

# **BILL OF QUANTITIES**

**HALL & 8 CLASSROOM at TH.HIRILANDHOO**

**CLIENT : MINISTRY OF EDUCATION, GOVERNMENT OF MALDIVES**

SUMMARY OF BILLS OF QUANTITIES  
**HALL & 8 CLASSROOM at TH.HIRILANDHOO**

DESCRIPTION	AMOUNT	%
Bill No: 01 - PRELIMINARIES		
Bill No: 02 - EXCAVATION AND FILLING		
Bill No: 03 - INSITU CONCRETE WORKS		
Bill No: 04 - MASONRY		
Bill No: 05 - STRUCTURAL METAL WORKS		
Bill No: 06 - CARPENTRY		
Bill No: 07 - ROOFING		
Bill No: 08 - WINDOWS, SCREENS & LIGHTS		
Bill No: 09 - DOORS, SHUTTERS & HATCHES		
Bill No: 10 - FLOOR, WALL, CEILING, AND ROOF FINISHINGS		
Bill No: 11 - SUSPENDED CEILING		
Bill No: 12 - PAINTING & DECORATIONS		
Bill No: 13 - STAIRS, WALKWAYS AND BALUSTRADES		
Bill No: 14 - MECHANICAL & ELECTRICAL SERVICES		
Bill No: 15 - PLUMBING		
Bill No: 16 - INSULATION, FIRE STOPPING & FIRE PROTECTION		
Bill No: 17 - ADDITIONS AND OMMISIONS		
<b>Sub-total</b>		
<b>GST 6%</b>		
<b>Grand Total</b>		

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
	<p align="center"><b><u>PREAMBLE TO BILL OF QUANTITY</u></b></p> <p><b><u>1. General</u></b>  a) BOQ shall be read and construed in conjunction with other Contract Documents  b) The Tenderer is obliged to check the number of the pages of the Bill of Quantity and should any be found missing or duplicated or the figures or writing indistinct, the Tenderer must notify the Employer/Engineer at once and have the matter rectified before the Tender is submitted. No liability whatsoever will be accepted in respect of any claim for errors in the Tenderer's offer resulting from failure to comply with the foregoing.  c) The Tenderer is deemed to have visited the site/s and fully acquainted himself as to the location of each of the items and works to be carried out and to all conditions which may affect the performance of the works, including but not limited to:  -Access to each of the roads where solid waste transfer process will be carried out, and Access for the dump site.  -Restrictions applicable to working in Male City area.  -All safety regulations and employer site safety procedures.  -All Safety regulations.  d) The Tenderer is also deemed to have surveyed the actual condition of the site and buildings and made his own assessment of the type and extent of the works prior to submitting his offer.</p> <p><b><u>2. Quantities</u></b>  Even though that practical care was exercised in preparing the BOQ, but all quantities given herein shall be deemed to be estimated quantities of the work to be done but they are not to be taken as actual and correct quantities of the work to be executed and they are not to absolve the contractor of his obligations under the Contract. They are not to be taken as guarantee that the actual quantities increase or decrease, and any claim whatsoever submitted for cost or extra expenses incurred from such increase or decrease will not be accepted by Employer/Engineer except where else stipulated in the Contract.</p> <p><b><u>3. Materials</u></b>  All materials used are to be of the best new available and subject to the Employer/Engineer approval, and of durable nature, guaranteed, not liable to any base exchange and manufactured according to applicable BS, ASTM or DIN Standards. Execution also is subject to approval of Employer/Engineer and shall be the best available common practice in engineering codes at the time of execution.</p> <p><b><u>4. Unit Price and Currency</u></b>  The Unit Prices entered against the various items in the following Bill of Quantities include all operations for execution, completion and maintenance of the various items of the works finished completely in every respect till the final acceptance as specified or described in the Tender Documents, with or without modifications, either by way of additions or deductions, or alterations as may be offered in writing during the progress of the works, and include, without being limited to, all matters and things particularly referred to in the Tender Documents.  The Unit Price shall cover all costs of every kind whatsoever including, without being limited to, all charges for additional site installations, relocation, supervision, labor, transportation and supply of materials; the provision, maintenance, use and efficient repair of all plant, equipment and appliance of every kind, the construction and maintenance of all temporary works, the performance of all services and the fulfillment of all obligations and responsibilities herein defined.  The Tenderer shall be deemed to have fully considered all the conditions, obligations, and requirements of the Tender Documents before entering the respective unit price against the various items of the Bill of Quantities.  The Unit Prices given hereunder the BOQ shall also include erection, installation, fixing, and re-fixing of all elements. These prices shall also include taxes, visa for labor, gate passes, accommodations for the Contractor's staff and labors, all required insurance and work permits, guarantees, bonds, traffic plan requirements, safety procedures, etc. and all requirements necessary to have the work maintained until its final handing over.  The Unit Prices given hereunder in the Bill of Quantity for this work shall also include overheads, risks, profit etc. and all other financial matters to have all these civil works completed.</p>					

1.0.00	Bill №: 01 - PRELIMINARIES					
1.1.00	<b>GENERAL NOTES</b> <u>Abbreviations</u> m - metre nr - numbers m3 - cubic metres m2 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.					
1.3.00	<b>SIGN BOARD</b> Allow for sign board.					
1.4.00	<b>CLEAN-UP</b> Allow for clean-up upon completion of works.					
1.5.00	<b>INSURANCE, BONDS, GUARANTEES AND WARRANTIES</b> Insurance as stated in the general conditions.					
1.6.00	TOTAL OF BILL №: 01 - Carried Over To Summary					

2.0.00	Bill №: 02 - EXCAVATION AND FILLING					
2.1.00	<b>GENERAL</b>					
	(a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, and disposing surplus soil.					
2.2.00	<b>DEMOLITION</b>					
2.2.01	Demolition of existing trees and buildings ( Refer to site plan in drawings and to be confirmed on site) .Rate shall include for demolition and disposal of demolished materials from the site.	item	1.00			
2.3.00	<b>SITE CLEARING</b>					
2.2.01	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 items.	m <sup>2</sup>	934.47			
2.4.00	<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.					
2.4.01	Excavation for Foundation pads	m <sup>3</sup>	88.83			
2.4.02	Excavation for Foundation beams	m <sup>3</sup>	98.39			
2.4.03	Excavation for Foundation Raft	m <sup>3</sup>	267.53			
2.5.00	<b>FILLING</b>					
	Rate shall include for: levelling, grading, trimming, compacting and similar					
2.5.01	Compacted earth filling under ground slab	m <sup>2</sup>	820.09			
2.6.00	<b>DAMP-PROOF MEMBRANE</b>					
	Rate shall include for: dressing around and sealing to all penetrations,laps and turnups.					
2.6.01	Polythene damp proof membrane (500 gauge)	m <sup>2</sup>	820.09			
2.7.00	<b>DE-WATERING</b>					
2.7.01	De-watering the excavation until completion of concrete work as required	item	1.00			
2.8.00	TOTAL OF BILL №: 02 - Carried Over To Summary					

