

**PROPOSED UNHCR STAFF ACCOMMODATION, UNSOS COMPOUND, BAIDOA**

| ITEM     | DESCRIPTION   | QTY | UNIT | RATE (USD) | AMOUNT (USD) |
|----------|---|-----|------|------------|--------------|
| <b>1</b> | <b><u>ELEMENT NO.1: SUBSTRUCTURES</u></b><br><br>(PROVISIONAL)<br><br>(NOTE: Tenderer to allow for working space in their rates)<br><br><b><u>Site clearance</u></b>                |     |      |            |              |
| 1.1      | Clear site of all bushes, grass, scrubs and roots.  | 94  | S.M  |            |              |
| 1.2      | Excavate over site to remove top vegetation soil 200mm  | 94  | S.M  |            |              |
|          | <b><u>Excavations</u></b><br><br><u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u><br><br><u>Foundation Trench</u> |     |      |            |              |
| 1.3      | Excavate starting from stripped level a 600mm wide foundation trench to a depth of 1200mm (1.2m) in hard/rocky soil   | 30  | C.M  |            |              |
| 1.4      | <u>Column bases (1300mm x 1300mm)</u><br><br>Excavate starting from stripped level a 1300mm wide by 1300mm length column bases to a depth of 1200mm (1.2m) in hard/rocky soil       | 19  | C.M  |            |              |
| 1.5      | <u>Excavated material</u><br><br>Return, backfill and ram selected excavated material around foundation   | 49  | C.M  |            |              |
| 1.6      | <b><u>Imported Filling</u></b><br><br>Supply, lay and compact approved 200mm thick hardcore rammed in layers not exceeding 100mm under the strip and column base foundation.        | 5   | C.M  |            |              |
|          | <b>SUBSTRUCTURES SUB-TOTAL CARRIED TO COLLECTION</b>  |     |      |            |              |

| ITEM | DESCRIPTION  | QTY  | UNIT | RATE (USD) | AMOUNT (USD) |
|------|--|------|------|------------|--------------|
|      | <b><u>Concrete Works</u></b><br><br><u>Rates of concrete works shall include all shuttering/formwork, making chamfered and curved edges, allowing for and making grooves, sleeves etc removal of forms and cleaning all exposed wires and rods, making good the harmed surfaces and edges and all surface finishing.</u><br><br><u>100mm mass concrete blinding class 15/20 as described in:</u> |      |      |            |              |
| 1.7  | Column bases (1300mm x 1300mm x 250mm)   | 26   | S.M  |            |              |
| 1.8  | Strip foundation   | 25   | S.M  |            |              |
|      | <u>Vibrated reinforced concrete class 20mm; 1:2:4 20mm aggregate as described in:</u>  |      |      |            |              |
| 1.9  | Column bases (1300mm x 1300mm x 250mm)   | 6.5  | C.M  |            |              |
| 1.10 | Foundation columns (250mm x 200mm)   | 1    | C.M  |            |              |
| 1.11 | 250mm thick strip foundation   | 6    | C.M  |            |              |
| 1.12 | Ground/grade beam (300mm x 200mm)  | 2.5  | C.M  |            |              |
| 1.13 | 150mm thick ground floor slab  | 10.6 | C.M  |            |              |
|      | <b><u>Reinforcement</u></b><br><br><u>Supply and fix steel bars in foundation concrete work including cutting, bending, hoisting, and tying wire, spacers bars and supporting all in position</u><br><br><u>High tensile rolled square twisted reinforced bars to BS 4461 as described:-</u>   |      |      |            |              |
| 1.14 | 8mm diameter   | 97   | KG   |            |              |
| 1.15 | 10mm ditto   | 145  | KG   |            |              |
| 1.16 | 12mm ditto   | 341  | KG   |            |              |
| 1.17 | 16mm ditto   | 152  | KG   |            |              |
|      | <b>SUBSTRUCTURES SUB-TOTAL CARRIED TO COLLECTION</b>   |      |      |            |              |

| ITEM | DESCRIPTION   | QTY | UNIT | RATE (USD) | AMOUNT (USD) |
|------|---|-----|------|------------|--------------|
