100.99					
	<b>FLOOR TILING</b>	m <sup>2</sup>	308.57					
	<b>600 x 600 mm Homogenous tiles</b>	Nos	77.14					
	GROUND FLOOR	bag	63.00					
	600x600mm Floor tiles Tile adhesive 25kg	m	21.00					
	<b>600 x 100 mm Homogenous skirting tiles</b>	Nos	5.25					
	GROUND FLOOR	bag	8.88					
	600x600mm Floor tiles Tile adhesive 25kg	m <sup>2</sup>	108.48					
	<b>300 x 300 mm Homogenous tiles</b>	Nos	9.04					
	GROUND FLOOR	bag	68.30					
	300x300mm Floor tiles Tile adhesive 25kg	m <sup>2</sup>	417.40					
	<b>WALL TILING</b>	Nos	41.74					
	<b>300 x 600 mm Homogenous tiles</b>	bag						
	GROUND FLOOR							
	600x300mm Wall tiles Tile adhesive 25kg							
7.7.00	<b>TOTAL OF BILL №: 07 - Carried Over To Summary</b>							
8.0.00	<b>Bill №: 8 - SUSPENDE CEILING</b>							
8.1.0	<b>GENERAL</b>							
0	(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.							
8.2.0	<b>PLASTERBOARD CEILING</b>							
0	Fixed plasterboard ceiling system with timber framing TOILETS							
	GROUND FLOOR							
	6mm cement Board							
	35 x 50 mm treated pine wood timber 3" black Screw	m <sup>2</sup>						
	1 1/2" black screw 1" black screw	Nos						
	1 1/2" Wall plug	Nos						
	Roofing area	m						
	6mm Gypsum Board	Nos						
	35 x 50 mm treated pine wood timber 3" black Screw	Nos						
	1 1/2" black screw 1" black screw	Nos						
	1 1/2" Wall plug	Nos	8.88					
		m <sup>2</sup>	4.00					
		Nos	53.26					
		m	66.57					
		Nos	73.67					
		Nos	73.67					
		Nos	66.57					
			100.99					
			37.00					
			605.91					
			757.39					
			838.18					
			838.18					
			757.39					
8.2.00	<b>TOTAL OF BILL №: 8 - Carried Over To Summary</b>							

9.0.00 Bill No: 9 - PAINTING & DECORATIONS								
ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
9.1.0	<b>GENERAL</b>							
0	(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 & window furniture.							
9.2.0	(b) All painting work shall be carried in accordance with the Specifications.							
4								
9.3.0	<b>WALL PAINTING</b>							
0	Weatherbound paint finish as specified (EXTERNAL SURFACES)							
9.3.0	GROUND FLOOR							
1	Exterior Wall sealer Enamel Paint							
	Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES)							
	GROUND FLOOR							
	Interior Wall sealer Interior Putty Emulsion Paint							
	<b>CEILING PAINTING</b>							
	Selected paint finish including putty application on ceiling as specified (CEILING)		135.41					
	GROUND FLOOR		38.69					
	Interior Wall sealer Interior Putty Emulsion Paint		38.69					
		m <sup>2</sup> Ltr	253.87					
		Ltr	56.42					
		m <sup>2</sup> Ltr	253.87					
		Kg Ltr	56.42					
		m <sup>2</sup> Ltr	109.86					
		Kg Ltr	24.41					
			109.86					
			24.41					
9.4.00	<b>TOTAL OF BILL No: 9 - Carried Over To Summary</b>							
0.0.00	<b>Bill No: 10 - MECHANICAL &amp; ELECTRICAL SERVICES</b>							
0.1.00	<b>GENERAL</b>							
	(a) Design, provide and install electrical network for the entire building complete in accordance to standards set by the local governing body STELCO/FENAKA							
	(b) The following items and description and the drawings are given as a guidance as to the nature of the information required to be returned by the contractor. Should they not be appropriate the contractor should provide a similar BOQ using the Additions/Omissions sheets provided at the back							
	(c) The cost shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories.							
	(d) Rate shall include for necessary chasings, trenching, conduits, cables, cable trays, fittings and clips, cutting holes and chases in brick work/ block work/ concrete work complete with all necessary accessories such as sockets, connections, cable glands and boxes, hardware clips, soldering and jointing materials etc., for proper installing and							
	(e) Rates for electrical isolators, conduits, fittings, equipment and similar items shall include for: all fixings to various building surfaces.							
