

BILL OF QUANTITIES
BELENIVERINGE HIYAA LH.OLHUVELI FUSHI

CLIENT : OLHUVELI FUSHI COUNCIL

SUMMARY OF BILLS OF QUANTITIES
BELENIVERINGE HIYAA LH.OLHUVELI FUSHI

| DESCRIPTION | Material Cost | Labour Cost | AMOUNT |
|---|---------------|-------------|--------|
| Bill №: 01 - PRELIMINARIES | - | - | - |
| Bill №: 02 - EXCAVATION AND FILLING | - | - | - |
| Bill №: 03 - INSITU CONCRETE WORKS | - | - | - |
| Bill №: 04 - ROOFING WORKS | - | - | - |
| Bill №: 05 - DOORS & WINDOWS | - | - | - |
| Bill №: 06 - MASONRY | - | - | - |
| Bill №: 07 - FLOOR, WALL FINISHINGS | - | - | - |
| Bill №: 08 - SUSPENDED CEILING | - | - | - |
| Bill №: 09 - PAINTING & DECORATIONS | - | - | - |
| Bill №: 10 - STAIRS, WALKWAYS AND BALUSTRADES | - | - | - |
| Bill №: 11 - MECHANICAL & ELECTRICAL SERVICES | - | - | - |
| Bill №: 12 - PLUMBING | - | - | - |
| TOTAL AMOUNT | - | - | - |
| GST 8% | | | - |
| TOTAL AMOUNT including GST | | | - |

BELENIVERINGE HIYAA LH.OLHUVELI FUSHI
 Republic of Maldives

BILL OF QUANTITIES

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|--------|---|------|------|---------------|-------------|-----------------|---------------|--------|
| 1.0.00 | Bill No: 01 - PRELIMINARIES | | | | | | | |
| 1.1.00 | GENERAL NOTES <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 | | | | | | | |
| 1.2.00 | SITE MANAGEMENT COSTS 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 | SIGN BOARD Allow for sign board. | nr | 1.00 | | | - | - | - |
| 1.4.00 | CLEAN-UP Allow for clean-up upon completion of works. | item | 1.00 | | | - | - | - |
| 1.5.00 | TOTAL OF BILL No: 01 - Carried Over To Summary | | | | | - | - | - |
| 2.0.00 | Bill No: 02 - EXCAVATION AND FILLING | | | | | | | |
| 2.1.00 | GENERAL (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 | SITE CLEARING | | | | | | | |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|---------------|--|----------------|--------|---------------|-------------|-----------------|---------------|--------|
| 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 ² | 254.86 | | | - | - | - |
| 2.3.00 | <u>EXCAVATION</u> | | | | | | | |
| | 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. | | | | | | | |
| 2.3.01 | Excavation | m ³ | 125.00 | | | - | - | - |
| 2.4.00 | <u>FILLING</u> | | | | | | | |
| | Rate shall include for: levelling, grading, trimming, compacting and similar | | | | | | | |
| 2.4.01 | Compacted earth filling under ground slab | m ² | 117.00 | | | - | - | - |
| 2.5.00 | <u>DAMP-PROOF MEMBRANE</u> | | | | | | | |
| | Rate shall include for: dressing around and sealing to all penetrations,laps and turnups. | | | | | | | |
| 2.5.01 | Polythene damp proof membrane (500 gauge) | m ² | 243.00 | | | - | - | - |
| 2.6.00 | <u>DE-WATERING</u> | | | | | | | |
| 2.7.01 | De-watering the excavation until completion of concrete work as required | item | 1.00 | | | - | - | - |
| 2.8.00 | TOTAL OF BILL No: 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 M25 and lean concrete shall be GRADE M15 | | | | | | | |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|---------------|---|----------------|-------|---------------|-------------|-----------------|---------------|--------|
| | (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) | | | | | | | |
| 3.2.00 | <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 (Foundation beam) | m ³ | 4.00 | | | - | - | - |
| 3.3.00 | <u>REINFORCED INSITU CONCRETE</u> | | | | | | | |
| | FOUNDATION & FOUNDATION BEAMS | | | | | | | |
| 3.3.01 | 1300 x 1300 Foundation F1 | m ³ | 4.06 | | | - | - | - |
| 3.3.02 | 900 x 900 Foundation F2 | m ³ | 1.94 | | | - | - | - |
| 3.3.02 | 1200 x 900 Foundation F3 | m ³ | 2.59 | | | - | - | - |
| 3.3.02 | 800 x 800 Foundation F4 | m ³ | 0.38 | | | - | - | - |
| 3.3.08 | 400 x 200 mm Tie Beam TB | m ³ | 11.91 | | | - | - | - |
| 3.3.08 | 200 x 250 mm Foundation Beam FB | m ³ | 0.66 | | | - | - | - |
| | Stair Starter | | | | | | | |
| 3.3.09 | 900 x 170 mm Stair starter | m ³ | 0.25 | | | - | - | - |
| | PEDASTAL COLUMNS | | | | | | | |
| 3.3.10 | 250 x 225 mm Concrete columns C1 | m ³ | 0.41 | | | - | - | - |

| ITEM | DESCRIPTION | | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|--|------------------------------|----------------|--------|---------------|-------------|-----------------|---------------|--------|
| 3.3.10 | 225 | x 200 mm Concrete columns C2 | m ³ | 0.90 | | | - | - | - |
| | | Cement | Bag | 218.00 | | | - | - | - |
| | | Coarse Sand | Bag | 436.00 | | | - | - | - |
| | | Aggregate | Bag | 654.00 | | | - | - | - |
| | | Admixture | Ltr | 21.80 | | | - | - | - |
| 3.8.00 | FORM WORK | | | | | | | | |
| | FOUNDATION & FOUNDATION BEAMS | | | | | | | | |
| 3.8.01 | 1300 | x 1300 Foundation F1 | m ² | 12.48 | | | - | - | - |
