

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>PROPOSED MALE HOSTEL CAPIO ENUGU</u> <u>OJI RIVER L.G.A ENUGU</u> PRELIMINARIES AND GENERAL CLAUSES</p>				
	<p><u>Conditions of Contract</u></p> <p>The Articles of Agreement and Conditions of Contract are set out in full in previous pages of this document. The Contractor is referred to the clauses therein and enumerated below and he is to allow here and his tender against each item the cost of fulfilling all obligations and liabilities contained therein</p>				
	<p><u>Clause Nr.</u></p>				
A	Contractor's Obligations				
B	Architect's/S.O's Instructions				
C	Contract Documents				
D	Statutory Obligations, notices, fees and charges				
E	Levels and setting out of the Works				
F	Materials, goods and workmanship to conform to description, testing and inspection				
G	Royalties and patent rights				
H	Foreman-in-charge				
J	Access for Architect/S.O to the Works				
K	Clerk of Works				
L	Variations, provisional and prime cost sums				
M	Contract Bills				
N	Contract Sum				
O	Unfixed goods and materials				
P	Practical completion and defects liability				
Q	Sectional completion				
R	Assignment or sub-letting				
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Preliminaries</u>				
	<u>Conditions of Contract (Cont'd)</u>				
	Clause Nr.				
A	Injury to persons and property and Employer's indemnity				
B	Insurance against injury to persons and property				
C	Insurance of the Works against fire, etc				
D	Possession, completion and postponement				
E	Damages for non-completion				
F	Extension of time				
G	Loss and expense caused by disturbance of regular progress of the works				
H	Determination by the Employer				
J	Determination by Contractors				
K	Nominated sub-contractors				
L	Nominated suppliers				
M	Artist and Tradesmen				
N	Certificates and payments				
O	Fluctuations (not applicable)				
P	Outbreak of hostilities				
Q	War Damage				
R	Antiquities				
S	Arbitration				
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>Preliminaries</p> <p><u>Visit Site and Scope of Works</u></p> <p>A The Contractor is advised to visit and inspect the site and to make himself thoroughly and completely informed as to the condition of the site in its present state, the nature of the ground and the full extent and character of the Works to be executed, means of access and storage space, the conditions affecting the supply of labour and the availability and supply of water. No claim of extra payment above the Contract Sum will be paid to the Contractor for want of knowledge of any conditions affecting the execution of the Works.</p> <p>B A geological report has been prepared and is available for inspection at the Architect's/S.O's office.</p> <p><u>Bills of Quantities</u></p> <p>C The pricing, moneying out and totalling of these Bills of Quantities is to be in <u>INK</u> throughout and is to be in Nigerian currency. The Bills of Quantities shall not be used for ordering materials. Any discrepancies found between the quantities or description in the Bills and those to be ordered are to be reported to the Quantity Surveyor immediately.</p> <p><u>Drawings</u></p> <p>D All drawings, tracings, photo prints, etc., are the sole property of the Architect/S.O and must be returned to him upon completion of the Works.</p> <p>E The Contractor shall check the whole of the dimensions on site and if any discrepancy is found between the drawings and conditions on site, he shall notify the Architect/S.O immediately and request instructions.</p> <p>F The Contractor shall provide and do everything necessary for the proper execution of the Works according to the true intent and meaning of the drawings, whether the same may or may not be particularly shown on the drawings, provided that the same is reasonably to be inferred there from. Figured dimensions are to be followed in preference to scaled dimensions.</p>				
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Preliminaries				
	<u>All-Risk Insurance</u>				
A	The Contractor shall obtain insurance cover against the cost of unforeseen loss or damage to the works, injury to persons during the construction period				
	<u>Setting Out</u>				
B	The Contractor shall accurately set out the Works and include for providing all pegs, templates, instruments and labour necessary for so doing and as required by the Architect/S.O for checking this work				
D	Allow for providing when required on the site, a 'Dumpy' or 'Precise' type level, complete with tripods and staff and allow for the free use of the levelling equipment by the Consultants				
	<u>Site Accomodation</u>				
E	Allow for providing a suitable weatherproof office on the site for use of the Foreman-in-charge and other site staff and include for provising necessary furniture and lighting and clear all away on completion.				
