

| Item | Description                                                                                                                                              | Qty | Unit           | Rate | Amount |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|------|--------|
|      | <b>BILL No. 2 - SUBSTRUCTURE</b>                                                                                                                         |     |                |      |        |
|      | <b>SUBSTRUCTURE WORKS - All Provisional</b>                                                                                                              |     |                |      |        |
|      | <b>D - GROUND WORKS</b>                                                                                                                                  |     |                |      |        |
|      | <b><u>D20 Excavating and filling</u></b>                                                                                                                 |     |                |      |        |
|      | <b><u>Q20 Hardcore/Granular/Cement bound and bases/<br/>sub-bases to roads/paving</u></b>                                                                |     |                |      |        |
|      | <b><u>Site Preparation</u></b>                                                                                                                           |     |                |      |        |
| A    | Clear site of all bushes, shrubs, under growths, hedges                                                                                                  | 51  | m <sup>2</sup> |      |        |
|      | <b><u>Excavation</u></b>                                                                                                                                 |     |                |      |        |
| B    | Excavate vegetable top soil average depth 150mm deep and deposit in spoil heap for re-use as directed by the Project Manager                             | 51  | m <sup>2</sup> |      |        |
| C    | Excavate pits column, maximum depth not exceeding 2.00m commencing at stripped level                                                                     | 2   | m <sup>3</sup> |      |        |
| D    | Excavate trenches, width exceeding 0.30m, and maximum depth not exceeding 1.20m commencing at stripped level                                             | 19  | m <sup>3</sup> |      |        |
|      | <b><u>Disposal</u></b>                                                                                                                                   |     |                |      |        |
| E    | Dispose on site surplus excavated material as directed by the Project Manager                                                                            | 14  | m <sup>3</sup> |      |        |
|      | <b><u>Filling to Excavations</u></b>                                                                                                                     |     |                |      |        |
| F    | Back fill selected excavated material around foundation                                                                                                  | 15  | m <sup>3</sup> |      |        |
|      | <b><u>Filling to make up levels</u></b>                                                                                                                  |     |                |      |        |
| G    | Approved imported 'laterite' filling material, average thickness exceeding 250mm, laid in layers not exceeding 150mm thick and compacted under floor bed | 20  | m <sup>3</sup> |      |        |
|      | Carried Forward                                                                                                                                          |     |                |      |        |
|      |                                                                                                                                                          |     |                |      |        |
|      |                                                                                                                                                          |     |                |      |        |

| Item | Description                                                                             | Qty | Unit | Rate | Amount |
|------|-----------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b>BILL No. 2 - SUBSTRUCTURE</b>                                                        |     |      |      |        |
|      | Brought Forward                                                                         |     |      |      |        |
|      | <b>E - IN SITU CONCRETE/LARGE PRECAST CONCRETE</b>                                      |     |      |      |        |
|      | <b><u>E10 - In-situ Concrete</u></b>                                                    |     |      |      |        |
|      | <b><u>Plain in-situ concrete; designed mix, grade</u></b>                               |     |      |      |        |
|      | <b><u>C15/mm²: - 20mm nominal maximum size aggregate</u></b>                            |     |      |      |        |
|      | <b><u>poured on or against unblinded hardcore as described in:</u></b>                  |     |      |      |        |
| A    | Blinding bed, thickness not exceeding 150mm                                             | 1   | m³   |      |        |
|      | <b><u>Reinforced in-situ concrete; designed mix, grade</u></b>                          |     |      |      |        |
|      | <b><u>C25/mm²: - 20mm nominal maximum size aggregate</u></b>                            |     |      |      |        |
|      | <b><u>poured on or against unblinded hardcore as described in:</u></b>                  |     |      |      |        |
| B    | Bed                                                                                     | 16  | m³   |      |        |
| C    | Ground Beams                                                                            | 2   | m³   |      |        |
| D    | Isolated rectangular/square columns                                                     | 1   | m³   |      |        |
| E    | Conlumn base                                                                            | 1   | m³   |      |        |
|      | <b><u>E20 - Formwork for in situ concrete</u></b>                                       |     |      |      |        |
|      | <b><u>Sawn timber formwork to:</u></b>                                                  |     |      |      |        |
| G    | Sides of ground beams and edges of floor bed, plain vertical height not exceeding 250mm | 135 | m    |      |        |
| H    | Isolated rectangular/square columns                                                     | 4   | m²   |      |        |
|      | Carried forward                                                                         |     |      |      |        |
|      |                                                                                         |     |      |      |        |
|      |                                                                                         |     |      |      |        |