| 3.8.02 | 900 | x 900 Foundation F2 | m ² | 8.64 | | | - | - | - |
| 3.8.02 | 1200 | x 900 Foundation F3 | m ² | 10.08 | | | - | - | - |
| 3.8.02 | 800 | x 800 Foundation F4 | m ² | 1.92 | | | - | - | - |
| 3.8.07 | 400 | x 200 mm Tie Beam TB | m ² | 119.06 | | | - | - | - |
| 3.8.07 | 200 | x 250 mm Foundation Beam FB | m ² | 5.24 | | | - | - | - |
| | Stair Starter | | | | | | | | |
| 3.8.08 | 900 | x 170 mm Stair starter | m ² | 3.53 | | | - | - | - |
| | PEDASTAL COLUMNS | | | | | | | | |
| 3.8.09 | 250 | x 225 mm Concrete columns C1 | m ² | 6.98 | | | - | - | - |
| 3.8.09 | 225 | x 200 mm Concrete columns C2 | m ² | 16.96 | | | - | - | - |
| | | Plywood 12mm flim faced | Nos | 60.00 | | | - | - | - |
| | | Timber 35x50mm | m ³ | 2.30 | | | - | - | - |
| | | Timber 50x50mm | m ³ | 0.96 | | | - | - | - |
| | | Timber Nail 1 1/2" | Kg | 20.00 | | | - | - | - |
| | | Timber Nail 2" | Kg | 10.00 | | | - | - | - |
| | | 3" Wooden Screw | Nos | 621.93 | | | - | - | - |
| | | 4" Wooden Screw | Nos | 320.00 | | | - | - | - |
| 3.13.00 | STEEL WORK | | | | | | | | |
| | FOUNDATION & FOUNDATION BEAMS | | | | | | | | |
| 3.13.01 | 6 | mm Steel bar in foundation | nr | 237.00 | | | - | - | - |
| 3.13.01 | 10 | mm Steel bar in foundation | nr | 142.00 | | | - | - | - |
| 3.13.01 | 12 | mm Steel bar in foundation | nr | 71.00 | | | - | - | - |
| 3.13.01 | 16 | mm Steel bar in foundation | nr | 61.00 | | | - | - | - |
| | Stair Starter | | | | | | | | |
| 3.13.05 | 10 | mm in stair starter | nr | 15.00 | | | - | - | - |
| | pedastal Column | | | | | | | | |
| 3.13.06 | 6 | mm in pedastal column | nr | 31.00 | | | - | - | - |
| 3.13.07 | 16 | mm in pedastal column | nr | 78.00 | | | - | - | - |
| | | Binding Wire | Kg | 36.83 | | | - | - | - |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|---------------|----------------------------------|----------------|----------|---------------|-------------|-----------------|---------------|--------|
| 3.4.00 | <u>GROUND FLOOR</u> | | | | | | | |
| | COLUMNS | | | | | | | |
| 3.4.01 | 250 x 225 mm Concrete columns C1 | m ³ | 1.02 | | | - | - | - |
| 3.4.01 | 225 x 200 mm Concrete columns C2 | m ³ | 2.22 | | | - | - | - |
| | Floor Slab | | | | | | | |
| 3.4.04 | 100 mm slab | m ³ | 16.56 | | | - | - | - |
| | Stair case | | | | | | | |
| 3.3.05 | Staircase | m ³ | 1.60 | | | - | - | - |
| | Beam | | | | | | | |
| 3.4.06 | 500 x 200 mm Beam B1 | m ³ | 1.12 | | | - | - | - |
| 3.4.07 | 450 x 200 mm Beam B2 | m ³ | 3.68 | | | - | - | - |
| 3.4.07 | 450 x 200 mm Beam B3 | m ³ | 9.20 | | | - | - | - |
| 3.4.07 | 400 x 150 mm Beam B4 | m ³ | 0.11 | | | - | - | - |
| | Roof Slab | | | | | | | |
| 3.4.11 | 135 mm slab | m ³ | 25.56 | | | - | - | - |
| | Cement | Bag | 489.00 | | | - | - | - |
| | Coarse Sand | Bag | 978.00 | | | - | - | - |
| | Aggregate | Bag | 1,467.00 | | | - | - | - |
| | Admixture | Ltr | 48.90 | | | - | - | - |
| 3.9.00 | <u>FORM WORK</u> | | | | | | | |
| | COLUMNS | | | | | | | |
| 3.9.01 | 250 x 225 mm Concrete columns C1 | m ² | 17.29 | | | - | - | - |
| 3.9.01 | 225 x 200 mm Concrete columns C2 | m ² | 41.99 | | | - | - | - |
| | Floor Slab | | | | | | | |
| 3.9.04 | 100 mm slab | m ² | 17.00 | | | - | - | - |
| | Stair case | | | | | | | |
| 3.9.05 | Staircase | m ² | 15.00 | | | - | - | - |
| | Beam | | | | | | | |
| 3.9.06 | 500 x 200 mm Beam B1 | m ² | 10.12 | | | - | - | - |
| 3.9.07 | 450 x 200 mm Beam B2 | m ² | 34.73 | | | - | - | - |
| 3.9.07 | 450 x 200 mm Beam B3 | m ² | 86.91 | | | - | - | - |
| 3.9.07 | 400 x 150 mm Beam B4 | m ² | 1.28 | | | - | - | - |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|----------------------------------|----------------|----------|---------------|-------------|-----------------|---------------|--------|
| | Roof Slab | | | | | | | |
| 3.9.09 | 135 mm slab | m ² | 189.30 | | | - | - | - |
| | Plywood 12mm flim faced | Nos | 133.00 | | | - | - | - |
| | Timber 35x50mm | m ³ | 2.79 | | | - | - | - |
| | Timber 50x50mm | m ³ | 1.84 | | | - | - | - |
| | Timber 100x50mm | m ³ | 1.79 | | | - | - | - |
| | Timber Nail 1 1/2" | Kg | 94.61 | | | - | - | - |
| | Timber Nail 2" | Kg | 20.78 | | | - | - | - |
| | 3" Wooden Screw | Nos | 1,539.01 | | | - | - | - |
| | 4" Wooden Screw | Nos | 800.00 | | | - | - | - |
| | 10mm Tread Rod 1800mm | Nos | 88.72 | | | - | - | - |
| | 10mm nut | Nos | 598.74 | | | - | - | - |
| | 10mm washer | Nos | 598.74 | | | - | - | - |
| | Jack Rental | Nos | 905.56 | | | - | - | - |
| 3.14.00 | <u>STEEL WORK</u> | | | | | | | |
| | Column | | | | | | | |
| 3.14.01 | 6 mm in column | nr | 63.00 | | | - | - | - |
| 3.14.03 | 16 mm in column | nr | 78.00 | | | - | - | - |
| | Floor Slab | | | | | | | |