3.0.00	Bill No: 03 - INSITU CONCRETE WORKS						
3.1.00	<u>GENERAL</u>						
	(a) Rates shall include for: placing in position, making good after removal of formwork, mortar touch up to all concrete 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.						
	(c) All structural concrete shall be GRADE M35 and lean concrete shall be GRADE M15						
	(d) Rates shall include for: concrete, formwork, reinforcement, cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.						
	(e) 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.						
	(f) Rates shall include for: cleaning, fabrication, placing the provision for all necessary temporary fixings and supports including tie wires and chair supports, laps, distribution bars and wastage.						
	(g) All reinforcing bars shall be high strength bars.						
	(h) Slab soffits to be finished fairfaced, use plasteciser and formwork with reducing agent.						
	(i) All exposed & external concrete members shall be casted with Masterpel 777 or equivalent water proofing chemical.						
	(j) Rate shall include for applying 2 coats of waterproofing chemical to substructure.(Below ground level)						
3.1.01	Allow for Concrete Testing.			item	1.00		
3.2.00	<u>MASS CONCRETE</u>						
	Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete required to place the formwork.						
3.2.01	50 mm Lean Concrete (Foundations)			m <sup>3</sup>	17.10		
3.3.00	<u>REINFORCED INSITU CONCRETE</u>						
	<u>SUB-STRUCTURE</u>						
	<b>FOUNDATION PADS</b>						
3.3.01	2700 x	2700 x	550mm Foundation pads, F1	m <sup>3</sup>	8.02		
3.3.02	1800 x	1800 x	400mm Foundation pads, F2	m <sup>3</sup>	9.07		
3.3.03	1500 x	1500 x	350mm Foundation pads, F3	m <sup>3</sup>	7.09		
3.3.04	1200 x	1200 x	350mm Foundation pads, F4	m <sup>3</sup>	2.52		
3.3.05	1000 x	1000 x	300mm Foundation pads, F5	m <sup>3</sup>	0.60		
3.3.06	750 x	750 x	300mm Foundation pads, F6	m <sup>3</sup>	2.19		
	<b>FOUNDATION RAFT</b>						
3.3.07	300 mm Thick Raft Foundation			m <sup>3</sup>	66.88		
	<b>FOUNDATION BEAMS</b>						
3.3.08	550 x	600 mm Foundation beam, FB1		m <sup>3</sup>	12.94		
3.3.09	400 x	600 mm Foundation beam, FB2		m <sup>3</sup>	9.41		
3.3.10	550 x	600 mm Foundation beam, FB3		m <sup>3</sup>	4.03		
3.3.11	400 x	250 mm Foundation beam, TB		m <sup>3</sup>	16.53		
3.3.12	350 x	250 mm Foundation beam, TB1		m <sup>3</sup>	1.25		
3.3.13	200 x	300 mm Wall Footing , WF		m <sup>3</sup>	2.75		
	<b>STAIR STARTER</b>						
3.3.13	200 x	1275 mm Concrete stair starter		m <sup>3</sup>	0.27		
	<b>COLUMNS</b>						
3.3.14	400 x	550 mm Concrete columns C1		m <sup>3</sup>	1.58		
3.3.15	400 x	550 mm Concrete columns C2		m <sup>3</sup>	1.58		
3.3.16	400 x	500 mm Concrete columns C3		m <sup>3</sup>	2.88		
3.3.17	250 x	500 mm Concrete columns C4		m <sup>3</sup>	0.90		
3.3.18	350 x	350 mm Concrete columns C5		m <sup>3</sup>	1.65		
3.3.19	250 x	250 mm Concrete columns C6		m <sup>3</sup>	0.84		
3.4.00	<u>GROUND FLOOR</u>						
	<b>COLUMNS</b>						
3.4.01	400 x	550 mm Concrete columns C1		m <sup>3</sup>	5.90		
3.4.02	400 x	550 mm Concrete columns C2		m <sup>3</sup>	5.90		
3.4.03	400 x	500 mm Concrete columns C3		m <sup>3</sup>	10.72		
3.4.04	250 x	500 mm Concrete columns C4		m <sup>3</sup>	3.35		
3.4.05	350 x	350 mm Concrete columns C5		m <sup>3</sup>	6.16		
3.4.06	250 x	250 mm Concrete columns C6		m <sup>3</sup>	3.14		
	<b>SLABS</b>						
3.4.07	100 mm thk Concrete Slab on ground floor			m <sup>3</sup>	81.27		