| 1.18 | <u>Foundation walling</u><br>200mm thick concrete hollow block internal and external walling bedded and jointed in cement and sand (1:4) mortar, built to courses in cement/sand mortar as described in: (mortar joints should not exceed 25mm thickness)<br>Substructure hollow block walling as described above: reinforced with and including 20swg x 25mm wide hoop iron in every alternative course; height 0.95m. | 40  | S.M  |            |              |
| 1.19 | <u>Floor Slab</u><br>Supply and hand pack a 300mm thick hardcore to the ground floor area and compact in layers not exceeding 1500mm thick  | 20  | C.M  |            |              |
| 1.20 | Supply, lay and compact 50mm thick approved murram blinding   | 63  | S.M  |            |              |
| 1.21 | <u>Damp proof membranes</u><br>Supply and lay 1000 gauge polythene DPM (with 150mm laps) over the compacted murram blinding   | 63  | S.M  |            |              |
| 1.22 | <u>Anti-termite treatment</u><br>Supply and apply approved anti-termite and herbicide treatment chemicals with a ten year guarantee to top of hardcore beds and around foundation walls   | 63  | S.M  |            |              |
| 1.23 | <u>Mesh fabric reinforcement; B.S 4483</u><br>Supply and fix mesh fabric reinforcement no. A142 size 200 x 200mm weighing 2.22 kg per square metre in floor slab ( measured net- no allowance made for laps; including bends tying wire and distant blocks.   | 63  | S.M  |            |              |
| 1.24 | 600mm x 600mm x 50mm precast concrete paving slabs key jointed in cement/sand mortar (1:3) laid to slight falls on wall compacted on 50mm thick murram bed  | 23  | S.M  |            |              |
|      | <b>SUBSTRUCTURES SUB-TOTAL CARRIED TO COLLECTION</b>  |     |      |            |              |
|      | <b><u>COLLECTION</u></b>  |     |      |            |              |
|      | <b>Brought forward from page 01</b>   |     |      |            |              |
|      | <b>Brought forward from page 02</b>   |     |      |            |              |
|      | <b>Brought forward from page 03 above</b>   |     |      |            |              |
|      | <b>TOTAL FOR SUBSTRUCTURES CARRIED TO THE MAIN SUMMARY</b>  |     |      |            |              |

| ITEM       | DESCRIPTION  | QTY  | UNIT | RATE (USD) | AMOUNT (USD) |
|------------|--|------|------|------------|--------------|
| <b>2.0</b> | <b><u>ELEMENT NO.2: SUPERSTRUCTURE</u></b><br><br><u>Rates of concrete works shall include all shuttering/formwork, making chamfered and curved edges, allowing for and making grooves, sleeves etc removal of forms and cleaning all exposed wires and rods, making good the harmed surfaces and edges and all surface finishing.</u><br><br><u>Note: This element comprises all ring beams, columns, suspended roof slab and ribbed steel reinforcement</u><br><br><u>Vibrated concrete class 25/20mm 1:2:4 - 20mm aggregate as described in:-</u> |      |      |            |              |
| 2.1        | 250mm x 200mm columns  | 2.7  | C.M  |            |              |
| 2.2        | 450mm x 200mm ring beams   | 6    | C.M  |            |              |
| 2.3        | 200mm thick suspended roof floor slab with full top and bottom reinforcement   | 14.2 | S.M  |            |              |
|            | <u>Reinforcement as described:-[PROVISIONAL]</u><br><br><u>Supply and fix steel bars in foundation concrete work including cutting, bending, hoisting, and tying wire, spacers bars and supporting all in position</u><br><br><u>High tensile rolled square twisted reinforced bars to BS 4461 as described:-</u>  |      |      |            |              |
| 2.4        | 8mm diameter   | 228  | KG   |            |              |
| 2.5        | 10mm ditto   | 416  | KG   |            |              |
| 2.6        | 12mm ditto   | 233  | KG   |            |              |
| 2.7        | 16mm ditto   | 380  | KG   |            |              |
|            | <b><u>WALLING</u></b>  |      |      |            |              |