| 3.14.03 | 6 mm in Floor slab | nr | 344.00 | | | - | - | - |
| | Stair case | | | | | | | |
| 3.14.04 | 10 mm in staircase | nr | 30.00 | | | - | - | - |
| | Beam | | | | | | | |
| 3.14.05 | 6 mm in beam | nr | 226.00 | | | - | - | - |
| 3.14.05 | 12 mm in beam | nr | 80.00 | | | - | - | - |
| 3.14.05 | 16 mm in beam | nr | 179.00 | | | - | - | - |
| | Roof Slab | | | | | | | |
| 3.14.08 | 10 mm in Roof slab | nr | 1,077.00 | | | - | - | - |
| 3.14.09 | 12 mm in Roof slab | nr | 15.00 | | | - | - | - |
| | Binding Wire | Kg | 121.34 | | | - | - | - |
| 3.4.00 | <u>FIRST FLOOR</u> | | | | | | | |
| | COLUMNS | | | | | | | |
| 3.4.01 | 250 x 225 mm Concrete columns C1 | m ³ | 1.02 | | | - | - | - |
| 3.4.01 | 225 x 200 mm Concrete columns C2 | m ³ | 2.22 | | | - | - | - |
| | Beam | | | | | | | |

| ITEM | DESCRIPTION | | | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|--|----|----------------------------|----------------|--------|---------------|-------------|-----------------|---------------|--------|
| 3.4.06 | 450 | x | 200 mm Beam B2 | m ³ | 1.01 | | | - | - | - |
| 3.4.06 | 450 | x | 200 mm Beam B3 | m ³ | 12.82 | | | - | - | - |
| 3.4.06 | 400 | x | 150 mm Beam B4 | m ³ | 0.11 | | | - | - | - |
| | | | Cement | Bag | 137.00 | | | - | - | - |
| | | | Coarse Sand | Bag | 274.00 | | | - | - | - |
| | | | Aggregate | Bag | 411.00 | | | - | - | - |
| | | | Admixture | Ltr | 13.70 | | | - | - | - |
| 3.9.00 | FORM WORK | | | | | | | | | |
| | COLUMNS | | | | | | | | | |
| 3.9.01 | 250 | x | 225 mm Concrete columns C1 | m ² | 17.29 | | | - | - | - |
| 3.9.01 | 225 | x | 200 mm Concrete columns C2 | m ² | 41.99 | | | - | - | - |
| | Beam | | | | | | | | | |
| 3.9.06 | 450 | x | 200 mm Beam B2 | m ² | 9.51 | | | - | - | - |
| 3.9.06 | 450 | x | 200 mm Beam B3 | m ² | 121.05 | | | - | - | - |
| 3.9.06 | 400 | x | 150 mm Beam B4 | m ² | 1.28 | | | - | - | - |
| | | | Plywood 12mm flim faced | Nos | 15.00 | | | - | - | - |
| | | | Timber 35x50mm | m ³ | 1.00 | | | - | - | - |
| | | | Timber 50x50mm | m ³ | 1.00 | | | - | - | - |
| | | | Timber Nail 1 1/2" | Kg | 15.00 | | | - | - | - |
| | | | Timber Nail 2" | Kg | 5.00 | | | - | - | - |
| | | | 3"Wooden Screw | Nos | 500.00 | | | - | - | - |
| | | | 4" Wooden Screw | Nos | 500.00 | | | - | - | - |
| | | | Jack Rental | Nos | 291.06 | | | - | - | - |
| 3.14.00 | STEEL WORK | | | | | | | | | |
| | Column | | | | | | | | | |
| 3.14.01 | 6 | mm | in column | nr | 63.00 | | | - | - | - |
| 3.14.03 | 16 | mm | in column | nr | 78.00 | | | - | - | - |
| | Beam | | | | | | | | | |
| 3.14.05 | 6 | mm | in beam | nr | 207.00 | | | - | - | - |
| 3.14.05 | 12 | mm | in beam | nr | 110.00 | | | - | - | - |
| 3.14.05 | 16 | mm | in beam | nr | 136.00 | | | - | - | - |
| | | | Binding Wire | Kg | 34.45 | | | - | - | - |
| 3.7.00 | OTHER WORKS | | | | | | | | | |
| | Lintel, Sill beams & Mid band | | | | | | | | | |
| 3.7.01 | 100 | x | 100 mm Ground Floor | m3 | 1.09 | | | - | - | - |
| 3.7.02 | 100 | x | 100 mm First Floor | m3 | 1.60 | | | - | - | - |

| ITEM | DESCRIPTION | | | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|--|----|--|----------------|--------|---------------|-------------|-----------------|---------------|--------|
| | | | Cement | Bag | 23.00 | | | - | - | - |
| | | | Coarse Sand | Bag | 46.00 | | | - | - | - |
| | | | Aggregate | Bag | 69.00 | | | - | - | - |
| | | | Admixture | Ltr | 2.30 | | | - | - | - |
| | | | FORM WORK | | | | | | | |
| 3.12.01 | 100 | x | 100 mm Ground Floor | m ² | 32.73 | | | - | - | - |
| 3.12.02 | 100 | x | 100 mm First Floor | m ² | 48.07 | | | - | - | - |
| | | | Plywood 12mm flim faced | Nos | 5.00 | | | - | - | - |
| | | | Timber 35x50mm | m3 | 0.25 | | | - | - | - |
| | | | Timber Nail 1 1/2" | Kg | 5.00 | | | - | - | - |
| | | | Concrete Nail 1 1/2" | Kg | 5.00 | | | - | - | - |
| | | | STEEL WORK | | | | | | | |
| 3.17.01 | 10 | mm | Lintel, Sill beams & Mid band Ground Floor | nr | 38.00 | | | - | - | - |
| 3.17.02 | 10 | mm | Lintel, Sill beams & Mid band First Floor | nr | 55.00 | | | - | - | - |
| | | | Binding Wire | Kg | 6.73 | | | - | - | - |
| | | | 1200 mm dia ground well | nr | 1.00 | | | - | - | - |
| 3.9.00 | TOTAL OF BILL №: 03 - Carried Over To Summary | | | | | | | - | - | - |
| 04.0.00 | Bill №: 04 - ROOFING WORKS | | | | | | | | | |
| 04.1.00 | GENERAL | | | | | | | | | |
| | | | (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. | | | | | | | |
| 04.1.02 | ROOFING TIMBER WORKS | | | | | | | | | |
| | 50 | x | 150 mm Timber Rafters | m | 302.28 | | | - | - | - |
| | 50 | x | 50 mm Timber Battens | m | 483.64 | | | - | - | - |
| 04.2.00 | GENERAL | | | | | | | | | |
| | | | (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. | | | | | | | |