| Item | Description                                                                                                                                                                                                              | Qty  | Unit           | Rate | Amount |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|------|--------|
|      | <b>BILL No. 2 - SUBSTRUCTURE</b>                                                                                                                                                                                         |      |                |      |        |
|      | Brought Forward                                                                                                                                                                                                          |      |                |      |        |
|      | <b><u>E30 - Reinforcement for in-situ concrete</u></b>                                                                                                                                                                   |      |                |      |        |
|      | <b><u>Mild steel Reinforcement bar in cuts, bends, hooks, spacers, chairs and fixed into positions in accordance to specifications and schedule:</u></b>                                                                 |      |                |      |        |
| A    | 16mm Diameter in Columns                                                                                                                                                                                                 | 0.06 | t              |      |        |
| B    | 12mm Diameter                                                                                                                                                                                                            | 0.24 | t              |      |        |
| C    | 10mm Diameter                                                                                                                                                                                                            | 0.20 | t              |      |        |
| D    | Fabric mesh reinforcement BS4483 reference A393 mesh with 10mm mild steel at 150mm centre to centre                                                                                                                      | 51   | m <sup>2</sup> |      |        |
|      | <b>F - MASONRY</b>                                                                                                                                                                                                       |      |                |      |        |
|      | <b><u>F10 - Brick/Block walling</u></b>                                                                                                                                                                                  |      |                |      |        |
|      | <b><u>150mm thick Solid Sandcrete block with cement and sand binder, 3.5mm<sup>2</sup> crushing strenght; nominal size 450mm long x 225mm high in stretcher bond in cement and sand mortar (1:4) walls, vertical</u></b> |      |                |      |        |
| E    | Walls, vertical                                                                                                                                                                                                          | 41   | m <sup>2</sup> |      |        |
|      | <b>J - WATERPROOFING</b>                                                                                                                                                                                                 |      |                |      |        |
|      | <b><u>J40 - Flexible sheet tanking / damp proofing</u></b>                                                                                                                                                               |      |                |      |        |
| F    | 500 microns heavy duty polythene damp proof membrane spread on prepared ground                                                                                                                                           | 51   | m <sup>2</sup> |      |        |
|      | Carried forward                                                                                                                                                                                                          |      |                |      |        |
|      |                                                                                                                                                                                                                          |      |                |      |        |
|      |                                                                                                                                                                                                                          |      |                |      |        |

| Item | Description                                                                                                                                                                                                            | Qty | Unit           | Rate | Amount |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|------|--------|
|      | BILL No. 2 - SUBSTRUCTURE<br><br>Brought forward                                                                                                                                                                       |     |                |      |        |
| A    | M. SURFACE FINISHES<br><u>M20. Plastered/Rendered/Roughcast coatings</u><br>Walls, 15mm thick, width exceeding 300mm in cement and sand (1:4) mix rendering in one coat                                                | 82  | m <sup>2</sup> |      |        |
| B    | <u>M60 - Painting/Clear finishing</u><br><u>Prepare and apply Coral weathershield emulsion paint, one undercoat and two finishing coats to cement and sand render, general surfaces girth exceeding 300mm</u><br>Walls | 82  | m <sup>2</sup> |      |        |
|      | <u>SUBSTRUCTURE WORKS</u><br>Carried to Final Summary                                                                                                                                                                  |     |                |      |        |

