

**BILL OF QUANTITIES**  
**HALL AT R.UNGOOFAARU SCHOOL**

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

SUMMARY OF BILLS OF QUANTITIES  
**HALL AT R. UNGOOFAARU SCHOOL**

DESCRIPTION	AMOUNT	%
Bill №: 01 - PRELIMINARIES		
Bill №: 02 - GROUND WORKS		
Bill №: 03 - INSITU CONCRETE WORKS		
Bill №: 04 - STRUCTURAL METAL WORKS		
Bill №: 05 - MASONRY		
Bill №: 06 - CARPENTRY		
Bill №: 07 - ROOFING		
Bill №: 08 - WINDOWS, SCREENS & LIGHTS		
Bill №: 09 - DOORS, SHUTTERS & HATCHES		
Bill №: 10 - FLOOR, WALL, CEILING, AND ROOF FINISHINGS		
Bill №: 11 - SUSPENDED CEILING		
Bill №: 12 - PAINTING & DECORATIONS		
Bill №: 13 - STAIRS, WALKWAYS AND BALUSTRADES		
Bill №: 14 - MECHANICAL & ELECTRICAL SERVICES		
Bill №: 15 - PLUMBING		
Bill №: 16 - INSULATION, FIRE STOPPING & FIRE PROTECTION		
Bill №: 17- ADDITIONS AND OMMISIONS		
SUB-TOTAL		
GST 8%		
<b>GRAND TOTAL</b>		

## PREAMBLE NOTES

### **1.1 Discrepancies**

All participants in the Tender exercise are deemed to have read the Specifications and BOQ carefully in conjunction with all the Contract Drawings. Any discrepancies between these documents are to be brought to the attention of the Employer and clarified prior to the closing of the Tender. Should any said discrepancies be discovered at a later date, the decision of the Employer is final and any extra cost due to the contractor as a result of such discrepancies will NOT be entertained whatsoever. The Contractor shall, at all times, exercise with care and professional scrutiny to ensure that there are no discrepancies and/or divergence between Contract Drawings and specifications prior to execution of any portion of the Works on site. The Contractor shall immediately give the Employer a written notice specifying any such discrepancies or divergence should he discovered such issues and the Employer shall issue instructions in regard thereto. The Contractor should exercise due diligence in this matter as a failure and/or negligence in complying with the above stated requirements may result in extra costs. Any extra costs incurred in respect therefore shall be borne solely by the Contractor.

### **1.2 General Notes**

1. The Bill of Quantities shall be read in conjunction with the Instruction to Bidders, General Conditions of Contract, Appendix to bid, Technical Specification and Tender Drawings.
2. The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all constructional plant, labour, supervision, materials, transportation, installation/erection, profit, together with all general risks, liabilities and obligations set out or implied in the Contract.
3. 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 proposed area.
  - All safety regulations and employer site safety procedures.
4. A rate or price shall be entered against each item in the Bill of Quantities, whether quantities are stated or not. All quantities given herein shall be deemed to be estimated quantities of the work to be done. Tenderer shall check and verify the quantities before submitting the tender.
5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided but required for completion of contract works, the cost shall be deemed to be distributed among the rates and prices entered for the related item of work.
6. General directions and descriptions of work and materials are not necessarily repeated or summarized in the Bill of Quantities. The Bidder shall refer to relevant sections of the Contract Document to fully understand the item requirements before entering rates or prices against each item in the Bill of Quantities. No variation is allowed for the given scope of work.
- 7.. Measurement standard applied for calculation of quantities are according to NRM-2, RICS.