| | | | Lysaght roofing sheet 29" Width | m | 403.03 | | | - | - | - |
| | | | Wool insulation 50mmx0.9m x15m | roll | 17.00 | | | - | - | - |
| | | | PVC black net | roll | 8.00 | | | - | - | - |
| | | | Fascia Gutter 8' | Nos | 14.00 | | | - | - | - |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|--|------|----------|---------------|-------------|-----------------|---------------|--------|
| | GI gutter clip | Nos | 56.00 | | | - | - | - |
| | Gutter strap | Nos | 56.00 | | | - | - | - |
| | Fascia capping 8' | Nos | 21.00 | | | - | - | - |
| | Down spot 3" | Nos | 4.00 | | | - | - | - |
| | Roofing Screw 3" | Nos | 1,000.00 | | | - | - | - |
| | Fascia board Wood plank 4m x 200m x8mm | Nos | 20.00 | | | - | - | - |
| 04.3.00 | <u>DOWN PIPE</u> | | | | | | | |
| | 82 mm dia rain water pipe | item | 4.00 | | | - | - | - |
| | TOTAL OF BILL №: 04 - Carried Over To Summary | | | | | - | - | - |
| 5.0.00 | Bill №: 05 - DOORS & WINDOWS | | | | | | | |
| | <u>GENERAL</u> | | | | | | | |
| | (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. | | | | | | | |
| 5.1.00 | | | | | | | | |
| | <u>GROUND FLOOR</u> | | | | | | | |
| 5.1.05 | 1600 x 2200 D1-Timber Gate Door | nr | 1.00 | | | - | - | - |
| 5.1.12 | 850 x 2200 D2-Timber Door | nr | 2.00 | | | - | - | - |
| 5.2.00 | <u>FIRST FLOOR</u> | | | | | | | |
| 5.1.12 | 850 x 2200 D2-Timber Door | nr | 9.00 | | | - | - | - |
| 5.1.05 | 700 x 2000 D3-Fiber Door | nr | 4.00 | | | - | - | - |
| 5.1.12 | 550 x 550 V1-Aluminium Vent | nr | 1.00 | | | - | - | - |

| ITEM | DESCRIPTION | | | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|--|--|---|-----------------------------------|----------------|----------|---------------|-------------|-----------------|---------------|--------|
| 5.1.12 | 1613 | x | 2450 SD1-Aluminium Sliding Door | nr | 1.00 | | | - | - | - |
| 5.1.12 | 2400 | x | 2450 SD2-Aluminium Sliding Door | nr | 3.00 | | | - | - | - |
| 5.1.12 | 1650 | x | 1550 SW1-Aluminium Sliding Window | nr | 2.00 | | | - | - | - |
| 5.1.12 | 2400 | x | 1550 SW2-Aluminium Sliding Window | nr | 4.00 | | | - | - | - |
| TOTAL OF BILL №: 05 - Carried Over To Summary | | | | | | | | - | - | - |
| 6.0.00 | Bill №: 06 - MASONRY | | | | | | | | | |
| | <u>GENERAL</u> | | | | | | | | | |
| | (a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or 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. | | | | | | | | | |
| 6.1.00 | <u>BLOCK WORK</u> | | | | | | | | | |
| | 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) | | | | | | | | | |
| 6.1.03 | BELOW GROUND FLOOR | | | m ² | 62.97 | | | - | - | - |
| | 4" Solid Bricks | | | Nos | 1,448.20 | | | - | - | - |
| | Cement | | | Bag | 14.48 | | | - | - | - |
| | Coarse Sand | | | Bag | 72.41 | | | - | - | - |
| 6.1.04 | GROUND FLOOR | | | m ² | 178.66 | | | - | - | - |
| | 4" Solid Bricks | | | Nos | 4,109.08 | | | - | - | - |
| | Cement | | | Bag | 41.09 | | | - | - | - |
| | Coarse Sand | | | Bag | 205.45 | | | - | - | - |
| 6.1.06 | FIRST FLOOR | | | m ² | 248.49 | | | - | - | - |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|---------------|--|----------------|----------|---------------|-------------|-----------------|---------------|--------|
| 6.1.06 | 4" Solid Bricks | Nos | 5,715.19 | | | - | | - |
| | Cement | Bag | 57.15 | | | - | | - |
| | Coarse Sand | Bag | 285.76 | | | - | | - |
| | Cement block wall, bricks laid to form alternate courses of headers and stretchers, laid on and inc. mortar (INTERNAL WALLS). 100 mm thk full height (Full block) | | | | | | | |
| | BELOW GROUND FLOOR | m ² | 48.64 | | | - | - | - |
| 6.1.08 | 4" Solid Bricks | Nos | 1,118.72 | | | - | | - |
| | Cement | Bag | 11.19 | | | - | | - |
| | Coarse Sand | Bag | 55.94 | | | - | | - |
| | GROUND FLOOR | m ² | 156.21 | | | - | - | - |
| 6.1.09 | 4" Solid Bricks | Nos | 3,592.83 | | | - | | - |
| | Cement | Bag | 35.93 | | | - | | - |
| | Coarse Sand | Bag | 179.64 | | | - | | - |
| | FIRST FLOOR | m ² | 257.65 | | | - | - | - |
| | 4" Solid Bricks | Nos | 5,925.95 | | | - | | - |
| | Cement | Bag | 59.26 | | | - | | - |
| | Coarse Sand | Bag | 296.30 | | | - | | - |
| | TOTAL OF BILL No: 06 - Carried Over To Summary | | | | | - | - | - |
| 7.0.00 | Bill No: 07 - FLOOR, WALL FINISHINGS | | | | | | | |
| | <u>GENERAL</u> | | | | | | | |
| | (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. | | | | | | | |
| 7.1.00 | <u>PLASTERING</u> | | | | | | | |
| | 20 mm thk cement plaster on external surface as specified on the drawing. Waterproofed with Masterpel 777 or equivalent. | | | | | | | |
| 7.1.03 | BELOW GROUND FLOOR | m ² | 64.61 | | | - | - | - |
| | Cement | Bag | 10.77 | | | - | | - |
| | Coarse Sand | Bag | 43.07 | | | - | | - |