| Item | Description                                                                                                                                                            | Qty | Unit | Rate | Amount |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b>BILL No. 2 -SUPERSTRUCTURE</b>                                                                                                                                      |     |      |      |        |
|      | <b>GROUND FLOOR</b>                                                                                                                                                    |     |      |      |        |
|      | <b>E. IN SITU CONCRETE/LARGE PRECAST CONCRETE</b>                                                                                                                      |     |      |      |        |
|      | <b>E10 - In-situ Concrete</b>                                                                                                                                          |     |      |      |        |
|      | <u><b>Reinforced in-situ concrete; designed mix, grade C25/mm²: - 20mm nominal maximum size aggregate poured on or against unblinded hardcore as described in:</b></u> |     |      |      |        |
| A    | Suspended slab, thickness not exceeding 150mm                                                                                                                          | 16  | m³   |      |        |
| B    | Beams attached to suspended slab                                                                                                                                       | 2   | m³   |      |        |
| C    | Isolated rectangular/square /circular columns                                                                                                                          | 17  | m³   |      |        |
|      | <b>E20. Formwork for in situ concrete</b>                                                                                                                              |     |      |      |        |
|      | <u><b>Wrot Hardwood timber formwork to:</b></u>                                                                                                                        |     |      |      |        |
| F    | Soffits of suspended slabs, slab thickness not exceeding 200mm, horizontal, height to soffit exceeding 1.50m but not exceeding 3.00m                                   | 51  | m²   |      |        |
| G    | Sides and soffits of beam/lintel attached to slabs, regular shaped, 'rectangular, 'height to soffit exceeding 1.50m but not exceeding 3.00m                            | 31  | m²   |      |        |
| H    | Sides of columns attached to wall, regular shaped, rectangular and circular, height exceeding 3.00m above floor level                                                  | 17  | m²   |      |        |
| J    | Edges of suspended slabs, plain vertical height not exceeding 250mm                                                                                                    | 31  | m    |      |        |
|      | <i>Carried to Collection</i>                                                                                                                                           |     |      |      |        |

| Item | Description                                                                                                                                                                                                            | Qty  | Unit           | Rate | Amount |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|------|--------|
|      | <b>BILL No. 2 -SUPERSTRUCTURE</b>                                                                                                                                                                                      |      |                |      |        |
|      | <b>E30. Reinforcement for in situ concrete</b>                                                                                                                                                                         |      |                |      |        |
|      | <b><u>Mild Steel Reinforcement bar in cuts, bends, hooks, spacers, chairs and fixed into positions in accordance to specifications and schedule:</u></b>                                                               |      |                |      |        |
| F    | 16mm Diameter in Columns                                                                                                                                                                                               | 0.16 | t              |      |        |
| G    | 16mm Diameter in Beams                                                                                                                                                                                                 | 0.43 | t              |      |        |
| K    | 10mm Diameter links in Columns                                                                                                                                                                                         | 0.09 | t              |      |        |
| L    | 10mm Diameter links in Beams                                                                                                                                                                                           | 0.17 | t              |      |        |
|      | <b><u>E. IN SITU CONCRETE/LARGE PRECAST CONCRETE</u></b>                                                                                                                                                               |      |                |      |        |
|      | Carried to Summary                                                                                                                                                                                                     |      |                |      |        |
|      | <b>F. MASONRY</b>                                                                                                                                                                                                      |      |                |      |        |
|      | <b>F10. Brick/Block walling</b>                                                                                                                                                                                        |      |                |      |        |
|      | <b><u>150mm thick Solid Sandcrete block with cement and sand binder, 4mm<sup>2</sup> crushing strenght; nominal size 450mm long x 225mm high in stretcher bond in cement and sand mortar (1:4) walls, vertical</u></b> |      |                |      |        |
| A    | Walls, vertical                                                                                                                                                                                                        | 134  | m <sup>2</sup> |      |        |
|      | <b><u>F. MASONRY</u></b>                                                                                                                                                                                               |      |                |      |        |
|      | Carried to Summary                                                                                                                                                                                                     |      |                |      |        |