|            | <u>200mm thick concrete hollow block internal and external walling bedded and jointed in cement and sand (1:3) mortar, built to courses in cement/sand mortar as described in: (mortar joints should not exceed 25mm thickness)</u><br><br><u>External and internal walling</u>  |      |      |            |              |
| 2.8        | Superstructure hollow block walling as described above: reinforced with and including 20swg x 25mm wide hoop iron in every alternative course; height 2.55m.   | 155  | S.M  |            |              |
|            | <u>Damp Proof course</u><br><br><u>Three ply bituminous felt damp proof course bedded in sand cement (1:3) mortar (measured net allow for laps) as described under:-</u>   |      |      |            |              |
| 2.9        | Supply and lay 200mm wide bituminous based damp proof course; BS743 laid 150mm minimum laps  | 60   | L.M  |            |              |
|            | <b>TOTAL FOR SUPERSTRUCTURE CARRIED TO THE MAIN SUMMARY</b>  |      |      |            |              |

| ITEM       | DESCRIPTION  | QTY | UNIT | RATE (USD) | AMOUNT (USD) |
|------------|--|-----|------|------------|--------------|
| <b>3.0</b> | <b><u>ELEMENT NO.3: ROOF CONSTRUCTION AND FINISHES</u></b><br><u>The contractor is reminded to include in their pricing, the cost of supply, cutting waste and erecting. Timber to be treated as described in the specifications.</u>  |     |      |            |              |
| 3.1        | Supply and fix gauge 28, IT4 profile (blue colour) iron sheets including ridge cap; laid on treated timber purlins spaced at 1.2m and trusses, fixed with roof nails and neoprene washer washers and caps  | 110 | S.M  |            |              |
|            | <u>The following in 20 No. Second grade pressure impregnated cypress timber trusses including nails, lappers, and all the necessary for assembly and hoisting to position as per roofing details.</u>  |     |      |            |              |
| 3.2        | 150mm x 50mm ceiling joist, ditto  | 60  | L.M  |            |              |
| 3.3        | 150mm x 50mm rafters   | 77  | L.M  |            |              |
| 3.4        | 150mm x 50mm, king posts, ties and struts  | 91  | L.M  |            |              |
| 3.5        | 75mm x 50mm treated timber for purlins   | 185 | L.M  |            |              |
| 3.6        | 250 x 25mm fascia board cut to shape   | 41  | L.M  |            |              |
| 3.7        | 100 x 50mm treated cypress timber wall plate beeded in cement sand mortar (1:3) bolted to concrete with and fixed with and including hoop iron fixed to ring beam  | 41  | L.M  |            |              |
| 3.8        | <u>Painting and decorating</u><br>Painting and decorating (apply wood primer on back of timber before fixing) fascia board external  | 41  | L.M  |            |              |
| 3.9        | <u>Rain Water Disposal</u><br>150mm halfround heavy duty rainwater PVC gutters fixed into position with heavy duty brackets at 600mm centres   | 41  | L.M  |            |              |
| 3.10       | Ditto for 150mm square rainwater outlet  | 4   | NO.  |            |              |
| 3.11       | 150mm halfround heavy duty PVC down pipes fixed with PVC holder bats   | 12  | L.M  |            |              |
| 3.12       | Extra over ditto for swan-neck 800mm long  | 4   | NO.  |            |              |
| 3.13       | Ditto rain water shoe  | 4   | NO.  |            |              |
| 3.14       | Supply, fill with clean sand (free from any organic matter or salts etc) and lay onto the mild steel sheet, 7000 nos. hessian (burlap) sandbags. The hessian (burlap) sandbags should be filled to 70% of capacity for easy stacking; effective stacked height as 400mm from the steel sheet. Cost to include provision of sand, sealing the sandbags, hoisting and placement. | 1   | LS   |            |              |
|            | <b>TOTAL FOR ROOFING CARRIED TO THE MAIN SUMMARY</b>   |     |      |            |              |