	(f) A light fixture is measured as one point; switch end of wire is not included in the quantity.							
	(g) A point wiring for power points is measured (regardless of 1 gang, 2 gang etc) as one point for each socket outlet; other end of wire is not included in the quantity.							
	(h) All under ground cables directly buried in ground/run in trenches to be properly laid and covered with cable tiles/trench covers. Rate for under ground cables shall include for all necessary excavation, sand layers, concrete tiles, warning strips and back filling with approved quality earth properly compacted hot dipped galvanized brackets							
	(i) The contractors are requested to refer Conditions of Contract, Special Conditions of Contract, Drawings and Specification and other relevant documents related to this tender prior to pricing of the following items							
	(j) The contractor shall provide a schedule of all builder's work in connection with details of such items as necessary, along with the tender.							
	(k) Rates for materials/ plants/ equipments not approved for duty free facilities to be quoted on duty paid basis.							
	(l) All equipments shall be guaranteed for a period of 12 months from the date of commissioning or date of practical completion of the project which ever later							
	(m) The rate shall include for insurance during handling, rehandling, transport, storage until ready for installation, delivery of equipments up to the point of installation and until handing over.							
	(n) The rates shall include for comprehensive maintenance during defects liability period of 12 months from the date of							
	(o) The tenderer shall submit the following information on the items/equipments quoted for together with the tender.							
	a. make							
	b. model No.							



ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	<p>c. technical data  d. country of manufacture  e. delivery period  f. lead time for manufacturing.  g. port of shipping  h. CIF value of each item in foreign currency.  j. Optional items and their additional cost. (additional cost to be submitted separately)  k. Schedule of items to be carried out by others installation of generators/transformers/Electrical such as some builders work and electrical  l. Details of all special features  m. schedule attached to specification.  (p) Rate for all electrical panels shall include for supply and installation of all necessary MCCBs, MCBS, EFRs, ELCBs, auxiliary contacts, Voltmeters, ammeters, Digital analyser,kWh meters, indicator lamps, selector switches, copper bus bars, inter locks, aligning and grounding of the panel, inter connectors, internal wiring connections to switch gear,steel channels and necessary hardware fixing insulating materials,all in fully enclosed metal clad panels and distribution boards completed as shown in drawing.  (q) Rate shall include for supply, installation, maintaining, testing and commissioning of the system for power and lighting according to drawings and specifications to working  (r) All materials, equipment wiring shall conform to local codes, specifications, standards/latest I.E.E. regulations ( BS 7671 ).</p> <p><b>0.2.00</b> <u>MAIN DISTRIBUTION, SUB DISTRIBUTION AND DISTRIBUTION SYSTEM</u>  <u>Distribution Boards ( DB )</u>  Distribution Panel for each floor as shown on the drawing, complete with all incoming and outgoing MCBs, RCCBs, etc any other item required to working order, wall mounted wall mount steel powder coated, IP44 enclosure with neutral link, earth bar and required accessories, all complete as per the</p> <p>0.2.02 Distribution Boards  24 Mod Distribution Board 40A ELCB (2POLE)  40A MCB (2POLE)  16A MCB  10A MCB  6A MCB</p> <p><u>MAIN / SUB CABLING</u>  All under ground cables directly buried in ground/ in the trenches as applicable, to be laid properly and covered with cable tiles, protection tapes, etc for mechanical protection, PVC sleeves may use if required. Rate shall include for all necessary works/accessories such as excavation, sand layers, cable tiles, warning strips and back filling with approved quality earth,properly compacted, to the satisfaction of the Engineer.  