F	Allow for providing a temporary hut for the watchman complete with lighting and necessary furniture and clear away on completion.				
G	Allow for providing and maintaining all necessary temporary buildings for storage and protection of goods and materials on site and other works that may be brought or executed on the site including the tools and materials of sub-contractors and remove on completion. Sheds for the storage of cement are to have floors raised from ground.				
	<u>Site Accommodation for Employer's Representatives</u>				
H	Allow for providing a suitable weather proof office for the Clerk of Works and Consultants, having adequate spaces and providing air-conditioning, attached separate sanitary and washing facilities compising wash basin, W.C and shower; furniture lighting and attendance and clearing away on completion. The furniture shall include drawing tables, plan chests, desks with drawers, cupboards and site meeting table for twelve complete with twelve chairs				
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>Preliminaries</u></p> <p><u>Electricity</u></p> <p>A Allow for providing all temporary lighting and power for the works including that for use by special tradesmen and sub-contractors; paying all fees and charges and providing all necessary temporary mains and clearing away and making good on completion</p> <p><u>Water</u></p> <p>B Allow for providing all water required for the works including that for sub-contracts. The water is to be clean, fresh water.</p> <p>C Allow for executing all temporary plumbing and paying all fees and charges incurred in the connection and supply of the water for building purposes and the removal of all temporary plumbing on completion</p> <p><u>Temporary Works</u></p> <p>D The Contractor shall ensure that all temporary electrical, water and other installations are executed in accordance with the requirements of the Authorities concerned</p> <p><u>Temporary Fencing and Access Roads</u></p> <p>E Allow for any necessary temporary access roads, crossovers, gangways, gates, entrances and the like required, maintain and clear away and make good on completion</p> <p>F Allow for adequate temporary security fencing to the perimeter of the site, maintain and clear away and make good on completion</p> <p><u>Welfare and Safety</u></p> <p>G Allow for providing adequate latrine accommodation and keeping same in clean and sanitary condition</p> <p>H Allow for providing sheds and workshops for the use of the workmen on the site and maintaining subsequently dismantling and carting away on completion and allow for providing and maintaining welfare and safety measures and amenities of a suitable standard approved by the Architect/S.O or required by the Authorities</p> <p>J The Contractor is to provide on site a first aid box of cupboard prominently marked with the words 'First Aid' for the purpose of treating any of his employees injured on site. The contents of this box or cupboard are to comply in all respects with the Factories Ordinance. The Contractor is to ensure that there is an always adequate stock in the first aid box or cupboard which is to be produced and opened for the inspection of the Architect/S.O on request</p>				
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Preliminaries</u>				
	<u>Watching and Lighting</u>				
K	Allow for providing all necessary guards, day and night watchman and lighting for the protection of the Works and the safety of the public				
	<u>Hoardings and Barriers</u>				
A	Allow for providing all fans, gantries, hoardings, guard rails, barriers, or any other form of special protection to all sides of the buildings and site as necessary to protect adjoining property, persons, vehicles and the like from injury, and remove when no longer required or when instructed by the Architect/S.O and make good any damage				
	<u>Ordering of Materials</u>				
B	Upon receipt of the order to commence the Works, the Contractor shall immediately place orders for all required materials and will be held responsible for any delays occurring due to the late placing of such orders				
C	The Contractor shall, if so requested by the Architect/S.O make available to him all documents in connection with the ordering of materials for the Works, showing agreed delivery dates, sources of supply and the like				
D	If upon receiving quotations for any material required for the Works it appears that delivery by the dates quoted will delay the Works, the Contractor shall inform the Architect/S.O of this fact before placing the orders				
	<u>Time and Progress</u>				
E	The Works shall be proceeded with in such sections and sequences as will affect completion of all works within the time for completion or as directed by the Architect/S.O				
F	Immediately upon signing the Contract, or before signing the Contract, if requested, the Contractor shall in collaboration with sub-contractors submit to the Architect/S.O for acceptance programme and progress charts to cover all activities on the site and shall record progress thereon throughout the execution of the Works.				