| ITEM       | DESCRIPTION   | QTY | UNIT  | RATE (USD) | AMOUNT (USD) |
|------------|---|-----|-------|------------|--------------|
| <b>4.0</b> | <b>ELEMENT NO.4: DOORS AND WINDOWS</b>  |     |       |            |              |
|            | <b><u>Hardwood panel doors to B.S. 459</u></b>  |     |       |            |              |
| 4.1        | Supply and fix, hardwood panel doors overall size 900mm x 2100mm high and 200mm wide x 50mm thick hardwood door frames  | 4   | NO.   |            |              |
| 4.2        | Supply and fix for all doors, 25mm hardwood quadrants   | 25  | L.M   |            |              |
| 4.3        | Supply and fix for all doors, 75mm x 25mm hardwood architraves  | 25  | L.M   |            |              |
|            | <u>Prepare and apply undercoat and two coats gloss varnish to</u>   |     |       |            |              |
| 4.4        | Surfaces over 75mm but not exceeding 150mm girth  | 75  | L.M   |            |              |
| 4.5        | General timber surfaces   | 20  | S.M   |            |              |
|            | <u>Iron mongery; supply and fix the following:</u>  |     |       |            |              |
| 4.6        | Heavy duty approved 3-Lever mortice locks as "UNION" with lever, handles and complete door furniture  | 4   | NO.   |            |              |
| 4.7        | Heavy duty approved 100mm heavy brass butt hinges   | 12  | PAIRS |            |              |
| 4.8        | 30mm diameter rubber door stops raw bolted to concrete  | 4   | NO.   |            |              |
| 4.9        | Heavy duty steel/metal night latch  | 2   | NO.   |            |              |
|            | <b><u>UPVC windows</u></b>  |     |       |            |              |
| 4.10       | UPVC windows Type 1 (1200mm long x 1200mm high) with 6mm thick glazing; including plastic mosquito screens and coffee tray mesh   | 6   | NO.   |            |              |
| 4.11       | UPVC windows Type 3 (600mm long x 600mm high) 6mm thick glazing; including plastic mosquito screens and coffee tray mesh  | 2   | S.M   |            |              |
| 4.12       | 200mm x 25mm wooden/timber curtain boxes with H section curtain railing with and including 150mm laps, runners at 100mm caters, stoppers, finished with 4 coats of primer and gloss oil paint | 10  | L.M   |            |              |
|            | <b>TOTAL FOR DOORS AND WINDOWS CARRIED TO THE MAIN SUMMARY</b>  |     |       |            |              |

| ITEM       | DESCRIPTION   | QTY | UNIT | RATE (USD) | AMOUNT (USD) |
|------------|---|-----|------|------------|--------------|
| <b>5.0</b> | <b><u>ELEMENT NO.5: FINISHES</u></b>  |     |      |            |              |
|            | <b><u>Floor finishes</u></b>  |     |      |            |              |
| 5.1        | 25mm thick cement sand mortar (1:3) rendering to receive porcelain floor tiles (m.s)  | 63  | S.M  |            |              |
|            | <u>Porcelain floor tiles</u>  |     |      |            |              |
|            | <u>Rate to include cost of supply, grouting, adhesive, spacers and all other materials and laying to completion: fix non-slip porcelain tiles to floors on prepared bed (m.s) with adhesive; jointed and pointed in matching coloured grouting: including pvc spacers and expansion joint as necessary: all to Engineer's approval.</u>                       |     |      |            |              |
| 5.2        | Approved <u>porcelain</u> floor tiles; 400mm x 400mm x 6mm thick non-slip floor tiles   | 63  | S.M  |            |              |
| 5.3        | 25mm x 100mm high porcelain floor tile skirting   | 58  | L.M  |            |              |
|            | <b><u>Internal wall finishes</u></b>  |     |      |            |              |
|            | <u>15mm thick two coat cement sand (1:3) plaster trowelled smooth and comprising 12mm backing and 3mm second finishing coat (Second coat to be of cement/lime putty (1:5) steel trowelled smooth)</u>   |     |      |            |              |