3.4.08	150 mm thk Concrete Slab on half landing level	m <sup>3</sup>	0.69			
<b>STAIRCASE</b>						
3.4.09	Concrete staircase GF to 1st FL	m <sup>3</sup>	3.77			
<b>BEAMS</b>						
3.4.10	150 x 150 mm RC Capping beam (on top of stage walls)	m <sup>3</sup>	1.06			
<b>3.5.00</b>	<b>FIRST FLOOR</b>					
<b>BEAMS</b>						
3.5.01	200 x 450 mm Beam B1	m <sup>3</sup>	4.06			
3.5.02	200 x 450 mm Beam B1A		0.41			
3.5.03	200 x 400 mm Beam B2	m <sup>3</sup>	11.52			
3.5.04	250 x 450 mm Beam B3		0.92			
3.5.05	200 x 400 mm Beam B4	m <sup>3</sup>	0.84			
3.5.06	250 x 500 mm Beam B7	m <sup>3</sup>	7.86			
3.5.07	200 x 400 mm Beam HB	m <sup>3</sup>	0.38			
3.5.08	200 x 400 mm Beam CRB1	m <sup>3</sup>	0.43			
3.5.09	150 x 400 mm Beam RB4	m <sup>3</sup>	0.53			
<b>SLABS</b>						
3.5.10	150 mm thk Concrete Slab on first floor	m <sup>3</sup>	17.28			
3.5.11	170 mm thk Concrete Slab on first floor	m <sup>3</sup>	14.92			
3.5.12	200 mm thk Concrete Slab on first floor	m <sup>3</sup>	29.67			
<b>COLUMNS</b>						
3.5.13	400 x 550 mm Concrete columns C1	m <sup>3</sup>	6.16			
3.5.14	400 x 550 mm Concrete columns C2	m <sup>3</sup>	6.16			
3.5.15	400 x 500 mm Concrete columns C3	m <sup>3</sup>	11.20			
3.5.16	250 x 500 mm Concrete columns C4	m <sup>4</sup>	3.50			
3.5.17	350 x 350 mm Concrete columns C5	m <sup>5</sup>	6.43			
3.5.18	250 x 250 mm Concrete columns C6	m <sup>6</sup>	3.28			
3.5.19	150 x 150 mm Concrete columns SC	m <sup>6</sup>	1.26			
<b>STAIRCASE</b>						
3.5.20	Concrete staircase GF to 1st FL	m <sup>3</sup>	3.77			
<b>RC WALLS</b>						
3.5.21	100 mm thk RC walls on catwalk	m <sup>3</sup>	6.38			
3.5.22	100 mm thk RC walls on Corridor	m <sup>3</sup>	5.24			
<b>3.6.00</b>	<b>SECOND FLOOR</b>					
<b>BEAMS</b>						
3.6.01	200 x 400 mm Beam B2	m <sup>3</sup>	0.86			
3.6.02	200 x 450 mm Beam B5	m <sup>3</sup>	3.51			
3.6.03	200 x 400 mm Beam B6	m <sup>3</sup>	4.65			
3.6.04	250 x 500 mm Beam B7	m <sup>3</sup>	6.17			
3.6.05	200 x 450 mm Beam B8	m <sup>3</sup>	1.51			
3.6.06	350 x 1200 mm Beam B9	m <sup>3</sup>	71.41			
3.6.07	200 x 400 mm Beam HB	m <sup>3</sup>	0.38			
3.6.08	250 x 450 mm Beam CB1	m <sup>3</sup>	0.52			
<b>SLABS</b>						
3.6.09	130 mm thk Concrete Slab on Second floor	m <sup>3</sup>	71.27			
3.6.10	150 mm thk Concrete Slab on Second floor	m <sup>3</sup>	1.77			
3.6.11	180 mm thk Concrete Slab on Second floor	m <sup>3</sup>	24.41			
<b>COLUMNS</b>						
3.6.12	400 x 550 mm Concrete columns C1	m <sup>3</sup>	6.86			
3.6.13	400 x 550 mm Concrete columns C2	m <sup>3</sup>	6.16			
3.6.14	400 x 500 mm Concrete columns C3	m <sup>3</sup>	12.48			
3.6.15	250 x 500 mm Concrete columns C4	m <sup>3</sup>	3.68			
3.6.16	350 x 350 mm Concrete columns C5	m <sup>3</sup>	6.62			
3.6.17	150 x 150 mm Concrete columns SC	m <sup>3</sup>	1.28			
<b>RC WALLS</b>						
3.6.18	100 mm thk RC starter on corridor	m <sup>3</sup>	0.05			
<b>3.7.00</b>	<b>ROOF LEVEL - 01</b>					
<b>BEAMS</b>						
3.7.01	200 x 300 mm Beam RB1	m <sup>3</sup>	6.36			
3.7.02	200 x 400 mm Beam RB2	m <sup>3</sup>	4.88			
3.7.03	150 x 400 mm Beam RB3	m <sup>3</sup>	1.00			
3.7.04	200 x 400 mm Beam CRB1	m <sup>3</sup>	0.37			
<b>SLABS</b>						
3.7.05	130 mm thk Concrete Slab on Roof level-01	m <sup>3</sup>	10.46			
<b>3.8.00</b>	<b>ROOF LEVEL - 02</b>					
<b>BEAMS</b>						
3.8.01	200 x 300 mm Beam RB1	m <sup>3</sup>	6.02			

3.8.02	200 x 400 mm Beam RB2	m <sup>3</sup>	5.27			
3.9.00	<b>OTHER WORKS</b>					
	<b>Lintel and Sill beams</b>					
3.9.01	150 x 150 mm Beam LB	item	1.00			
3.9.02	300 x 150 mm Beam LT1	item	1.00			
	<b>FIN</b>					
3.9.03	100 X 150 mm thk Concrete fins (Ground Floor)	item	1.00			
3.9.04	62 X 150 mm thk Concrete fins (Second Floor)	item	1.00			
	<b>RC bench</b>					
3.9.05	75 mm thk Concrete Slab for vanity at toilet	item	1.00			
	<b>Water Well</b>					
3.9.06	1000 mm dia. Ground well	no	1.00			
3.10.00	<b>TOTAL OF BILL №: 03 - Carried Over To Summary</b>					



4.0.00	Bill №: 04 - MASONRY					
4.1.00	<p><b>GENERAL</b></p> <p>(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.</p>					
4.2.00	<p><b>BLOCK WORK</b></p> <p>Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS)</p>					
4.2.01	150 mm thk full height BELOW GROUND LEVEL	m <sup>2</sup>	59.71			
4.2.02	GROUND FLOOR	m <sup>2</sup>	206.88			
4.2.03	FIRST FLOOR	m <sup>2</sup>	226.88			
4.2.04	SECOND FLOOR	m <sup>2</sup>	276.51			
4.2.05	150 mm thk 1200mm height FIRST FLOOR	m <sup>2</sup>	59.22			
	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar (INTERNAL WALLS).					
4.2.06	150 mm thk full height BELOW GROUND LEVEL	m <sup>2</sup>	59.71			
4.2.07	GROUND FLOOR	m <sup>2</sup>	168.53			
4.2.08	FIRST FLOOR	m <sup>2</sup>	70.69			
4.2.09	SECOND FLOOR	m <sup>2</sup>	448.05			
4.2.10	100 mm thk full height GROUND FLOOR	m <sup>2</sup>	6.82			
4.2.11	FIRST FLOOR	m <sup>2</sup>	9.44			
4.2.12	SECOND FLOOR	m <sup>2</sup>	12.08			
4.2.13	150 mm thk 575mm height STAGE	m <sup>2</sup>	30.05			
4.2.14	100 mm thk 2400mm height (toilets) GROUND FLOOR	m <sup>2</sup>	15.75			
4.2.15	SECOND FLOOR	m <sup>2</sup>	37.08			
4.2.16	100 mm thk 350mm high planter wall GROUND FLOOR	m <sup>2</sup>	11.38			
4.3.00	TOTAL OF BILL №: 04 - Carried Over To Summary					