All above ground cables shall be laid on cable tray/ truncning /conduits as applicable and covered by tray covers, etc. for mechanical protection. PVC sleeves may use if required. Rate shall include for all necessary works/ accessories such as galvanized brackets, supporting materials, fittings, nails, cable ties, earthing, etc, trays shall be of required sizes, GI powder coated, and shotted, to the satisfaction of Engineer</p> <p><b>0.3.00</b> <u>GENERAL EARTHING</u>  0.3.01 Allow for the total earthing system inclusive of the necessary cables from all the DBs</p> <p><b>0.4.00</b> <u>POINT WIRING AND FITTINGS</u>  Rate shall include for supply &amp; installation of cable, conduits for point wiring in concealed installations including lights,switches, power outlet,data points,isolators, etc, all as specified in the drawing</p> <p>0.4.01 Supply and Installation of 2 x 1C 1.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring</p> <p>0.4.02 Supply and Installation of 2 x 1C 2.5mm2 PVC/PVC/Cu + 2.5mm2 PVC/Cu earth cable c/w uPVC conduit, junction boxes,ethernet cables, RJ45 Connectors, VGA cables etc. for the Socket outlets point wiring</p> <p>CAT 6 CABLE  TV Cable  6MM 2CORE CABLE ROLL  6MM GREEN CABLE ROLL  2MM RED CABLE ROLL  2MM BLACK CABLE ROLL</p>							
		item	1.00					
		nr		133.00				

		nr	49.00					
		Roll	1.00					
		Roll	1.00					
		Roll	1.00					
		Roll	1.00					
		Roll	8.00					
		Roll	8.00					
ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	2MM GREEN CABLE ROLL	Roll	8.00					
	1.5MM RED CABLE ROLL	Roll	10.00					
	1.5MM YELLOW CABLE ROLL	Roll	10.00					
	1.5MM GREEN CABLE ROLL	Roll	10.00					
	1.5MM BLACK CABLE ROLL	Roll	10.00					
0.5.00	<b>FIXTURES</b> Rate shall include supply and installation of following lighting fixtures, socket outlets as specified and detailed, fixed in position including all fixing accessories, supports and connect to power, under following conditions 1. All bathrooms, out door light fixtures shall be IP65 2. All switches & sockets shall be ABB or equivalent brand.							
	<b>LIGHTS AND SWITCHES</b> Outdoor wall light 40W (IP65) Indoor Wall Light Mirror light (7W LED light) 150mm Ceiling light 18W LED 24w square LED down light Ceiling fan (52" - 54") Exhaust Fan Light switch (1 G) Light switch (2 G) Light switch (3 G) Light switch (4 G) Light switch (5 G) Fan							
0.5.01	Switch	nr	9.00					
0.5.01	<b>SOCKETS</b>	nr	6.00					
0.5.02	<sup>13</sup> A twin sockets <sup>13</sup> A sockets	nr	3.00					
0.5.04	<sup>13</sup> A sockets(WP)	nr	52.00					
0.5.04	<sup>15</sup> A Sockets	nr	6.00					
0.5.07	<sup>15</sup> A Sockets(WP)	nr	13.00					
0.5.07	Fiber Socket Cable TV Socket	nr	3.00					
0.5.08		nr	12.00					
0.5.09		nr	4.00					
0.5.10		nr	5.00					
0.5.10		nr	2.00					
0.5.10		nr	5.00					
0.5.10		nr	13.00					
0.5.16		nr	20.00					
0.5.17		nr	10.00					
0.5.17		nr	3.00					
		nr	5.00					
		nr	3.00					
		nr	4.00					
		nr	4.00					
0.6.00	<b>TOTAL OF BILL №: 10 - Carried Over To Summary</b>							
1.0.00	<b>Bill №: 11 - PLUMBING</b>							
1.1.00	<b>GENERAL</b>  (a) Rates shall include for sockets, running joints, connectors, elbows, junctions, valves, reducers, expansion joints, backnuts and similar, incidental fitting, clips saddles, brackets, straps, hangers, screws, nails and fixing complete, including cutting and forming holes, excavating, laying pipes and backfilling trenches.  (b) All pipe work and fittings shall be high pressure PVC.  (c) Rates shall include for supply and fixing of all pipes.  (d) All sanitary fixtures used shall be of superior quality and approved by the architect/consultant on submission of samples.							
1.2.00	<b>WATER SUPPLY</b> Provide and fix UPVC high pressure pipes including piping, connections, fittings, valves, excavations, ducting, fixing with brackets and leak testing. <b>INTERNAL PLUMBING - FRESH WATER SUPPLY PIPE</b> Note: Internal plumbing to all toilets and kitchen including supply and laying of pipes.							