| 5.4        | Ditto to walls internally   | 230 | S.M  |            |              |
| 5.5        | Ditto soffit of roof slab   | 63  | S.M  |            |              |
| 5.6        | WC/washroom white <u>porcelain</u> 3m high wall tiles; 300mm x 600mm  | 40  | S.M  |            |              |
|            | <u>Painting as described:-</u>  |     |      |            |              |
| 5.7        | Prepare and apply under coat and two coats of emulsion paint to internal wall surfaces and soffit of roof slab and beams  | 190 | S.M  |            |              |
| 5.8        | Ditto but gloss paint   | 190 | S.M  |            |              |
|            | <b><u>External wall finishes</u></b>  |     |      |            |              |
|            | <u>15mm thick two coat cement sand (1:3) plaster trowelled smooth and comprising 12mm backing and 3mm second finishing coat (Second coat to be of cement/lime putty (1:5) steel trowelled smooth)</u>   |     |      |            |              |
| 5.9        | Ditto to rendering walls externally   | 110 | S.M  |            |              |
| 5.10       | 15mm thick cement-sand (1:3) render to plinth surfaces; stucco finish   | 18  | S.M  |            |              |
| 5.11       | Prepare and apply three coats of black bituminous paint to plinth surfaces;   | 18  | S.M  |            |              |
| 5.12       | Prepare and apply under coat and two coats of emulsion paint to external wall surfaces  | 110 | S.M  |            |              |
| 5.13       | Supply and fix wardrobe units in 18mm thick MDF boards, high quality veneers, melamine edges finish to design; 6no. drawers and partitions; aluminium pile with center and end brackets/supports; including all fixing accessories with locks, stainless steel hinges and runners all with soft close mechanism and accessories. Size 2925L x 600D x 2800H mm | 2   | Item |            |              |
| 5.14       | Supply and fix kitchenette high level cabinets in MDF boards, high quality veneers, melamine edges finish to design and partitions; aluminium pile with center and end brackets/supports; including all fixing accessories with locks, stainless steel hinges and runners all with soft close mechanism and accessories. Size 2925L x 600D x 900H mm          | 2   | Item |            |              |
|            | <b>TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY</b>   |     |      |            |              |

| ITEM       | DESCRIPTION  | QTY | UNIT | RATE (USD) | AMOUNT (USD) |
|------------|--|-----|------|------------|--------------|
| <b>6.0</b> | <b><u>ELEMENT NO.6: SANITARY AND PLUMBING WORKS</u></b><br><br><u>Contractor is reminded to factor in the cost of supply, installation, connection, testing, prior to final certification and handover, to the satisfaction of UNHCR Engineer; all sanitary, mechanical and plumbing works constructed or installed.</u>                 |     |      |            |              |
|            | <u>All sanitary fittings; supply and install</u>   |     |      |            |              |
| 6.1        | Ceramic WC suite comprising of pan heavy duty plastic seat & cover, ceramic cistern, flush pipe, P or S trap. Cost to include 4" drainage pipework and connection to manholes and septic tank; all accessories.  | 2   | NO.  |            |              |
| 6.2        | Ceramic washhand basin hand washbasin and pedestal; white" complete with tap, waste out-go plug chain and pedestal white. Cost to include 2" drainage pipework and connection to manholes and septic tank; all accessories.  | 2   | NO.  |            |              |
|            | <u>150mm x 150mm semi recessed bathroom accessories</u>  |     |      |            |              |
| 6.3        | Wall mounted toilet roll holder  | 2   | NO.  |            |              |
| 6.4        | Wall mounted soap dish   | 2   | NO.  |            |              |