<b>5.0.00</b>	<b>Bill №: 05 - STRUCTURAL METAL WORKS</b>				
<b>5.1.00</b>	<b><u>GENERAL</u></b> <p>(a) Rates shall include for: all fabrication work, welding, marking, drilling for bolts incl. steel brackets, steel plates, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws.</p> <p>(b) Rates shall include for fabrication and erection and temporary supports and fixing into position.</p> <p>(c) "Welding" is deemed to be in accordance with the specification and for the material to which it is to be used. Gusset plates, shoe plates, ends, caps, cleats, brackets, stiffeners, bolts, etc., are required to be included to the rate of the associated steel work in which they occur.</p> <p>(d) For the description of materials refer to the Drawings and technical specification</p> <p>(e) Contractor shall submit shop drawings for approval prior to fabrication.</p> <p>(f) Unless specified otherwise, rate shall include for: All shop fabrication work, marking, delivery, unloading, hoisting, erecting and fixing as per detail drawings, All welds &amp; allowance for rolling margin, the weight of weld metal in welded constructions, members of any length, cutting to size and shape and joints in the running length, grinding to a smooth finish, unless otherwise required, Machine drilled bolt, holes, bolts, nuts and washers, cleats, shoe and gusset plates and all other connections, Wire brushing to clean all the steel surfaces (except stainless steel) after fabrication and spray painting with two coats of quick drying metal primer zinc phosphate &amp; two coats of matt anti corrosive paint with final paint, all necessary accessories and preparation and submission of Shop Drawings and As Built Drawings as specified.</p>				
<b>5.2.00</b>	<b><u>STEEL TRUSS</u></b>				
	<b>TRUSS TR1</b>				
5.2.01	Steel truss 23.5m span with 76.10mm dia x 3.2mm thick GI pipe top and bottom chord and 60.3mm dia. x 3.2mm thick GI pipe web members	no	4.00		
	<b>TRUSS TR2</b>				
5.2.02	Steel truss 15.15m span with 76.10mm dia x 3.2mm thick GI pipe top and bottom chord and 60.3mm dia. x 3.2mm thick GI pipe web members	no	4.00		
	<b>TRUSS TR3</b>				
5.2.03	Steel truss 9.6m span with 76.10mm dia x 3.2mm thick GI pipe top and bottom chord and 60.3mm dia. x 3.2mm thick GI pipe web members	no	2.00		
	<b>TRUSS TR4</b>				
5.2.04	Steel truss 9.3m span with 76.10mm dia x 3.2mm thick GI pipe top and bottom chord and 60.3mm dia. x 3.2mm thick GI pipe web members	no	4.00		
	<b>TRUSS TR5</b>				
5.2.05	Steel truss 7.5m span with 76.10mm dia x 3.2mm thick GI pipe top and bottom chord and 60.3mm dia. x 3.2mm thick GI pipe web members	no	4.00		
	<b>TRUSS TR6</b>				
5.2.06	Steel truss 6.03m span with 76.10mm dia x 3.2mm thick GI pipe top and bottom chord and 60.3mm dia. x 3.2mm thick GI pipe web members	no	4.00		
	<b>TRUSS TR7</b>				
5.2.07	Steel truss 4.9m span with 76.10mm dia x 3.2mm thick GI pipe top and bottom chord and 60.3mm dia. x 3.2mm thick GI pipe web members	no	4.00		
	<b>ROOF FRAMING</b>				
5.2.08	50 x 100 x 2.5mm 'C' Purlins at 900 c/c 60.3 mm dia x 3.2mm thk GI pipe	m m	781.91 11.17		
	<b>STAGE FRAMING</b>				
5.2.09	75 x 150 x 2.5mm thk RHS @ 400 c/c	m	232.29		
5.2.10	<b>PORTABLE STAGE RAMP AS PER DETAILED DRAWING</b>	item	1.00		
5.2.11	<b>NAME BOARD AS PER DETAILED DRAWING</b>	item	1.00		
<b>5.3.00</b>	<b>TOTAL OF BILL №: 05 - Carried Over To Summary</b>				

6.0.00	Bill №: 06 - CARPENTRY					
6.1.00	<b>GENERAL</b>					
	(a) Rates shall include for: all labour in framing, notching and fitting around projections, timbers, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.					
6.2.00	<b>LOWER ROOF FRAMING</b>					
6.2.01	50x150mm Timber rafters	m <sup>3</sup>	1.13			
6.2.02	35x50mm Timber battens	m <sup>3</sup>	0.32			
6.2.03	25x200mm Timber fascia board	m <sup>3</sup>	0.09			
6.3.00	<b>STORAGE DRAWER FRAMING</b>					
6.3.01	18mm thk plywood nailed to 50x150mm timber frame as per detailed drawing	item	5.00			
6.4.00	<b>STAGE</b>					
6.4.01	25x100mm Hardwood Flooring	m <sup>3</sup>	2.24			
6.4.00	TOTAL OF BILL №: 06 - Carried Over To Summary					

<b>7.0.00</b>	<b>Bill №: 07 - ROOFING</b>				
<b>7.1.00</b>	<b><u>GENERAL</u></b>				
	(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.				
<b>7.2.00</b>	<b><u>MAIN ROOF COVERING</u></b>				
7.2.01	Lysaght roofing sheet to specification	m <sup>2</sup>	744.09		
7.2.02	50mm mineral wool insulation with reflective layers on both installed as per suppliers specifications with recommended lap length and air gap tape. Rate shall include for BRC mesh over purlins to support insulation layer.	m <sup>2</sup>	744.09		
<b>7.3.00</b>	<b><u>CAPPING</u></b>				
7.3.01	Lysaght ridge cap as per roofing sheet suppliers assembly	m	73.01		
<b>7.4.00</b>	<b><u>GUTTER</u></b>				
7.4.01	200 x 200 mm Zinc Aluminium gutter	m	123.74		
<b>7.5.00</b>	<b><u>DOWN PIPE</u></b>				
7.5.01	82 mm dia rain water pipe	item	1.00		
7.5.02	82 mm dia rain water outlet	item	1.00		
7.5.03	50 mm dia rain water outlet	item	1.00		
<b>7.6.00</b>	<b><u>FASCIA</u></b>				
7.6.01	6 mm thk x 250mm MS Plate welded to truss end	m	108.35		
<b>7.7.00</b>	<b>TOTAL OF BILL №: 07 - Carried Over To Summary</b>				