G	The Contractor shall arrange for representatives to attend site meetings as and when reasonably required by the Architect/S.O and shall provide seating and other necessary facilities for such meetings				
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
H	<p>The Contractor's attention is drawn to his responsibility for the co-ordination and programming of sub-contractor's work. The Contractor is expected to arrange suitable programme with his sub-contractor and to check regularly that such programmes are adhered to. Where delays arise in connection with sub-contract works the Contractor will be expected to have been aware of such at an early stage and to have taken the appropriate action defined in the sub-contract document by the giving of such notices as may be required in preparation for the determination of same. Determination shall not be effected without the prior consent of the Architect/S.O but requests for extensions of the Contract period on the grounds of delay by sub-contractors will not be considered unless the Contractor can establish requirements.</p> <p><u>Progress Photographs</u></p>				
J	<p>Allow for providing six (6) copies of post card prints of each of the photographs taken for all areas of progress recorded monthly</p> <p><u>Materials found on Site</u></p>				
A	<p>Any sand, laterite, gravel, or other building materials discovered on the site shall be the property of the Employer and shall not be used in the construction of the Works without the prior written consent of the Architect/S.O. The market price of the materials so used shall be allowed to the Employer by the Contractor and the Contract Sum adjusted accordingly. Previous articles or antiquities found on the site shall be the property of the Employer and shall be handed over to the Architect/S.O</p> <p><u>Scaffolding and Plant</u></p>				
B	<p>Allow for providing all scaffolding, hoists, tackle and other plant, profile, templates, centrings and equipment generally required for the proper, safe and efficient execution of the Works including sub-contract works and providing all labour and things required by the Architect/S.O for testing and measuring the Works and for weighing, measuring or testing the efficiency of any portion of the Works.</p>				
D	<p>Allow for providing all gangways, walkways, planing, decking, temporary platforms, etc, necessary to construct and afford access to or between all parts of the Works</p> <p><u>Records</u></p>				
E	<p>Allow for keeping such books, accounts and other documents and records as are necessary to show the increase in costs incurred or the reductions obtained under Clause 31 of the Conditions of Contract and furnishing such books, accounts, documents and record to the Quantity Surveyor or other person authorised to receive them at monthly intervals or as requested throughout the duration of the Contract</p>				
To Collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>Preliminaries</u></p>				
F	<p>In the event of adjustment arising under Clause 31 of the Conditions of Contract, the Contractor shall submit monthly fully priced out and totalled statements showing the total adjustments claimed, together with separate sheets relating individually to the various sub-contractors</p>				
	<p><u>Protection of the Works</u></p>				
G	<p>Allow for covering up and protecting from injury from weather or from any cause, all new work, also for supplying all temporary doors, protection to windows and any other requisite protection for the whole of the Works executed whether by the Contractor or special tradesmen or sub-contractors and any damage caused must be made good by the Contractor at his own expense</p>				
H	<p>During inclement weather the Contractor shall suspend such parts of the Works for such time as the Architect/S.O may decide and shall protect from injury all works then in the course of erection</p>				
	<p><u>Tests and Samples</u></p>				
A	<p>Allow for carrying out tests of any materials, either before or after use in the works and providing samples of all materials and specimens of colours for approval as required by the Architect/S.O before use or application in the Works</p>				
	<p><u>Covering Up</u></p>				
B	<p>No Work shall be covered up until it has been examined and approved by the Architect/S.O.</p>				
C	<p>In the case of work executed against provisional quantities in the Bills of Quantities (and therefore subject to measurement) the Contractor shall notify the Quantity Surveyor before proceeding to cover up the Works</p>				