| | Fine Sand | Bag | 43.07 | | | - | | - |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|---------------|--|----------------|--------|---------------|-------------|-----------------|---------------|--------|
| 7.1.04 | GROUND FLOOR | m ² | 238.44 | | | - | - | - |
| | Cement | Bag | 39.74 | | | - | - | - |
| | Coarse Sand | Bag | 158.96 | | | - | - | - |
| | Fine Sand | Bag | 158.96 | | | - | - | - |
| 7.1.05 | FIRST FLOOR | m ² | 259.61 | | | - | - | - |
| | Cement | Bag | 43.27 | | | - | - | - |
| | Coarse Sand | Bag | 173.07 | | | - | - | - |
| | Fine Sand | Bag | 173.07 | | | - | - | - |
| 7.1.07 | 16 mm thk cement plaster on internal surface as specified on BELOW GROUND FLOOR | m ² | 97.28 | | | - | - | - |
| | Cement | Bag | 12.16 | | | - | - | - |
| | Fine Sand | Bag | 48.64 | | | - | - | - |
| 7.1.07 | GROUND FLOOR | m ² | 560.73 | | | - | - | - |
| | Cement | Bag | 70.09 | | | - | - | - |
| | Fine Sand | Bag | 280.36 | | | - | - | - |
| 7.1.09 | FIRST FLOOR | m ² | 748.95 | | | - | - | - |
| | Cement | Bag | 93.62 | | | - | - | - |
| | Fine Sand | Bag | 374.48 | | | - | - | - |
| 7.2.00 | <u>PAVEMENT & PARKING</u> | | | | | | | |
| 7.2.01 | GROUND FLOOR | m ² | 57.00 | | | - | - | - |
| 7.2.00 | <u>CEMENT SCREED</u> | | | | | | | |
| 7.2.01 | 50 mm thk cement screed GROUND FLOOR | m ² | 165.60 | | | - | - | - |
| | Cement | Bag | 55.20 | | | - | - | - |
| | Coarse Sand | Bag | 220.80 | | | - | - | - |
| 7.2.02 | FIRST FLOOR | m ² | 201.60 | | | - | - | - |
| | Cement | Bag | 67.20 | | | - | - | - |
| | Coarse Sand | Bag | 268.81 | | | - | - | - |
| 7.3.00 | <u>FLOOR TILING</u> | | | | | | | |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|---------------|--|----------------|--------|---------------|-------------|-----------------|---------------|--------|
| 7.3.01 | 600 x 600 mm Homogenous tiles GROUND FLOOR | m ² | 165.60 | | | - | - | - |
| | 600x600mm Floor tiles | Nos | 506.00 | | | - | - | - |
| | Tile adhesive 25kg | bag | 126.50 | | | - | - | - |
| 7.3.02 | FIRST FLOOR | m ² | 187.75 | | | - | - | - |
| | 600x600mm Floor tiles | Nos | 573.69 | | | - | - | - |
| | Tile adhesive 25kg | bag | 143.42 | | | - | - | - |
| 7.3.04 | 600 x 100 mm Homogenous skirting tiles GROUND FLOOR | m | 95.00 | | | - | - | - |
| | 600x600mm Floor tiles | Nos | 31.67 | | | - | - | - |
| | Tile adhesive 25kg | bag | 7.92 | | | - | - | - |
| 7.3.05 | FIRST FLOOR | m | 207.00 | | | - | - | - |
| | 600x600mm Floor tiles | Nos | 69.00 | | | - | - | - |
| | Tile adhesive 25kg | bag | 17.25 | | | - | - | - |
| 7.3.07 | 300 x 300 mm Homogenous tiles FIRST FLOOR | m ² | 13.85 | | | - | - | - |
| | 300x300mm Floor tiles | Nos | 169.28 | | | - | - | - |
| | Tile adhesive 25kg | bag | 14.11 | | | - | - | - |
| 7.4.00 | <u>WALL TILING</u> | | | | | - | - | - |
| 7.4.02 | FIRST FLOOR | m ² | 87.80 | | | - | - | - |
| | 600x300mm Wall tiles | Nos | 536.56 | | | - | - | - |
| | Tile adhesive 25kg | bag | 53.66 | | | - | - | - |
| 7.5.00 | <u>STAIRCASE TILING</u> | | | | | - | - | - |
| 7.5.01 | 900 x 300 mm Homogenous tiles with strips GROUND FLOOR - FIRST FLOOR | m ² | 17.00 | | | - | - | - |
| | 900x300mm Staircase tiles set | Nos | 17.00 | | | - | - | - |
| | Tile adhesive 25kg | bag | 9.00 | | | - | - | - |
| 7.7.00 | <u>GRANITE WORK</u> | | | | | - | - | - |
| 7.7.01 | GROUND FLOOR | m ² | 8.20 | | | - | - | - |
| | TOTAL OF BILL №: 07 - Carried Over To Summary | | | | | - | - | - |
| 8.0.00 | Bill №: 08 - SUSPENDED CEILING | | | | | | | |
| | <u>GENERAL</u> | | | | | | | |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|---------------|---|----------------|----------|---------------|-------------|-----------------|---------------|--------|
| | (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. | | | | | | | |
| 8.1.00 | <u>PLASTERBOARD CEILING</u> | | | | | | | |
| 8.1.02 | Fixed plasterboard ceiling system with timber framing TOILETS FIRST FLOOR TOILET | m ² | 13.85 | | | - | - | - |
| | 6mm cement Board | Nos | 4.81 | | | - | - | - |
| | 35 x 50 mm treated pine wood timber | m | 83.10 | | | - | - | - |
| | 3" black Screw | Nos | 103.88 | | | - | - | - |
| | 1 1/2" black screw | Nos | 114.96 | | | - | - | - |
| | 1" black screw | Nos | 114.96 | | | - | - | - |
| | 1 1/2" Wall plug | Nos | 103.88 | | | - | - | - |
| 8.1.01 | SECOND FLOOR ROOFING AREA | m ² | 227.97 | | | - | - | - |
| | 6mm gypsum Board | Nos | 79.16 | | | - | - | - |
| | 35 x 50 mm treated pine wood timber | m | 1,367.82 | | | - | - | - |
| | 3" black Screw | Nos | 1,709.78 | | | - | - | - |
| | 1 1/2" black screw | Nos | 1,892.15 | | | - | - | - |
| | 1" black screw | Nos | 1,892.15 | | | - | - | - |
| | 1 1/2" Wall plug | Nos | 1,709.78 | | | - | - | - |
| | TOTAL OF BILL №: 08 - Carried Over To Summary | | | | | - | - | - |