| 6.5        | 1000mm galvanised steel tower rail   | 2   | NO.  |            |              |
| 6.6        | Overhead shower CP   | 2   | NO.  |            |              |
| 6.7        | Bidet showers; hand bidet sprayers (Arabic shower) with all the required accessories such as press tap, flexible tube (stainless steel hose), wall bracket   | 2   | NO.  |            |              |
| 6.8        | Heavy duty 150x150mm stainless steel floor trap including all the necessary drainage pipe work and connection  | 2   | NO.  |            |              |
| 6.9        | 600mm x 450mm 6mm thick polished plate glass mirror  | 2   | NO.  |            |              |
| 6.10       | Stainless steel sinks including all fittings, pipework, connection and testing; Single Bowl Single Drain including all the necessary drainage pipe work and connection   | 2   | NO.  |            |              |
| 6.11       | Provide materials and erect manhole including all the necessary excavations, backfilling and disposal of surplus materials and formworks and medium duty manhole cover and frame to detail   | 4   | NO.  |            |              |
| 6.12       | Gully trap ( 300mm length x 300mm wide x 300mm deep) with steel cover including all the necessary drainage pipe work and connection  | 2   | NO.  |            |              |
| 6.13       | 3/4 PPR pipes and fitting from Mains to supply points at the ceramic wash hand basins, water closets, overhead shower, arabian shower points, stainless steel kitchen basins including taps, bends, shower head and other fittings and 1" to 3/4" T fitting for main pipe connection and materials change                                | 1   | LS   |            |              |
| 6.14       | Excavate, provide, lay and joint in trench diameter heavy duty 150mm diameter class 4 sewer pipe (uPVC) in flexible joints (rubber ring or lip seal joint) including (mandatory) 100mm approved murrum bed and haunch to details; all require materials, sockets, rubber seals, etc. Cost to include connection to existing septic tank. | 80  | L.M  |            |              |
|            | <b>TOTAL FOR SANITARY AND PLUMBING WORKS CARRIED TO THE MAIN SUMMARY</b>   |     |      |            |              |



| ITEM       | DESCRIPTION   | QTY | UNIT | RATE (USD) | AMOUNT (USD) |
|------------|---|-----|------|------------|--------------|
| <b>7.0</b> | <b>ELEMENT NO.7: ELECTRICAL AND INSTALLATION WORKS</b><br><br>Contractor is reminded to factor in the cost of testing, prior to final certification and handover, to the satisfaction of UNHCR Engineer; all electrical works supplied and fixed or installed.<br><br>Corrosion resistant external and internal cables as approved by UNHCR Engineer<br><br>Supply, install, test and commission the following:-<br><br>Lightning points wired with 3 x 2.5mm single core PVCII copper cables drawn in concealed 25mm diameter HGPVCI conduit for |     |      |            |              |
|            | Switching with all the accessories as required up to consumer unit  |     |      |            |              |
|            | 13 Amps, moulded plate flush mounted switches with screw covers:-   |     |      |            |              |
| 7.1        | 1 gang 1 way  | 8   | NO.  |            |              |
| 7.2        | 1gang 2 way   | 4   | NO.  |            |              |
| 7.3        | 2gang 1 way   | 4   | NO.  |            |              |
| 7.4        | Lighting fitting complete with lamps and all other accessories 40 watts energy saver lamp fitting   | 12  | NO.  |            |              |
| 7.5        | 15 Amps twin/double socket power points wired ring comprising of 3x 2.5mm <sup>2</sup> single core PVCII copper cables drawn in concealed 25mm diameter HGPVCI conduit with all the accessories as required up to consumer unit.  | 14  | NO.  |            |              |
| 7.6        | 15 Amps double/twin sockets   | 14  | NO.  |            |              |
| 7.7        | 45A DP cooker unit and connector with neon flat plate switch  | 2   | NO.  |            |              |