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
<b>1.0.00</b>	<b>Bill №: 01 - PRELIMINARIES</b>					
<b>1.1.00</b>	<b>GENERAL NOTES</b> <u>Abbreviations</u> 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					
<b>1.2.00</b>	<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			
<b>1.3.00</b>	<b>SIGN BOARD</b>  Allow for sign board.	nr	1.00			
<b>1.4.00</b>	<b>CLEAN-UP</b>  Allow for clean-up upon completion of works.	item	1.00			
<b>1.5.00</b>	<b>INSURANCE, BONDS, GUARANTEES AND WARRANTIES</b>  Insurance as stated in the general conditions.	item	1.00			
<b>1.6.00</b>	<b>SHOP DRAWINGS &amp; AS BUILT DRAWINGS</b>					
1.6.01	Allow for Shop Drawings during the progress of the project and As-Built Drawings after the completion of the project as stated in the general conditions.	item	1.00			
<b>1.7.00</b>	<b>SAFETY ON SITE</b>					
1.7.01	Safety on site:- Providing and maintaining adequate safety measures on site for all workers and all authorized visitors on site and protecting adjoining properties and people against falling objects or other with regard to the construction works	item	1.00			
<b>1.6.00</b>	<b>TOTAL OF BILL №: 01 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
2.0.00	<b>Bill №: 02 - GROUND WORKS</b>					
2.1.00	<u>GENERAL</u> (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	<u>SITE CLEARING</u>					
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 materials.	m <sup>2</sup>	902.38			
2.6.00	<b>TOTAL OF BILL №: 02 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
<b>3.0.00</b>	<b>Bill №: 03 - INSITU CONCRETE WORKS</b>					
<b>3.1.00</b>	<b><u>GENERAL</u></b>					
	(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 C25 and lean concrete shall be GRADE C15					
	(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) Waterproofing shall be added to all areas specified.					
	(J) Rate shall include for Cleaning and apply rust removal chemical on all					
	(K) Epoxy coating for all exposed reinforcement after cleaning					
	(L) Mechanical testing of 3 samples of column reinforcement					
	(M) Repairing of honeycomb area where vere necessary with repair mortar					
3.1.01	Allow for Concrete Testing.	item	1.00			
<b>3.2.00</b>	<b><u>REINFORCED INSITU CONCRETE</u></b>					
	<b><u>OTHER WORKS</u></b>					
3.2.01	Lintel and Sill beams refer to drawings	item	1.00			
3.2.02	Demolition of existing concrete columns beams and masonry walls in stage area	item	1.00			
3.2.03	Chipping existing columns and beams to extend columns upto lower roof beams	item	1.00			
3.2.04	Stiffner columns	m3	1.90			
3.2.05	Roof Beam	m3	4.31			
<b>3.3.00</b>	<b>TOTAL OF BILL №: 03 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
4.0.00	<b>Bill №: 04 - STRUCTURAL METAL WORKS</b>					
4.1.00	<b>GENERAL</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. (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. (d) For the description of materials and workmanship refer to the Specification of works, pricing Preambles and Drawings. (e) Contractor shall submit shop drawings for approval prior to fabrication.  (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 & 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 & 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.					
4.2.00	<b>STEEL TRUSS</b>					
	<b>TRUSS TR1</b>					
4.2.01	Steel truss 18.05m span with 60.4mm dia x 4mm thick GI pipe top and bottom chord and 48.3mm dia. x 3.6mm thick GI pipe web members	no	4.00			
	<b>TRUSS TR2</b>					
4.2.02	Steel truss 12.72m span with 60.4mm dia x 4mm thick GI pipe top and bottom chord and 48.3mm dia. x 3.6mm thick GI pipe web members	no	4.00			
	<b>TRUSS TR3</b>					
4.2.03	Steel truss 8.9m span with 60.4mm dia x 4mm thick GI pipe top and bottom chord and 48.3mm dia. x 3.6mm thick GI pipe web members	no	2.00			
	<b>TRUSS TR4</b>					
4.2.04	Steel truss 6.62m span with 60.4mm dia x 4mm thick GI pipe top and bottom chord and 48.3mm dia. x 3.6mm thick GI pipe web members	no	8.00			
	<b>TRUSS TR5</b>					
4.2.05	Steel truss 3.2m span with 60.4mm dia x 4mm thick GI pipe top and bottom chord and 48.3mm dia. x 3.6mm thick GI pipe web members	no	8.00			
	<b>TRUSS TR6</b>					
4.2.06	Steel truss span 11.17m with 60.4mm dia x 4mm thick GI pipe top and bottom chord and 48.3mm dia. x 3.6mm thick GI pipe web members	no	1.00			
	<b>ROOF FRAMING</b>					
4.2.07	50 x 100 x 2.5mm 'C' Purlins at 900 c/c	m	721.22			
	<b>STAGE FRAMING</b>					
4.2.08	50 x 100 x 2.5mm thk RHS @ 400 c/c	m	304.50			
4.3.00	<b>TOTAL OF BILL №: 04 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
5.0.00	<b>Bill №: 05 - MASONRY</b>					
5.1.00	<b><u>GENERAL</u></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.					
5.2.00	<b><u>BLOCK WORK</u></b> Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar. (EXTERNAL WALLS) 150 mm thk full height					
5.2.01	GROUND FLOOR	m <sup>2</sup>	5.00			
5.2.02	FIRST FLOOR	m <sup>2</sup>	5.00			
5.2.03	Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar (INTERNAL WALLS). 150 mm thk 575mm height STAGE	m <sup>2</sup>	8.86			
5.3.00	<b>TOTAL OF BILL №: 05 - Carried Over To Summary</b>					



ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
6.0.00	<b>Bill №: 06 - CARPENTRY</b>					
6.1.00	<b><u>GENERAL</u></b> (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.					
6.2.00	<b><u>LOWER ROOF FRAMING</u></b>					
6.2.01	35 x 50 mm timber battens	m <sup>3</sup>	0.95			
6.2.02	50 x 100 mm timber rafters	m <sup>3</sup>	2.32			
6.2.03	25 x 200 mm timber fascia board	m <sup>3</sup>	0.59			
6.3.00	<b><u>STAGE</u></b>					
6.3.01	Staircase to stage (150x50mm Hardwood stringers bolted to RC slab and capping beam as per detailed drawing	item	3.00			
6.3.02	RHS frame with checker plate drawer as per detailed drawing	item	5.00			
6.3.03	18mm Cement fibre board	m <sup>2</sup>	134.59			
6.4.00	<b>TOTAL OF BILL №: 06 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
7.0.00	<b>Bill №: 07 - ROOFING</b>					
7.1.00	<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.					
7.2.00	<b><u>MAIN ROOF &amp; LOWER ROOF COVERING</u></b>					
7.2.01	Lysaght roofing sheet to specification	m <sup>2</sup>	1,008.97			
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>	1,008.97			
7.3.00	<b><u>CAPPING</u></b>					
7.3.01	Lysaght ridge cap as per roofing sheet suppliers assembly	m	71.50			
7.4.00	<b><u>GUTTER</u></b>					
7.4.01	200 x 200 mm Zinc gutter	m	186.10			
7.5.00	<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			
7.6.00	<b><u>FASCIA</u></b>					
7.6.01	6 mm thk x 250mm x 250mm MS Plate welded to truss end	nr	28.00			
7.7.00	<b>TOTAL OF BILL №: 06 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
<b>8.0.00</b>	<b>Bill №: 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 750 W2 - Aluminium window with aluminium frame, aluminium louvers and Reflective glass panel	nr	3.00			
8.2.02	1850 x 750 W3 - Aluminium window with aluminium frame, aluminium louvers and Reflective glass panel	nr	1.00			
8.2.03	1200 x 750 V1 - Aluminium window with aluminium frame and aluminium louvers	nr	6.00			
8.2.04	625 x 750 V1A - Aluminium window with aluminium frame and aluminium louvers	nr	1.00			
	<b><u>FIRST FLOOR</u></b>					
8.2.05	1850 x 2050 W1 - Aluminium window with aluminium frame, aluminium louvers and Reflective glass panel	nr	12.00			
8.2.06	1200 x 750 W2 - Aluminium window with aluminium frame, aluminium louvers and Reflective glass panel	nr	5.00			
8.2.07	1800 x 750 W4 - Aluminium window with aluminium frame, aluminium louvers and Clear glass panel	nr	1.00			
8.2.08	1200 x 750 V1 - Aluminium window with aluminium frame and aluminium louvers	nr	1.00			
	<b><u>ROOF LEVEL</u></b>					
8.2.09	1850 x 550 V2 - Aluminium window with aluminium frame and aluminium louvers	nr	19.00			
<b>8.3.00</b>	<b>TOTAL OF BILL №: 08 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
9.0.00	<b>Bill №: 09 - DOORS, SHUTTERS &amp; HATCHES</b>					