| 9.0.00 | <u>Bill №: 09 - PAINTING & DECORATIONS</u> | | | | | | | |
| | <u>GENERAL</u> | | | | | | | |
| | (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. | | | | | | | |
| | (b) All painting work shall be carried in accordance with the Specifications. | | | | | | | |
| 9.1.00 | <u>WALL PAINTING</u> | | | | | | | |
| 9.1.02 | Weatherbound paint finish as specified (EXTERNAL SURFACES) GROUND FLOOR | m ² | 238.44 | | | - | - | - |
| | Exterior Wall sealer | Ltr | 68.13 | | | - | - | - |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|--|----------------|--------|---------------|-------------|-----------------|---------------|--------|
| 9.1.03 | Enamel Paint | Ltr | 68.13 | | | - | | - |
| | FIRST FLOOR | m ² | 259.61 | | | - | - | - |
| | Exterior Wall sealer | Ltr | 74.17 | | | - | | - |
| | Enamel Paint | Ltr | 74.17 | | | - | | - |
| 9.1.05 | Emulsion paint finish including putty application on brick walls as specified (INTERNAL SURFACES) | | | | | | | |
| | GROUND FLOOR | m ² | 560.73 | | | - | - | - |
| | Interior Wall sealer | Ltr | 124.61 | | | - | | - |
| | Interior Putty | Kg | 560.73 | | | - | | - |
| | Emulsion Paint | Ltr | 124.61 | | | - | | - |
| 9.1.06 | FIRST FLOOR | m ² | 661.15 | | | - | - | - |
| | Interior Wall sealer | Ltr | 146.92 | | | - | | - |
| | Interior Putty | Kg | 661.15 | | | - | | - |
| | Emulsion Paint | Ltr | 146.92 | | | - | | - |
| 9.2.00 | <u>CEILING PAINTING</u> | | | | | | | |
| 9.2.01 | Selected paint finish including putty application on ceiling as specified (CEILING) | | | | | | | |
| | GROUND FLOOR | m ² | 165.60 | | | - | - | - |
| | Interior Wall sealer | Ltr | 36.80 | | | - | | - |
| | Interior Putty | Kg | 165.60 | | | - | | - |
| | Emulsion Paint | Ltr | 36.80 | | | - | | - |
| 9.2.02 | FIRST FLOOR | m ² | 241.82 | | | - | - | - |
| | Interior Wall sealer | Ltr | 53.74 | | | - | | - |
| | Interior Putty | Kg | 241.82 | | | - | | - |
| | Emulsion Paint | Ltr | 53.74 | | | - | | - |
| | TOTAL OF BILL №: 09 - Carried Over To Summary | | | | | - | - | - |
| 10.0.00 | Bill №: 10 - STAIRS, WALKWAYS AND BALUSTRADES | | | | | | | |
| | <u>GENERAL</u> | | | | | | | |
| | (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. | | | | | | | |
| 10.1.00 | <u>STAIRCASE RAILING</u> | | | | | | | |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|--|------|-------|---------------|-------------|-----------------|---------------|--------|
| 10.1.01 | 50 and 25mm dia GI handrail at 900mm height as per drawing GROUND - 1ST FLOOR | m | 5.00 | | | - | - | - |
| 10.1.00 | <u>PARAPET RAILING</u> | | | | | | | |
| 10.1.01 | 50 and 25mm dia GI handrail at 900mm height as per drawing 1ST FLOOR | m | 12.36 | | | - | - | - |
| | TOTAL OF BILL №: 10 - Carried Over To Summary | | | | | - | - | - |
| 11.0.00 | Bill №: 11 - MECHANICAL & ELECTRICAL SERVICES | | | | | | | |
| | <u>GENERAL</u> | | | | | | | |
| | <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</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> | | | | | | | |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|------|---|------|-----|---------------|-------------|-----------------|---------------|--------|
| | <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</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</p> <p>(o) The tenderer shall submit the following information on the items/equipments quoted for together with the tender.</p> <ul style="list-style-type: none"> a. make b. model No. 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 <p style="padding-left: 40px;">to be submitted separately)</p> <ul style="list-style-type: none"> k. Schedule of items to be carried out by others installation of generators/transformers/Electrical such as some builders work and electrical connection. l. Details of all special features m. schedule attached to specification. | | | | | | | |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|--|------|-------|---------------|-------------|-----------------|---------------|--------|
| | <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> | | | | | | | |
| 11.1.00 | <u>MAIN DISTRIBUTION, SUB DISTRIBUTION AND DISTRIBUTION SYSTEM</u> | | | | | | | |
| | <p><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</p> | | | | | | | |
| 11.1.01 | Distribution Boards | nr | 5.00 | | | - | - | - |
| 11.1.02 | 24 Mod Distribution Board | nr | 5.00 | | | - | - | - |
| 11.1.03 | 40A ELCB (2POLE) | nr | 5.00 | | | - | - | - |
| 11.1.04 | 40A MCB (2POLE) | nr | 5.00 | | | - | - | - |
| 11.1.05 | 16A MCB | nr | 11.00 | | | - | - | - |
| 11.1.06 | 10A MCB | nr | 91.00 | | | - | - | - |
| 11.1.07 | 6A MCB | nr | 30.40 | | | - | - | - |