| Item | Description                                                                                                                                           | Qty | Unit | Rate | Amount    |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|-----------|
|      | <b>BILL No. 2 -SUPERSTRUCTURE</b>                                                                                                                     |     |      |      |           |
|      | <b><u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u></b>                                                                                               |     |      |      |           |
|      | <b><u>G20. Carpentry / Timber framing / First fixing</u></b>                                                                                          |     |      |      |           |
|      | <b><u>The following in cut, sawn hardwood, well seasoned and treated with approved creosote or other other approved chemical compounds as in:</u></b> |     |      |      |           |
|      | <b><u>Plates</u></b>                                                                                                                                  |     |      |      |           |
| A    | 150 x 50mm hard wood timber, Plate                                                                                                                    | 31  | m    |      |           |
|      | <b><u>Roof Members</u></b>                                                                                                                            |     |      |      |           |
| B    | 50mm x 150mm hard wood timber, Rafters                                                                                                                | 35  | m    |      |           |
| C    | 50mm x 100mm hardwood timber, purlins                                                                                                                 | 138 | m    |      |           |
| D    | 50mm x 75mm hardwood timber, joist                                                                                                                    | 232 | m    |      |           |
| E    | 50mm x 50mm hardwood timber, hangers                                                                                                                  | 40  | m    |      |           |
|      | <b><u>Fascia and Verge boards</u></b>                                                                                                                 |     |      |      |           |
| G    | Fascia boards, width not exceeding 300mm wrot hardwood 25mm x 300mm with splayed end at one side nailed to rafters, prime back and oil painted        | 35  | m    |      |           |
| H    | Include the provisional sums of <b>TenThousand Cedis (GhS10,000.00)</b> for carpenter's metal works and any additional works in this section          |     | Item |      | 10,000.00 |
|      | <b>G. STRUCTURAL / CARCASSING METAL / TIMBER</b><br>Carried to Summary                                                                                |     |      |      |           |
|      | <b><u>H. CLADDING / COVERING</u></b>                                                                                                                  |     |      |      |           |

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| Item | Description                                                                                                                                                                                                                                                        | Qty | Unit           | Rate | Amount |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|------|--------|
|      | <b>BILL No. 2 -SUPERSTRUCTURE</b>                                                                                                                                                                                                                                  |     |                |      |        |
|      | <b>M. SURFACE FINISHES</b>                                                                                                                                                                                                                                         |     |                |      |        |
|      | <b>M10. Sand Cement/Concrete/Granolithic Screeds/Flooring</b>                                                                                                                                                                                                      |     |                |      |        |
| A    | Floors, level and to falls only not exceeding 15degrees from horizontal, 50mm thick in cement and sand (1:4) mix floor screed                                                                                                                                      | 51  | m <sup>2</sup> |      |        |
|      | <b>M20. Plastered/Rendered/Roughcast coatings</b>                                                                                                                                                                                                                  |     |                |      |        |
|      | <b><u>Cement and sand (1:4) mix render in one coat finished smooth on;</u></b>                                                                                                                                                                                     |     |                |      |        |
| C    | Walls, 19mm thick render, width exceeding 300mm                                                                                                                                                                                                                    | 86  | m <sup>2</sup> |      |        |
| D    | Walls, 13mm thick render, width exceeding 300mm                                                                                                                                                                                                                    | 182 | m <sup>2</sup> |      |        |
|      | <b>M40. Stone/Concrete/Quarry/Ceramic Tiling/Mosaic</b>                                                                                                                                                                                                            |     |                |      |        |
|      | <b><u>Floor</u></b>                                                                                                                                                                                                                                                |     |                |      |        |
| E    | 600 x 600 x 10mm Thick high quality porcelain semi-polished floor tiles, laid to an approved pattern with tiles cement and adhesive, joints pointed and grouted with cement grout and sealed on floors, level or to falls not exceeding 15 degrees from horizontal | 51  | m <sup>2</sup> |      |        |
| F    | 600 x 300 x 10mm Thick high quality coloured glazed ceramic wall tiles, laid with approved tile cement and adhesive, joints pointed with cement grout and sealed, walls plain width exceeding 300mm                                                                | 202 | m <sup>2</sup> |      |        |
|      | <i>C/fwd</i>                                                                                                                                                                                                                                                       |     |                |      |        |
|      |                                                                                                                                                                                                                                                                    |     |                |      |        |
|      |                                                                                                                                                                                                                                                                    |     |                |      |        |