<b>8.0.00</b>	<b>Bill No: 08 - WINDOWS, SCREENS &amp; LIGHTS</b>					
<b>8.1.00</b>	<b><u>GENERAL</u></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>8.2.00</b>	<b><u>WINDOWS</u></b>					
	<b><u>GROUND FLOOR</u></b>					
8.2.01	1200 x 600	W1 - Aluminium window with aluminium frame and Reflective glass panel	nr	3.00		
	<b><u>FIRST FLOOR</u></b>					
8.2.04	2450 x 1550	W3 - Aluminium window with aluminium frame ,aluminium louvers and Reflective glass panel	nr	12.00		
8.2.05	1200 x 1350	W4 - Aluminium window with aluminium frame and Reflective glass panel	nr	5.00		
8.2.06	1800 x 1350	W5 - Aluminium window with aluminium frame and Reflective glass panel	nr	1.00		
8.2.07	1200 x 1350	W6 - Aluminium window with aluminium frame, aluminium louvers and Reflective glass panel	nr	2.00		
8.2.08	1800 750	W7 - Aluminium window with aluminium frame and Reflective glass panel	nr	1.00		
	<b><u>SECOND FLOOR</u></b>					
8.2.09	1800 x 1350	W5 - Aluminium window with aluminium frame and Reflective glass	nr	1.00		
8.2.10	1200 x 1350	W6 - Aluminium window with aluminium frame, aluminium louvers and Reflective glass panel	nr	2.00		
8.2.11	2450 x 1485	W8 - Aluminium window with aluminium frame and Reflective glass panel	nr	16.00		
8.2.12	1525 x 1300	W9 - Aluminium window with aluminium frame and Reflective glass panel	nr	16.00		
8.2.13	1200 x 1560	W10 - Aluminium window with aluminium frame and Reflective glass panel	nr	3.00		
8.2.14	650 x 785	W11 - Aluminium window with aluminium frame and aluminum lovers	nr	2.00		
8.2.15	4865 x 600	V1 - Aluminium window with aluminium louvers	nr	1.00		
8.2.16	4652 x 600	V2 - Aluminium window with aluminium louvers	nr	1.00		
8.2.17	2802 x 600	V3 - Aluminium window with aluminium louvers	nr	1.00		
<b>8.3.00</b>	<b>TOTAL OF BILL No: 08 - Carried Over To Summary</b>					

9.0.00	Bill №: 09 - DOORS, SHUTTERS & HATCHES					
9.1.00	<p><b>GENERAL</b></p> <p>(a) Rates shall include for locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door &amp; window hardware.</p> <p>(b) Rates shall include for door frames, mullions, transoms, trims, glazing, tinting, timber panels, boardings, framing, lining, fastenings and all fixings.</p> <p>(c) Sizes are given overall outside dimensions of actual doors and windows.</p> <p>(d) Thickness and sizes of glass panels are shown on the Drawings and doors and windows schedule.</p> <p>(e) Rates shall include for all painting as specified</p> <p>(f) Rates shall include all items specified in the door schedule and specification.</p> <p>(g) Frames and sashes to be 25-60 micron white powder coated aluminium other wise specified.</p>					
9.2.00	<b>DOORS</b>					
	<b>GROUND FLOOR</b>					
9.2.01	2350 x 2500	D1 - Aluminium panel door on Aluminium frame and reflective glass (Double swing)	nr	1.00		
9.2.02	1800 x 2500	D2 - Aluminium panel door on Aluminium frame (Double swing)	nr	8.00		
9.2.03	1000 x 2300	D3 - Aluminium panel door on Aluminium frame (Single swing)	nr	3.00		
9.2.04	1000 x 2300	D4 - Aluminium panel door on Aluminium frame and aluminium louvers (Single swing)	nr	1.00		
9.2.05	1000 x 2250	D5 - Aluminium panel door on Aluminium frame and aluminium louvers (Single swing)	nr	4.00		
9.2.06	900 x 2750	D6 - Aluminium panel door on Aluminium frame (Single swing)	nr	2.00		
9.2.07	700 x 2100	D7 - PVC door	nr	3.00		
9.2.08	2590 x 725	D9 - Aluminium panel door on Aluminium frame (Single swing)	nr	5.00		
	<b>FIRST FLOOR</b>					
9.2.09	1800 x 2450	D2A - Aluminium panel door on Aluminium frame (Single swing)	nr	2.00		
9.2.10	1000 x 2300	D3 - Aluminium panel door on Aluminium frame (Single swing)	nr	2.00		
	<b>SECOND FLOOR</b>					
9.2.11	1000 x 2300	D3 - Aluminium panel door on Aluminium frame (Single swing)	nr	2.00		
9.2.12	1000 x 2250	D5 - Aluminium panel door on Aluminium frame (Single swing)	nr	2.00		
9.2.13	700 x 2100	D7 - PVC door	nr	6.00		
9.2.14	1000 x 2300	D8 - Aluminium panel door on Aluminium frame, aluminium louvers and clear glass (Single swing)	nr	16.00		
9.3.00	TOTAL OF BILL №: 09 - Carried Over To Summary					