| | <u>MAIN / SUB CABLING</u> | | | | | | | |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|---|------|--------|---------------|-------------|-----------------|---------------|--------|
| | <p>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.</p> <p>All above ground cables shall be laid on cable tray/ trunking /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> | | | | | | | |
| 11.2.00 | <u>GENERAL EARTHING</u> | | | | | | | |
| 11.2.01 | Allow for the total earthing system inclusive of the necessary cables from all the DBs | item | 5.00 | | | - | - | - |
| 11.3.00 | <u>POINT WIRING AND FITTINGS</u> | | | | | | | |
| | 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 | | | | | | | |
| 11.3.01 | Supply and Installation of 2 x 1C 1.5mm ² PVC/PVC/Cu + 2.5mm ² PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for lights and switches point wiring | nr | 207.00 | | | - | - | - |
| 11.3.02 | Supply and Installation of 2 x 1C 2.5mm ² PVC/PVC/Cu + 2.5mm ² PVC/Cu earth cable c/w uPVC conduit, junction boxes, ethernet cables, RJ45 Connectors, VGA cables etc. for the Socket outlets point wiring | nr | 119.00 | | | - | - | - |
| 11.3.03 | CAT 6 CABLE | Roll | 2.00 | | | - | - | - |
| 11.3.04 | TV Cable | Roll | 2.00 | | | - | - | - |
| 11.3.05 | 6MM 2CORE CABLE ROLL | Roll | 2.00 | | | - | - | - |
| 11.3.06 | 6MM GREEN CABLE ROLL | Roll | 2.00 | | | - | - | - |
| 11.3.07 | 2MM RED CABLE ROLL | Roll | 10.00 | | | - | - | - |
| 11.3.08 | 2MM BLACK CABLE ROLL | Roll | 10.00 | | | - | - | - |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|--|------|-------|---------------|-------------|-----------------|---------------|--------|
| 11.3.09 | 2MM GREEN CABLE ROLL | Roll | 10.00 | | | - | | - |
| 11.3.11 | 1.5MM RED CABLE ROLL | Roll | 12.00 | | | - | | - |
| 11.3.11 | 1.5MM YELLOW CABLE ROLL | Roll | 12.00 | | | - | | - |
| 11.3.12 | 1.5MM GREEN CABLE ROLL | Roll | 12.00 | | | - | | - |
| 11.3.13 | 1.5MM BLACK CABLE ROLL | Roll | 12.00 | | | - | | - |
| 11.4.00 | <u>FIXTURES</u> | | | | | | | |
| | 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. | | | | | | | |
| | <u>LIGHTS AND SWITCHES</u> | | | | | | | |
| 11.4.01 | Outdoor wall light 40W (IP65) | nr | 5.00 | | | - | - | - |
| 11.4.02 | Indoor Wall Light | nr | 6.00 | | | - | - | - |
| 11.4.03 | Mirror light (7W LED light) | nr | 4.00 | | | - | - | - |
| 11.4.04 | 150mm Ceiling light 18W LED | nr | 75.00 | | | - | - | - |
| 11.4.04 | 24w square LED down light | nr | 36.00 | | | - | - | - |
| 11.4.06 | Ceiling fan (52" - 54") | nr | 18.00 | | | - | - | - |
| 11.4.07 | Exhaust Fan | nr | 4.00 | | | - | - | - |
| 11.4.08 | Light switch (1 G) | nr | 5.00 | | | - | - | - |
| 11.4.08 | Light switch (2 G) | nr | 7.00 | | | - | - | - |
| 11.4.09 | Light switch (3 G) | nr | 7.00 | | | - | - | - |
| 11.4.09 | Light switch (4 G) | nr | 14.00 | | | - | - | - |
| 11.4.09 | Light switch (5 G) | nr | 4.00 | | | - | - | - |
| 11.4.12 | Heater switch | nr | 4.00 | | | - | - | - |
| 11.4.13 | Fan Switch | nr | 18.00 | | | - | - | - |
| | <u>SOCKETS</u> | | | | | | | |
| 11.4.14 | 13 A twin sockets | nr | 84.00 | | | - | - | - |
| 11.4.15 | 13 A sockets | nr | 10.00 | | | - | - | - |
| 11.4.16 | 13 A sockets(WP) | nr | 4.00 | | | - | - | - |
| | 15 A Sockets | nr | 7.00 | | | - | - | - |
| | 15 A Sockets(WP) | nr | 4.00 | | | - | - | - |
| | Fiber Socket | nr | 5.00 | | | - | - | - |
| | Cable TV Socket | nr | 5.00 | | | - | - | - |
| | TOTAL OF BILL №: 11 - Carried Over To Summary | | | | | - | - | - |
| 12.0.00 | Bill №: 12 - PLUMBING | | | | | | | |
| | <u>GENERAL</u> | | | | | | | |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|--|------|-------|---------------|-------------|-----------------|---------------|--------|
| | <p>(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.</p> <p>(b) All pipe work and fittings shall be high pressure PVC.</p> <p>(c) Rates shall include for supply and fixing of all pipes.</p> <p>(d) All sanitary fixtures used shall be of superior quality and approved by the architect/consultant on submission of samples.</p> | | | | | | | |
| 12.1.00 | <u>WATER SUPPLY</u> | | | | | | | |
| | 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> | | | | | | | |
| 12.1.01 | Note: Internal plumbing to all toilets and kitchen including supply and laying of pipes. | item | 2.00 | | | - | - | - |
| | <u>EXTERNAL PLUMBING</u> | | | | | | | |
| 12.1.02 | All pipe works under groundfloor screed/slab to be laid for Waste water, sewage, fresh water and well water connection. | item | 2.00 | | | - | - | - |
| 12.1.03 | 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 | 2.00 | | | - | - | - |
| 12.1.04 | Water connection to all toilets. Rate shall include for supply and laying of pipes. | item | 2.00 | | | - | - | - |