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| Item | Description                                                                                                                                                                                                                                                                                                           | Qty | Unit | Rate | Amount    |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|-----------|
|      | <b>BILL No. 2 -SUPERSTRUCTURE</b>                                                                                                                                                                                                                                                                                     |     |      |      |           |
|      | <b><u>Y. MECHANICAL AND ELECTRICAL SERVICES</u></b>                                                                                                                                                                                                                                                                   |     |      |      |           |
|      | <b><u>ELECTRICAL INSTALLATION</u></b>                                                                                                                                                                                                                                                                                 |     |      |      |           |
|      | <u>Electrical Fixtures</u>                                                                                                                                                                                                                                                                                            |     |      |      |           |
|      | <u>Supply and install the following internal lighting fixtures and accessories:</u>                                                                                                                                                                                                                                   |     |      |      |           |
| A    | 18W 4500K LED round panel light                                                                                                                                                                                                                                                                                       | 14  | No.  |      |           |
| B    | 6A Sp 2 gang 1 way light switch, as MK or approved equivalent                                                                                                                                                                                                                                                         | 7   | No.  |      |           |
| C    | Include the provisional of <b>Twenty Thousand Ghana Cedis (GHS 20,000.00)</b> for cabling, coaxial cable , box room,conduit pipes copper cables, pipes and any other accessories in this section                                                                                                                      |     | Item |      | 20,000.00 |
|      | <u>Sanitary Fixtures</u>                                                                                                                                                                                                                                                                                              |     |      |      |           |
| D    | British standard Close couple or approved equivalent, white ceramic WC suite with plastic seats, comprising the following<br>I) WC pot with P or S trap.<br>ii) Cistern, 7.5 litre capacity<br>iii) Valve fitting with plastic syphon and support<br>iv) Plastic seat and cover.                                      | 10  | No.  |      |           |
| E    | British Standard corner porcelain wash hand basin or equivalent pedestal porcelain white wash hand Basin with the following<br>i) Plastic bottle trap<br>ii) 12mm chromium plated taps.<br>iii) 32mm chain waste with overflow slot<br>iv) Size approx. 560 x 400mm semi oval, fixed to wall with concealed brackets. | 5   | No.  |      |           |
| F    | Toilet roll holder in stainless steel screwed to wall near WC suite                                                                                                                                                                                                                                                   | 10  | No.  |      |           |
| G    | Bathroom mirror, plate glass mirror Size 800 x 600mm screwed and fixed to wall above basin.                                                                                                                                                                                                                           | 5   | No.  |      |           |
| H    | Include the provisional of <b>Thirty Thousand Ghana Cedis (GHS 30,000.00)</b> for pipeworks including supply, installation, testing and commissioning, fittings and any other accessories in this section                                                                                                             |     | Item |      | 30,000.00 |
|      | <b>Y. MECHANICAL AND ELECTRICAL SERVICES</b><br>Carried to Summary                                                                                                                                                                                                                                                    |     |      |      |           |

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**FINAL SUMMARY**

**AMOUNT**

BILL No.1 :- PRELIMINARIES AND GENERAL CONDITIONS

BILL No.2 :- SUBSTRUCTURE

BILL No.3:- GROUND FLOOR

**SUB-TOTAL 1**

**ADD**

Contingency Sum

35,000.00

**SUB-TOTAL 2**

**Adjustment Allowance**

**Add/ Subtract**

**TOTAL CARRIED TO FORM OF TENDER**

Signature .....

Designatory.....

For and on behalf of .....

Date .....

**To be completed in ..... Months**