9.1.00	<b>GENERAL</b> (a) Rates shall include for locks, latches, closers, push plates, pull handles, bolts, (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.					
9.2.00	<b>DOORS</b>					
	<b>GROUND FLOOR</b>					
9.2.01	2350 x 2500 D1 - Aluminium panel door on Aluminium frame with 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	700 x 2100 D5 - Aluminium panel door on Aluminium frame and aluminium louvers (Single swing)	nr	4.00			
9.2.06	900 x 2300 D6 - Aluminium panel door on Aluminium frame (Single swing)	nr	3.00			
9.2.07	1000 x 2300 D7 - Aluminium panel door on Aluminium frame and aluminium louvers (Single swing)	nr	3.00			
9.2.08	2566 x 725 D8 - Aluminium panel door on Aluminium frame and aluminium louvers (Single swing)	nr	5.00			
	<b>FIRST FLOOR</b>					
9.2.09	1800 x 2500 D2 - Aluminium panel door on Aluminium frame (Double swing)	nr	2.00			
9.2.10	1000 x 2300 D3 - Aluminium panel door on Aluminium frame (Single swing)	nr	2.00			
9.3.00	<b>TOTAL OF BILL №: 09 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
<b>10.0.00</b>	<b>Bill №: 10 - FLOOR, WALL, CEILING, AND ROOF FINISHINGS</b>					
<b>10.1.00</b>	<b><u>GENERAL</u></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 550" or equivalent should be applied on top of screeds and walls upto 600mm in all toilets.					
<b>10.2.00</b>	<b><u>PLASTERING</u></b>					
	20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Sika product or equivalent.					
10.2.01	GROUND FLOOR	m <sup>2</sup>	5.00			
10.2.02	FIRST FLOOR	m <sup>2</sup>	10.00			
	16 mm thk cement plaster on internal surface as specified on the drawing.					
10.2.03	GROUND FLOOR	m <sup>2</sup>	65.00			
10.2.04	FIRST FLOOR	m <sup>2</sup>	95.00			
<b>10.3.00</b>	<b><u>CEMENT SCREED</u></b>					
	25 mm thk cement screed					
10.3.01	GROUND FLOOR	m <sup>2</sup>	23.76			
10.3.02	FIRST FLOOR	m <sup>2</sup>	190.18			
	35 mm thk cement screed with 2.5mm self levelling cement screed					
10.3.03	GROUND FLOOR	m <sup>2</sup>	506.09			
	50 mm thk cement screed					
10.3.04	GROUND FLOOR	m <sup>2</sup>	283.49			
	FIRST FLOOR	m <sup>2</sup>	106.45			
<b>10.4.00</b>	<b><u>FLOOR TILING</u></b>					
	<b>600 x 600 mm Homogenous Non-slip tiles</b>					
10.4.01	GROUND FLOOR	m <sup>2</sup>	283.49			
10.4.02	FIRST FLOOR	m <sup>2</sup>	41.60			
	<b>300 x 300 mm Homogenous Non-slip tiles</b>					
10.4.03	GROUND FLOOR	m <sup>2</sup>	23.76			
10.4.04	FIRST FLOOR	m <sup>2</sup>	190.18			
<b>10.5.00</b>	<b><u>WALL TILING</u></b>					
	<b>600 x 300 mm Homogenous tiles</b>					
10.5.01	GROUND FLOOR	m <sup>2</sup>	75.00			
<b>10.6.00</b>	<b><u>STEP TILING</u></b>					
	<b>1200 x 300 mm Homogenous tiles</b>					
10.6.01	GROUND FLOOR	m <sup>2</sup>	20.00			
<b>10.7.00</b>	<b><u>FLOOR PAINTING</u></b>					
	<b>Epoxy floor paint</b>					
10.7.01	GROUND FLOOR	m <sup>2</sup>	506.10			