1.2.01	<b>EXTERNAL PLUMBING</b> All pipe works under groundfloor screed/slab to be laid for Waste water, sewage, fresh water and well water connection.	item	1.00					
1.2.02	Waste water and sewage connection from all the toilets including the necessary catch pits and manholes as necessary. Rates shall include for supply and laying of pipes including clean-outs as necessary.	item	1.00					
1.2.03	Water connection to all toilets. Rate shall include for supply and laying of pipes.	item	1.00					
1.2.04	<b>DISCHARGE WORK</b> Provide and fix UPVC pipes including vent pipes, vent cowls, cleaning eye, connections, fittings, valves, excavations, ducting, fixing with brackets, connecting to proposed septic tank and leak testing.	item	1.00					
1.3.00	4" Pvc Elbow Medium Pressure							
1.3.01	4" 45degree Pvc Elbow Medium Pressure 4" Pvc Y Joint Medium Pressure							
	4" pvc R Tee medium pressure 4" pvc T joint medium pressure							
	4" Pvc Joint Socket Medium Pressure 4" Pvc pipe medium pressure 20 feet 3" Pvc P trap	item	1.00					
	3" Pvc Y joint medium pressure 3" Pvc T joint medium pressure 3" Pvc Elbow medium pressure							
	3" 45 degree Elbow Medium pressure 3" pvc joint socket medium pressure							
	3" x2" staight and two side Y joint (blue colour)	nr	4.00					
	3"x2" pvc y joint medium pressure	nr	10.00					
		nr	5.00					
		nr	1.00					

			nr	1.00				
			nr	12.00				
			nr	4.00				
			nr	3.00				
			nr	10.00				
			nr	6.00				
			nr	10.00				
			nr	10.00				
			nr	13.00				
			nr	6.00				
			nr	6.00				
ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	MATERIAL AMOUNT	LABOUR AMOUNT	AMOUNT
	3" pvc clip	nr	20.00					
	3" x 2" Pvc Reducer Medium Pressure 3" Pvc pipe medium pressure 20 feet 2"	nr	15.00					
	Pvc Elbow Medium Pressure	nr	5.00					
	2" 45degree Pvc Elbow Medium Pressure 2" Pvc T joint Medium Pressure	nr	16.00					
	2" Pvc joint socket	nr	15.00					
	2" Pvc pipe medium pressure 20 feet 2" pvc clip	nr	15.00					
	1"x1/2" Pvc Reducer 1"x1/2" Pvc Reducer Elbow 1-1/2" pvc foot valve	nr	15.00					
	1-1/2" x 1" pvc Reducer socket 1" pvc union joint	nr	9.00					
	1" pvc Elbow 1" pvc T joint	nr	20.00					
	1" pvc ball valve	nr	10.00					
	1" Pvc pipe medium pressure 20 feet 1" pvc End cap	nr	15.00					
	1" pvc Joint socket 1/2" pvc stop valve 1/2" pvc elbow	nr	3.00					
	1/2" pvc inside tread elbow 1/2" pvc inside tread T joint 1/2" pvc T joint	nr	3.00					
	1/2" pvc female adapter (FTA) 1/2" pvc male adapter (MTA) 1/2" pvc joint socket	nr	9.00					
	1/2" outside tread end cap	nr	18.00					
	1/2" Pvc pipe 20 feet medium pressure 1/2" pvc clip	nr	18.00					
	1/2" pvc end cap Pvc Solvent 500ml Treadseal	nr	6.00					
	Complete installation, cleaning and testing of: Wash basin	nr	5.00					
	Wash basin tap	nr	15.00					
	Muslim shower with stop valve Soap holder	nr	18.00					
	Floor Drain 1110 mm Face Mirror	nr	10.00					
	Water Closet	nr	20.00					
	600 mm Counter top with tile finish Water booster pump	nr	20.00					
	Shower set	nr	15.00					
		nr	15.00					
		nr	10.00					
		nr	10.00					
		nr	10.00					
		nr	10.00					
		nr	8.00					
		nr	15.00					
		nr	15.00					
		nr	4.00					
		nr	5.00					
1.4.00	<b>FIXTURES</b>							
1.4.01		nr	3.00					
1.4.02		nr	3.00					
1.4.03		nr	3.00					
1.4.04		nr	3.00					
1.4.05	510 x	nr	3.00					
1.4.07		nr	3.00					
1.4.08		nr	3.00					
1.4.09	1600 x	nr	3.00					
1.4.11		item	1.00					
		nr	3.00					
1.5.00	<b>TOTAL OF BILL No: 11 - Carried Over To Summary</b>							