| 7.8        | Flat dual volt shaver socket  | 2   | NO.  |            |              |
| 7.9        | Supply, install, connect and test satellite (TV/COAX) outlet sockets up to junction box including conduits and cable;<br><br>Distribution Board   | 2   | NO.  |            |              |
| 7.10       | 12 -Way 150 Amps TPN (MCCB) flush mounted distribution board as "ABB" original brand complete with 150 Amps Integral TPN Isolator.  | 1   | NO.  |            |              |
| 7.11       | Supply, install, test and connect to main feeder line from Main Distribution Board to accommodation. Price to include PVC conduits and digging trench 450mm below final ground level; 4core 16mm <sup>2</sup> armoured cable with relevant accessories for termination  | 60  | L.M  |            |              |
|            | <b>ELECTRICAL INSTALLATION SUB-TOTAL CARRIED TO COLLECTION</b>  |     |      |            |              |

| ITEM | DESCRIPTION   | QTY | UNIT | RATE (USD) | AMOUNT (USD) |
|------|---|-----|------|------------|--------------|
|      | <u>Supply and install approved 4 way consumer unit with MCBs as below:</u>  |     |      |            |              |
| 7.12 | 6 amps SP   | 4   | NO.  |            |              |
| 7.13 | 10 amps SP  | 4   | NO.  |            |              |
| 7.14 | 20 amps SP  | 4   | NO.  |            |              |
| 7.15 | 32 amps SP  | 2   | NO.  |            |              |
| 7.16 | 63A Double Isolator   | 2   | NO.  |            |              |
|      | <u>Airconditioner</u>   |     |      |            |              |
| 7.17 | Supply and fix single split wall mounted type air conditioner; with auto restart function, integrated inverter, heating and cooling, R32 Refrigerant Gas (or any other environmentally friendly gas), comfortable airflow, indoor unit quiet operation, efficient energy consumption, heating function till 4°C ambient, integrated stabilizer - inside Operation (No AVS Required), auto clean, 16,000 BTU; as per the engineer's instructions with all the connections, accessories and the required wiring (minimum 2.5mm²). This to include surge protector. External unit to be wall mounted at a minimum height 0.9m from final ground level of with approved steel brackets. | 2   | NO.  |            |              |
| 7.18 | Supply and install 6" extractor fan; quiet fan, timer and 200mm duct. Cost to include cable, switch and all accessories   | 2   | NO.  |            |              |
|      | <u>Earthing system</u>  |     |      |            |              |
| 7.19 | Supply, install, connect and test the following earthing system complete as described in the specifications with all necessary accessories 3mm x 30mm Earth copper rods; 1.5m length, 19mm diameter 16mm² copper wire galvanised strip welded to foundation   | 1   | LS   |            |              |
|      | <b>ELECTRICAL INSTALLATION SUB-TOTAL CARRIED TO COLLECTION</b>  |     |      |            |              |
|      | <b><u>COLLECTION</u></b>  |     |      |            |              |
|      | <b>Brought forward from page 10</b>   |     |      |            |              |
|      | <b>Brought forward from page 11 above</b>   |     |      |            |              |
|      | <b>TOTAL FOR ELECTRICAL INSTALLATION CARRIED TO MAIN SUMMARY</b>  |     |      |            |              |

| ITEM                                     | SUMMARY   | AMOUNT |
|--|---|--------|
| 1  | ELEMENT NO.1: SUBSTRUCTURES                     |        |
| 2  | ELEMENT NO.2: SUPERSTRUCTURE                    |        |
| 3  | ELEMENT NO.3: ROOF CONSTRUCTION AND FINISHES    |        |
| 4  | ELEMENT NO.4: DOORS AND WINDOWS                 |        |
| 5  | ELEMENT NO.5: FINISHES                          |        |
| 6  | ELEMENT NO.6: SANITARY AND PLUMBING WORKS       |        |
| 7  | ELEMENT NO.7: ELECTRICAL AND INSTALLATION WORKS |        |
| TOTAL COST FOR 2 NOS. ACCOMODATION UNITS |   |        |