	<b>Elastometric paint</b>					
10.7.02	Drawing badminton court in elastometric paint as per detailed drawing	item	1.00			
<b>10.8.00</b>	<b><u>CARPET FLOORING</u></b>					
10.8.01	Carpet flooring on stage area	m <sup>2</sup>	134.58			
<b>10.9.00</b>	<b><u>ROOF SLAB</u></b>					
10.9.01	Self leveling cement floor screed with bituminuous waterproofing agent	m <sup>2</sup>	52.63			
<b>10.10.00</b>	<b><u>EXPANSION JOINT</u></b>					
10.10.01	Expansion joint on Hall area screed with backer rod and PU sealant.	m	95.10			
<b>10.11.00</b>	<b>TOTAL OF BILL №: 10 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
<b>Bill №: 11 - SUSPENDED CEILING</b>						
11.1.00	<b><u>GENERAL</u></b> (a) Rates shall include for: all labour in framing, notching and fitting around					
11.2.00	<b><u>PLASTERBOARD CEILING</u></b>					
11.2.01	12mm Gypsum board ceiling FIRST FLOOR	m <sup>2</sup>	506.10			
11.2.02	6mm Cement board ceiling GROUND FLOOR	m <sup>2</sup>	67.16			
11.2.03	FIRST FLOOR	m <sup>2</sup>	211.82			
11.3.00	<b>TOTAL OF BILL №: 11 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
<b>12.0.00</b>	<b>Bill №: 12 - PAINTING &amp; DECORATIONS</b>					
<b>12.1.00</b>	<b>GENERAL</b> (a) Rates shall include for: the provision, erection and removal of scaffolding, (b) All painting work shall be carried in accordance with the Specifications.					
<b>12.2.00</b>	<b>WALL PAINTING</b>					
12.2.01	Weatherbound paint finish as specified (EXTERNAL SURFACES) GROUND FLOOR	m <sup>2</sup>	436.21			
12.2.02	FIRST FLOOR	m <sup>2</sup>	470.41			
12.2.03	Emulsion paint finish including putty application on brick walls as specified GROUND FLOOR	m <sup>2</sup>	871.13			
12.2.04	FIRST FLOOR	m <sup>2</sup>	524.87			
<b>12.3.00</b>	<b>CEILING PAINTING</b>					
12.3.01	Emulsion paint finish including putty application as per detailed drawing GROUND FLOOR	m <sup>2</sup>	311.09			
12.3.02	FIRST FLOOR	m <sup>2</sup>	829.41			
<b>12.4.00</b>	<b>TOTAL OF BILL №: 12 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
13.0.00	<b>Bill №: 13 - STAIRS, WALKWAYS AND BALUSTRADES</b>					
13.1.00	<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.					
13.2.00	<b><u>RAMP RAILING</u></b>					
13.2.01	50mm dia SS hollow pipe handrail at 900mm height as per drawing Ramp railing (Entrance area)	m	13.54			
13.2.02	25mm dia GI powder coated handrail at 200mm height as per drawing Ramp railing(Stage area)	m	13.60			
13.3.00	<b><u>STAIRCASE RAILING</u></b>					
13.3.01	25 & 50mm dia GI powder coated railings as per detaled drawing GROUND to FIRST FLOOR	m	6.72			
13.4.00	<b><u>STAGE RAMP RAILING</u></b>					
13.4.01	25mm dia GI powder coated 200mm high railings as per detaled drawing GROUND FLOOR	m	12.00			
13.5.00	<b>TOTAL OF BILL №: 13 - Carried Over To Summary</b>					



ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
14.0.00	<b>Bill №: 14 - MECHANICAL &amp; ELECTRICAL SERVICES</b>					
14.1.00	<p><b>GENERAL</b></p> <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 BOO.</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) c. technical data</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>a. make</li> <li>b. model No.</li> <li>c. technical data</li> <li>d. country of manufacture</li> <li>e. delivery period</li> <li>f. lead time for manufacturing.</li> <li>g. port of shipping</li> <li>h. CIF value of each item in foreign currency.</li> <li>j. Optional items and their additional cost. (additional cost to be submitted separately)</li> <li>k. 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>l. Details of all special features</li> <li>m. 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>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
	(r) All materials, equipment wiring shall confirm to local codes, specifications, standards/latest I.E.E. regulations ( BS 7671 ).					
<b>14.2.00</b>	<b><u>MAIN DISTRIBUTION, SUB DISTRIBUTION AND DISTRIBUTION SYSTEM</u></b>					
	<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 encloser with neutral link, earth bar and required accessories, all complete as per the specifications & drawings.					
14.2.01	Main Panel Board	nr	1.00			
14.2.02	Distribution Boards	nr	3.00			
14.2.03	Internet switch board	nr	1.00			
	<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/ 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					
	<u>CABLING UP TO MDB</u> Feeder cable (From main electrical source to main panel board)	item	1.00			
14.2.04						
14.2.05	Cabling from main panel board to DB	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 1.5mm <sup>2</sup> PVC/PVC/Cu + 2.5mm <sup>2</sup> PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring	nr	268.00			
14.4.02	Supply and Installation of 2 x 1C 2.5mm <sup>2</sup> PVC/PVC/Cu + 2.5mm <sup>2</sup> PVC/Cu earth cable c/w uPVC conduit, junction boxes,ethernet cables, RJ45 Connectors, VGA cables etc. for the Socket outlets point wiring	nr	48.00			
<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>14.6.00</b>	<b><u>LIGHTS AND SWITCHES</u></b>					
14.6.01	Ceiling down light (18W) LED	nr	20.00			
14.6.02	Mirror light (7W) LED	nr	2.00			
14.6.03	4x55W PLL Lamps (Wire guard,Polycarbonate diffuser,Emergency and	nr	45.00			
14.6.04	Outdoor wall light 40W (IP65)	nr	35.00			