10.0.00	Bill №: 10 - FLOOR, WALL, CEILING, AND ROOF FINISHINGS								
10.1.00	<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.								
	(b) "Masterseal 588" or equivalent should be applied on top of screeds and walls upto 300mm in all toilets.								
	(c) All external surface of masonry wall should be waterproofed with "Masterseal 588" or equivalent								
10.2.00	<b>PLASTERING</b>								
	20 mm thk cement plaster on external surface as specified on the drawing.								
10.2.01	GROUND FLOOR					m <sup>2</sup>	271.98		
10.2.02	FIRST FLOOR					m <sup>2</sup>	304.63		
10.2.02	SECOND FLOOR					m <sup>2</sup>	347.31		
	16 mm thk cement plaster on internal surface								
10.2.03	GROUND FLOOR					m <sup>2</sup>	703.16		
10.2.04	FIRST FLOOR					m <sup>2</sup>	532.94		
10.2.02	SECOND FLOOR					m <sup>2</sup>	1,396.14		
10.3.00	<b>CEMENT SCREED</b>								
	25 mm thk cement screed								
10.3.01	GROUND FLOOR					m <sup>2</sup>	272.50		
10.3.02	FIRST FLOOR					m <sup>2</sup>	191.52		
10.3.03	SECOND FLOOR					m <sup>2</sup>	131.97		
	35 mm thk cement screed with 2.5mm self levelling cement screed								
10.3.04	GROUND FLOOR					m <sup>2</sup>	520.96		
10.3.05	FIRST FLOOR					m <sup>2</sup>	74.38		
	50 mm thk cement screed								
10.3.06	GROUND FLOOR					m <sup>2</sup>	32.19		
10.3.07	FIRST FLOOR					m <sup>2</sup>	39.30		
10.3.08	SECOND FLOOR					m <sup>2</sup>	481.17		
	Cement screed with self levelling screed and bituminous waterproofing								
10.3.09	ROOF BEAM LEVEL-01					m <sup>2</sup>	80.46		
10.4.00	<b>FLOOR TILING</b>								
	<b>600 x 600 mm Homogenous Non-slip tiles</b>								
10.4.01	GROUND FLOOR					m <sup>2</sup>	282.17		
10.4.02	FIRST FLOOR					m <sup>2</sup>	230.82		
10.4.03	SECOND FLOOR					m <sup>2</sup>	577.89		
	<b>300 x 300 mm Homogenous Non-slip tiles</b>								
10.4.04	GROUND FLOOR					m <sup>2</sup>	22.52		
10.4.05	SECOND FLOOR					m <sup>2</sup>	35.25		
	<b>Step tiles</b>								
10.4.06	Step tiles with nosing as specified on the drawing					item	1.00		
10.5.00	<b>WALL TILING</b>								
	<b>600 x 300 mm Homogenous tiles</b>								
10.5.01	GROUND FLOOR					m <sup>2</sup>	57.54		
10.5.02	SECOND FLOOR					m <sup>2</sup>	70.67		
10.6.00	<b>FLOOR PAINTING</b>								
	<b>Epoxy floor paint</b>								
10.6.01	GROUND FLOOR					m <sup>2</sup>	520.96		
10.6.02	FIRST FLOOR					m <sup>2</sup>	74.38		
10.7.00	<b>CARPET FLOORING</b>								
	GROUND FLOOR (STAGE)								
10.7.01	Carpet					m <sup>2</sup>	131.60		
10.8.00	<b>SKIRTING</b>								
	<b>120-150 mm high Homogenous tile skirting</b>								
10.8.01	GROUND FLOOR					item	1.00		
10.8.02	FIRST FLOOR					item	1.00		
10.8.03	SECOND FLOOR					item	1.00		
10.9.00	TOTAL OF BILL №: 10 - Carried Over To Summary								

11.0.00	Bill №: 11 - SUSPENDE CEILING					
11.1.00	<p><b>GENERAL</b></p> <p>(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.</p>					
11.2.00	<b>PLASTERBOARD CEILING</b>					
11.2.01	Suspended acoustic ceiling system with aluminium framing FIRST FLOOR	m <sup>2</sup>	506.10			
11.2.02	6mm Cement board ceiling GROUND FLOOR	m <sup>2</sup>	295.98			
11.2.03	FIRST FLOOR	m <sup>2</sup>	121.29			
11.2.04	SECOND FLOOR	m <sup>2</sup>	302.47			
11.2.05	Fixed "Boral" or equivalent plasterboard ceiling system with timber framing SECOND FLOOR	m <sup>2</sup>	463.82			
11.3.00	TOTAL OF BILL №: 11 - Carried Over To Summary					



12.0.00	Bill №: 12 - PAINTING & DECORATIONS					
12.1.00	<p><b>GENERAL</b></p> <p>(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 &amp; window furniture.</p> <p>(b) All painting work shall be carried in accordance with the Specifications.</p>					
12.2.00	<b>WALL PAINTING</b>					
	Weatherbound paint finish as specified (EXTERNAL SURFACES)					
12.2.01	GROUND FLOOR	m <sup>2</sup>	271.98			
12.2.02	FIRST FLOOR	m <sup>2</sup>	304.63			
12.2.03	SECOND FLOOR	m <sup>2</sup>	305.22			
	Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES)					
12.2.04	GROUND FLOOR	m <sup>2</sup>	645.61			
12.2.05	FIRST FLOOR	m <sup>2</sup>	532.94			
12.2.06	SECOND FLOOR	m <sup>2</sup>	1,283.38			
12.3.00	<b>CEILING PAINTING</b>					
	Emulsion paint finish including putty application as per drawing					
12.3.01	GROUND FLOOR	m <sup>2</sup>	319.56			
12.3.02	FIRST FLOOR	m <sup>2</sup>	160.62			
12.3.03	SECOND FLOOR	m <sup>2</sup>	302.47			
12.4.00	TOTAL OF BILL №: 12 - Carried Over To Summary					

<b>13.0.00</b>	<b>Bill №: 13 - STAIRS, WALKWAYS AND BALUSTRADES</b>					
<b>13.1.00</b>	<b><u>GENERAL</u></b>					
	(a) Rates shall include for: all fabrication work, welding, marking, drilling for bolts incl. 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 fabrication and erection and temporary supports and fixing into position.					
<b>13.1.01</b>	<b><u>RAMP RAILING</u></b>					
13.1.01	50mm dia SS hollow pipe handrail at 900mm height as per drawing Ramp railing (Entrance area)	m	13.54			
<b>13.2.00</b>	<b><u>STAIRCASE RAILING</u></b>					
	50mm dia GI pipe hand railing with 25mm dia GI pipe as per drawing					
13.2.01	GROUND to FIRST FLOOR	m	13.44			
	FIRST FLOOR TO SECOND FLOOR	m	13.44			
<b>13.3.00</b>	<b><u>WALKWAY RAILING</u></b>					
13.3.01	25 and 50mm dia SS handrail at 900mm height as per drawing SECOND FLOOR	m	4.87			
<b>13.4.00</b>	<b>TOTAL OF BILL №: 13 - Carried Over To Summary</b>					