| 12.2.00 | <u>DISCHARGE WORK</u> | | | | | | | |
| 12.2.01 | 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 | 2.00 | | | - | - | - |
| 12.2.02 | | | | | | - | - | - |
| 12.2.03 | 4" Pvc Elbow Medium Pressure | nr | 9.00 | | | - | - | - |
| 12.2.04 | 4" 45degree Pvc Elbow Medium Pressure | nr | 9.00 | | | - | - | - |
| 12.2.05 | 4" Pvc Y Joint Medium Pressure | nr | 5.00 | | | - | - | - |
| 12.2.06 | 4" pvc R Tee medium pressure | nr | 5.00 | | | - | - | - |
| 12.2.07 | 4" pvc T joint medium pressue | nr | 5.00 | | | - | - | - |
| 12.2.08 | 4" Pvc Joint Socket Medium Pressure | nr | 11.00 | | | - | - | - |

| ITEM | DESCRIPTION | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|----------------|---|------|-------|---------------|-------------|-----------------|---------------|--------|
| 12.2.09 | 4" Pvc pipe medium pressure 20 feet | nr | 9.00 | | | - | | - |
| 12.2.10 | 3" Pvc P trap | nr | 3.00 | | | - | | - |
| 12.2.12 | 3" Pvc Y joint medium pressure | nr | 9.00 | | | - | | - |
| 12.2.12 | 3" Pvc T joint medium pressure | nr | 7.00 | | | - | | - |
| 12.2.13 | 3" Pvc Elbow medium pressure | nr | 9.00 | | | - | | - |
| 12.2.14 | 3" 45 degree Elbow Medium pressure | nr | 9.00 | | | - | | - |
| 12.2.15 | 3" pvc joint socket medium pressure | nr | 11.00 | | | - | | - |
| 12.2.16 | 3" x2" staight and two side Y joint (blue colour) | nr | 7.00 | | | - | | - |
| 12.2.17 | 3"x2" pvc y joint medium pressure | nr | 7.00 | | | - | | - |
| 12.2.18 | 3" pvc clip | nr | 23.00 | | | - | | - |
| 12.2.19 | 3" x 2" Pvc Reducer Medium Pressure | nr | 17.00 | | | - | | - |
| 12.2.20 | 3" Pvc pipe medium pressure 20 feet | nr | 5.00 | | | - | | - |
| 12.2.21 | 2" Pvc Elbow Medium Pressure | nr | 19.00 | | | - | | - |
| 12.2.22 | 2" 45degree Pvc Elbow Medium Pressure | nr | 17.00 | | | - | | - |
| 12.2.23 | 2" Pvc T joint Medium Pressure | nr | 17.00 | | | - | | - |
| 12.2.24 | 2" Pvc joint socket | nr | 17.00 | | | - | | - |
| 12.2.25 | 2" Pvc pipe medium pressure 20 feet | nr | 11.00 | | | - | | - |
| 12.2.26 | 2" pvc clip | nr | 23.00 | | | - | | - |
| 12.2.27 | 1"x1/2" Pvc Reducer | nr | 11.00 | | | - | | - |
| 12.2.28 | 1"x1/2" Pvc Reducer Elbow | nr | 17.00 | | | - | | - |
| 12.2.29 | 1-1/2" pvc foot valve | nr | 3.00 | | | - | | - |
| 12.2.30 | 1-1/2" x 1" pvc Reducer socket | nr | 3.00 | | | - | | - |
| 12.2.31 | 1" pvc union joint | nr | 11.00 | | | - | | - |
| 12.2.32 | 1" pvc Elbow | nr | 21.00 | | | - | | - |
| 12.2.33 | 1" pvc T joint | nr | 21.00 | | | - | | - |
| 12.2.34 | 1" pvc ball valve | nr | 7.00 | | | - | | - |
| 12.2.35 | 1" Pvc pipe medium pressure 20 feet | nr | 5.00 | | | - | | - |
| 12.2.36 | 1" pvc End cap | nr | 17.00 | | | - | | - |
| 12.2.37 | 1" pvc Joint socket | nr | 21.00 | | | - | | - |
| 12.2.38 | 1/2" pvc stop valve | nr | 11.00 | | | - | | - |
| 12.2.39 | 1/2" pvc elbow | nr | 23.00 | | | - | | - |
| 12.2.40 | 1/2" pvc inside tread elbow | nr | 23.00 | | | - | | - |
| 12.2.41 | 1/2" pvc inside tread T joint | nr | 17.00 | | | - | | - |
| 12.2.42 | 1/2" pvc T joint | nr | 17.00 | | | - | | - |
| 12.2.43 | 1/2" pvc female adapter (FTA) | nr | 11.00 | | | - | | - |
| 12.2.44 | 1/2" pvc male adapter (MTA) | nr | 11.00 | | | - | | - |
| 12.2.45 | 1/2" pvc joint socket | nr | 11.00 | | | - | | - |
| 12.2.46 | 1/2" outside tread end cap | nr | 11.00 | | | - | | - |
| 12.2.47 | 1/2" Pvc pipe 20 feet medium pressure | nr | 9.00 | | | - | | - |
| 12.2.48 | 1/2" pvc clip | nr | 17.00 | | | - | | - |
| 12.2.49 | 1/2" pvc end cap | nr | 17.00 | | | - | | - |
| 12.2.50 | Pvc Solvent 500ml | nr | 3.00 | | | - | | - |
| 12.2.51 | Treadseal | nr | 5.00 | | | - | | - |
| 12.3.00 | FIXTURES | | | | | | | |

| ITEM | DESCRIPTION | | UNIT | QTY | MATERIAL RATE | LABOUR RATE | MATERIAL AMOUNT | LABOUR AMOUNT | AMOUNT |
|---------|-------------|---|------|------|---------------|-------------|-----------------|---------------|--------|
| 12.3.01 | | Complete installation, cleaning and testing of: | | | | | | | |
| 12.3.01 | | Wash basin | nr | 4.00 | | | - | - | - |
| 12.3.02 | | Wash basin tap | nr | 4.00 | | | - | - | - |
| 12.3.03 | | Muslim shower with stop valve | nr | 4.00 | | | - | - | - |
| 12.3.04 | | Soap holder | nr | 4.00 | | | - | - | - |
| 12.3.05 | | Floor Drain | nr | 4.00 | | | - | - | - |
| 12.3.06 | 510 | x 1110 mm Face Mirror | nr | 4.00 | | | - | - | - |
| 12.3.07 | | Water Closet | nr | 4.00 | | | - | - | - |
| 12.3.08 | 1600 | x 600 mm Counter top with tile finish | nr | 4.00 | | | - | - | - |
| 12.3.09 | | Water booster pump | item | 3.00 | | | - | - | - |
| 12.3.10 | | Shower set | nr | 4.00 | | | - | - | - |
| 12.3.12 | | Sink & sink tap | nr | 3.00 | | | - | - | - |
| | | TOTAL OF BILL No: 12 - Carried Over To Summary | | | | | - | - | - |