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
14.6.05	Ceiling fan (52" - 54")	nr	48.00			
14.6.06	Ceiling fan switches	nr	48.00			
14.6.07	Light switch (1 G)	nr	19.00			
14.6.08	Light switch (2 G)	nr	10.00			
14.6.09	Light switch (3 G)	nr	2.00			
14.6.10	Light switch (4 G)	nr	4.00			
14.6.11	Light switch (5 G)	nr	8.00			
14.6.12	Emergency Lights	nr	9.00			
14.6.13	Exit lights	nr	18.00			
<b>14.7.00</b>	<b><u>SOCKETS &amp; OTHER ELECTRICAL APPLIANCES</u></b>					
14.7.01	13 A twin sockets	nr	39.00			
14.7.02	Computer network outlet	nr	1.00			
14.7.03	Public address system with mic and volume controller	nr	1.00			
14.7.04	Telephone Outlet	nr	1.00			
14.7.05	Wall speakers at ceiling level	nr	8.00			
14.7.06	Ceiling mount exhaust fan	nr	3.00			
14.7.07	15A Sockets	nr	5.00			
<b>14.8.00</b>	<b><u>AIR CONDITIONING SYSTEM</u></b>					
	Rate shall include for supplying and installation of AC system and laying all necessary pipes.					
14.8.01	9000 BTU Single split AC	nr	3.00			
<b>14.8.00</b>	<b>TOTAL OF BILL №: 14 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
<b>15.0.00</b>	<b>Bill №: 15 - PLUMBING</b>					
<b>15.1.00</b>	<b><u>GENERAL</u></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.					
<b>15.2.00</b>	<b><u>WATER SUPPLY</u></b>					
	Provide and fix UPVC high pressure pipes including piping, connections,					
	<b><u>INTERNAL PLUMBING - FRESH WATER SUPPLY PIPE</u></b>					
15.2.01	Note: Internal plumbing to all toilets including supply and laying of pipes.	item	1.00			
	<b><u>EXTERNAL PLUMBING</u></b>					
15.2.02	All pipe works under groundfloor screed/slab to be laid for Waste water, sewage, fresh water and well water connection.	item	1.00			
15.2.03	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			
15.2.04	Water connection to all toilets. Rate shall include for supply and laying of pipes.	item	1.00			
<b>15.3.00</b>	<b><u>DISCHARGE WORK</u></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 main sewer line and leak testing.	item	1.00			
<b>15.4.00</b>	<b><u>FIXTURES</u></b>					
	Complete installation, cleaning and testing of:					
15.4.01	Wash basin	nr	2.00			
15.4.02	Wash basin tap	nr	2.00			
15.4.03	Muslim shower with stop valve	nr	4.00			
15.4.04	Soap holder	nr	4.00			
15.4.05	Floor Drain	nr	5.00			
15.4.06	Floor Gully	nr	5.00			
15.4.07	Water Closet	nr	4.00			
15.4.08	510 x 1110 Face Mirror	nr	2.00			
15.4.09	750 x 600 Counter top with tile finish	nr	2.00			
	<b><u>DISABLED TOILET</u></b>					
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	SS Grab Railings as per detailed drawings	set	1.00			
<b>15.5.00</b>	<b>TOTAL OF BILL №: 15 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
<b>16.0.00</b>	<b>Bill №: 16 - INSULATION, FIRE STOPPING &amp; FIRE PROTECTION</b>					
<b>16.1.00</b>	<b><u>GENERAL</u></b>					
	(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 cable conduits, fittings, equipment and similar items shall include for: all fixings to various building surfaces					
	(c) Rates shall include for all necessary electrical wiring and accessories required for completion					
	(d) All items shall be supply and complete installation					
<b>16.2.00</b>	<b><u>FIRE ALARM SYSTEM</u></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	6.00			
16.2.04	Supply and installation of sounder/bell	nr	4.00			
16.2.05	Supply and installation of beacons	nr	4.00			
<b>16.3.00</b>	<b><u>FIRE EXTINGUISHERS (Confirming to BS EN 3-10)</u></b>					
16.3.01	Supply and installation of 2Kg CO2 Extinguishers	nr	6.00			
16.3.02	Supply and installation of 9 Lt. water Extinguishers.	nr	6.00			
<b>16.4.00</b>	<b>TOTAL OF BILL №: 16 - Carried Over To Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	AMOUNT
<b>17.0.00</b>	<b>Bill №: 17- ADDITIONS AND OMMISIONS</b>					
<b>17.1.00</b>	<b><u>ADDITIONS</u></b>					
17.1.01	Bill №: 01 - PRELIMINARIES					
17.1.02	Bill №: 02 - GROUND WORKS					
17.1.03	Bill №: 03 - INSITU CONCRETE WORKS					
17.1.04	Bill №: 04 - STRUCTURAL METAL WORKS					
17.1.05	Bill №: 05 - MASONRY					
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>TOTAL</b>					
<b>17.2.00</b>	<b><u>OMISSIONS</u></b>					
17.2.01	Bill №: 01 - PRELIMINARIES					
17.2.02	Bill №: 02 - GROUND WORKS					
17.2.03	Bill №: 03 - INSITU CONCRETE WORKS					
17.2.04	Bill №: 04 - STRUCTURAL METAL WORKS					
17.2.05	Bill №: 05 - MASONRY					
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>TOTAL</b>					
<b>17.3.00</b>	<b>TOTAL OF BILL №: 17 - Carried Over To Summary</b>					