14.0.00	Bill No: 14 – MECHANICAL & ELECTRICAL SERVICES					
14.1.00	<b>GENERAL</b>					
	<p>(a) Design, provide and install electrical network for the entire building complete in accordance to standards set by the local governing body STELCO/FENAKA.</p> <p>(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 of this BOQ.</p> <p>(c) The cost shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories.</p> <p>(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 laying of cables.</p> <p>(e) Rates for electrical isolators, conduits, fittings, equipment and similar items shall include for: all fixings to various building surfaces.</p> <p>(f) A light fixture is measured as one point; switch end of wire is not included in the quantity.</p> <p>(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.</p> <p>(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 for trenches, accessories etc as applicable</p> <p>(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</p> <p>(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.</p> <p>(k) Rates for materials/ plants/ equipments not approved for duty free facilities to be quoted on duty paid basis.</p> <p>(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</p> <p>(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.</p> <p>(n) The rates shall include for comprehensive maintenance during defects liability period of 12 months from the date of handing over</p> <p>(o) The tenderer shall submit the following information on the items/equipments quoted for together with the tender.</p> <ol style="list-style-type: none"> <li>make</li> <li>model No.</li> <li>technical data</li> <li>country of manufacture</li> <li>delivery period</li> <li>lead time for manufacturing.</li> <li>port of shipping</li> <li>ClF value of each item in foreign currency.</li> <li>Optional items and their additional cost. (additional cost to be submitted separately)</li> <li>Schedule of items to be carried out by others connected to installation of generators/transformers/Electrical panels such as some builders work and electrical connection.</li> <li>Details of all special features</li> <li>schedule attached to specification.</li> </ol> <p>(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. They shall comply with the specifications and I.E.E.regulations and be complete to working order to the approval of local authorities.</p> <p>(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 order.</p> <p>(r) All materials, equipment wiring shall confirm to local codes, specifications, standards/latest I.E.E. regulations ( BS 7671 ).</p>					
14.2.00	<b>MAIN DISTRIBUTION, SUB DISTRIBUTION AND DISTRIBUTION SYSTEM</b>					
	Distribution Boards ( DB )					

	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 encloser with neutral link, earth bar and required accessories, all complete as per the specifications & drawings.				
14.2.01	Supply and installation of Main panel board with KWh meter	nr	1.00		
14.2.02	Distribution Boards	nr	11.00		
14.2.03	Internet switch board	nr	1.00		
	<b><u>MAIN / SUB CABLING</u></b>				
	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/ trucnking /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 galvernized 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				
	<b><u>CABLING UP TO MDB/DB</u></b>				
14.2.04	Feeder Cable	item	1.00		
14.2.05	Cabling from Main Panel Board to DBs	item	1.00		
14.2.06	Cabling from main internet source to internet switch board	item	1.00		
<b>14.3.00</b>	<b><u>GENERAL EARTHING</u></b>				
14.3.01	Allow for the total earthing system inclusive of the necessary cables from all the DBs	item	1.00		
<b>14.4.00</b>	<b><u>POINT WIRING AND FITTINGS</u></b>				
	Rate shall include for supply & 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				
14.4.01	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	nr	393.00		
14.4.02	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	nr	199.00		
<b>14.5.00</b>	<b><u>LIGHTS,SWITCHES AND SOCKETS</u></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><u>LIGHTS AND SWITCHES</u></b>				
14.5.01	Ceiling down light (18W) LED	nr	36.00		
14.5.02	LED Recessed down light 12W	nr	10.00		
14.5.03	LED Tube light with opal casing	nr	64.00		
14.5.04	LED Ceiling light 12W	nr	1.00		
14.5.05	Outdoor wall light 40W (IP65)	nr	38.00		
14.5.06	4x55W PLL Lamps (Wire guard,Polycarbonate diffuser,Emergency and dimming versions)	nr	45.00		
14.5.07	Mirror light	nr	6.00		
14.5.08	Ceiling fan (52" - 54")	nr	82.00		
14.5.09	Ceiling fan switches	nr	82.00		
14.5.10	Light switch (1 G)	nr	18.00		
14.5.11	Light switch (2 G)	nr	30.00		
14.5.12	Light switch (3 G)	nr	13.00		
14.5.13	Light switch (4 G)	nr	27.00		
14.5.14	Light switch (5 G)	nr	2.00		
14.5.15	Emergency light	nr	20.00		
	<b><u>SOCKETS &amp; NETWORK OUTLETS</u></b>				
14.5.16	13 A twin socket outlet	nr	115.00		
14.5.17	13 A power outlet	nr	22.00		
14.5.18	HDMI,VGA & RAC AV Twin socket	nr	8.00		
14.5.19	HDMI,VGA & RAC AV socket	nr	8.00		
14.5.20	Public address system with paging mic and volume controller	nr	1.00		
14.5.21	Speakers	nr	14.00		
14.5.22	Wired mic with controller				
14.5.23	Wall speakers at ceiling level	nr	8.00		
14.5.24	Twin computer network outlet	nr	9.00		
14.5.25	Two gang/TV socket outlet	nr	8.00		
14.5.26	Data points	nr	9.00		
14.5.27	15 A twin socket outlet	nr	1.00		

14.5.28	Flex Outlet	nr	1.00			
<b>14.6.00</b>	<b><u>AIR CONDITIONING SYSTEM</u></b>					
	Rate shall include for supply and installation of AC systems including					
	pipe works					
14.6.01	12000 BTU split	nr	1.00			
<b>14.7.00</b>	<b>TOTAL OF BILL №: 14 - Carried Over To Summary</b>					

15.0.00	<b>Bill №: 15 - PLUMBING</b>					
15.1.00	<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.					
15.2.00	<b>WATER SUPPLY</b>					
	Provide and fix UPVC high pressure pipes including piping, connections, fittings, valves, excavations, ducting, fixing with brackets and leak testing.					
	<u>INTERNAL PLUMBING - FRESH WATER SUPPLY PIPE</u>					
15.2.01	Note: Internal plumbing to all toilets including supply and laying of pipes.			item	1.00	
	<u>EXTERNAL PLUMBING</u>					
15.2.02	Connection to MWSC/FENAKA water meters.			item	1.00	
15.2.03	All pipe works under ground/floor screed/slab to be laid for Waste water, sewage, fresh water and well water connection.			item	1.00	
15.2.04	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	
15.2.05	MWSC/FENAKA water connection to all toilets. Rate shall include for supply and laying of pipes.			item	1.00	
15.3.00	<b>DISCHARGE WORK</b>					
15.3.01	Provide and fix UPVC pipes including vent pipes, vent cowls, cleaning eye, connections, fittings, valves, excavations, ducting, fixing with brackets, connecting to existing sewer line and leak testing.			item	1.00	
15.3.02	Connection to the existing sewer pipe			item	1.00	
15.4.00	<b>FIXTURES</b>					
	Complete installation, cleaning and testing of:					
15.4.01	Wash basin			nr	6.00	
15.4.02	Wash basin tap			nr	6.00	
15.4.03	Muslim shower with stop valve			nr	9.00	
15.4.04	Soap holder			nr	9.00	
15.4.05	Floor Drain			nr	13.00	
15.4.07	Water Closet			nr	9.00	
15.4.08	750 x	600	Counter top with tile finish	nr	2.00	
15.4.08	1675 x	600	Counter top with tile finish	nr	2.00	
15.4.09	Water booster pump			nr	1.00	
	<u>DISABLED TOILET</u>					
15.4.10	Wash basin			nr	1.00	
15.4.11	Wash basin tap			nr	1.00	
15.4.12	Muslim shower with stop valve			nr	1.00	
15.4.13	Soap holder			nr	1.00	
15.4.14	Floor Gully			nr	1.00	
15.4.15	510 x	1110	Face Mirror	nr	1.00	
15.4.16	Water Closet			nr	1.00	
15.4.17	Hand railings on door			set	1.00	
15.4.18	Railings ss as per drawing			set	1.00	
15.4.19	Exhaust fan ( ceiling mounted)			nr	1.00	
15.5.00	<b>TOTAL OF BILL №: 15 - Carried Over To Summary</b>					

16.0.00	Bill №: 16 - INSULATION, FIRE STOPPING & FIRE PROTECTION				
16.1.00	<p><b>GENERAL</b></p> <p>(a) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories</p> <p>(b) Rates for cable conduits, fittings, equipment and similar items shall include for: all fixings to various building surfaces</p> <p>(c) Rates shall include for all necessary electrical wiring and accessories required for completion</p> <p>(d) All items shall be supply and complete installation</p>				
16.2.00	<b>FIRE ALARM SYSTEM</b>				
16.2.01	Supply and installation of Fire alarm control panel	nr	1.00		
16.2.02	Supply and installation of smoke detector	nr	8.00		
16.2.03	Supply and installation of Manual call point	nr	7.00		
16.2.04	Supply and installation of sounder/bell	nr	5.00		
16.2.05	Supply and installation of beacons	nr	5.00		
16.2.06	Supply and installation of exit sign light	nr	40.00		
16.3.00	<b>FIRE EXTINGUISHERS (Confirming to BS EN 3-10)</b>				
16.3.01	Supply and installation of 2Kg CO2 Extinguishers	nr	9.00		
16.3.02	Supply and installation of 9 Lt. water Extinguishers.	nr	9.00		
16.0.00	TOTAL OF BILL №: 16 - Carried Over To Summary				

<b>17.0.00</b>	<b>Bill №: 17 - ADDITIONS AND OMISSIONS</b>					
<b>17.1.00</b>	<b><u>ADDITIONS</u></b>					
17.1.01	Bill №: 01 - PRELIMINARIES					
17.1.02	Bill №: 02 - EXCAVATION AND FILLING					
17.1.03	Bill №: 03 - INSITU CONCRETE WORKS					
17.1.04	Bill №: 04 - MASONRY					
17.1.05	Bill №: 05 - STRUCTURAL METAL WORKS					
17.1.06	Bill №: 06 - CARPENTRY					
17.1.07	Bill №: 07 - ROOFING					
17.1.08	Bill №: 08 - WINDOWS, SCREENS & LIGHTS					
17.1.09	Bill №: 09 - DOORS, SHUTTERS & HATCHES					
17.1.10	Bill №: 10 - FLOOR, WALL, CEILING, AND ROOF FINISHINGS					
17.1.11	Bill №: 11 - SUSPENDED CEILING					
17.1.12	Bill №: 12 - PAINTING & DECORATIONS					
17.1.13	Bill №: 13 - STAIRS, WALKWAYS AND BALUSTRADES					
17.1.14	Bill №: 14 - MECHANICAL & ELECTRICAL SERVICES					
17.1.15	Bill №: 15 - PLUMBING					
17.1.16	Bill №: 16 - INSULATION, FIRE STOPPING & FIRE PROTECTION					
	<b><u>TOTAL</u></b>					
<b>17.2.00</b>	<b><u>OMISSIONS</u></b>					
17.2.01	Bill №: 01 - PRELIMINARIES					
17.2.02	Bill №: 02 - EXCAVATION AND FILLING					
17.2.03	Bill №: 03 - INSITU CONCRETE WORKS					
17.2.04	Bill №: 04 - MASONRY					
17.2.05	Bill №: 05 - STRUCTURAL METAL WORKS					
17.2.06	Bill №: 06 - CARPENTRY					
17.2.07	Bill №: 07 - ROOFING					
17.2.08	Bill №: 08 - WINDOWS, SCREENS & LIGHTS					
17.2.09	Bill №: 09 - DOORS, SHUTTERS & HATCHES					
17.2.10	Bill №: 10 - FLOOR, WALL, CEILING, AND ROOF FINISHINGS					
17.2.11	Bill №: 11 - SUSPENDED CEILING					
17.2.12	Bill №: 12 - PAINTING & DECORATIONS					
17.2.13	Bill №: 13 - STAIRS, WALKWAYS AND BALUSTRADES					
17.2.14	Bill №: 14 - MECHANICAL & ELECTRICAL SERVICES					
17.2.15	Bill №: 15 - PLUMBING					
17.2.16	Bill №: 16 - INSULATION, FIRE STOPPING & FIRE PROTECTION					
	<b><u>TOTAL</u></b>					
<b>17.3.00</b>	<b>TOTAL OF BILL №: 17 - Carried Over To Summary</b>					