	<p><u>Opening Up</u></p>				
D	<p>The Contractor shall, at the request of the Architect/S.O open up for inspection any work covered and should the Contractor refuse or fail to comply with such request, the Architect/S.O may employ other workmen to open up same.</p>				
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Preliminaries</u>				
	<u>Existing Installations</u>				
E	Allow for protecting and maintaining all pipes, ducts and cables met in excavations, for keeping all ditches, gullies and channels clear and unobstructed and for making good any damage caused to public or private roads, kerbs and drains and paying all costs and charges incurred				
	<u>Protection of Existing Structures and Installations</u>				
F	Allow for the protection of all existing structures and installations within and adjacent to the site as the works progress. Sum to be expended as directed				
	<u>Temporary Storm Water Drainage</u>				
G	Allow for ensuring that the whole of the site is kept free from the risk of storm water-flooding and providing such temporary ditches, gullies and the likes as may be necessary and for subsequently backfilling such excavations and making good. Any damage arising from non-compliance with this clause is to be made good at the Contractor's own expense				
	<u>Direct Payment by Employer for Items covered by P.C or Provisional Sums</u>				
A	The Employer reserves the right to supply and pay direct for any items covered in this Contract by P.C or Provisional Sums				
B	No adjustment will be made to the Contractor's profit and attendance on P.C Sums (whether expressed as a lump sum or as a percentage) should this right be exercised.				
	<u>Advertisements</u>				
C	The Contractor shall not display, or permit the display of any advertisement within the boundaries of the site or upon any temporary fencing, hoardings, plant, etc., save upon the written instructions of the Architect/S.O				
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Preliminaries</u>				
	<u>Site Board</u>				
D	Provide and erect a site board showing the title of the Contract, names and addresses of the Consultants, Nominated Suppliers and Sub-Contractors and such other information as may be required by the Architect/S.O who shall approve the design layout and colours of the board. Lettering shall be 'cut-out' plywood or plastic of an approved thickness, and shall be 100mm high for the main title, and 50mm or 38mm high elsewhere. The whole board shall be maintained in good condition, repainted as necessary, and removed when no longer required				
	<u>Clearing Rubbish</u>				
E	Allow for clearing away all shavings, cuttings and other rubbish as it accumulates from time to time during the progress of the Works and on completion, including that of sub-contractors and special tradesmen and the disposal of all materials condemned by the Architect/S.O.				
	<u>Cleaning on Completion</u>				
F	Allow for cleaning down the whole of the premises including cleaning glass both sides and cleaning off all floors, pavings, metalwork, finishings and fittings throughout, touching up generally and removing all stains, dirt and surplus materials and rubbish and leaving the Works and site in a clean tidy condition and ready for immediate use, with all damage to property, roads paths and drains, etc., made good to the satisfaction of the Architect/S.O				
	<u>Defects after Completion</u>				
G	Allow for inspecting the Works at the end of the Defects Liability Period and making good all defects in accordance with Clause 15 of the Conditions of Contract. Allow also for inspecting and making good such defects as may be of an urgent nature during the Defects Liability Period				
	<u>Exterminate and prevent pests</u>				
H	Allow for effectively destroying all vermin, insects and pests to the whole area of the site and taking all preventive measures to maintain the site in a clean and sanitary condition on the satisfaction of the Architect/S.O				
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Preliminaries</u></p> <p><u>As-Built Drawings</u></p> <p>Contractor to allow for the provision of AS-BUILT drawings for the entire works/installation at the end of the project</p>				
	To Collection		-		
	<p><u>Preliminaries</u></p> <p><u>Collection</u></p> <p style="text-align: right;">Page 1/2</p> <p style="text-align: right;">Page 1/3</p> <p style="text-align: right;">Page 1/4</p> <p style="text-align: right;">Page 1/5</p> <p style="text-align: right;">Page 1/6</p> <p style="text-align: right;">Page 1/7</p> <p style="text-align: right;">Page 1/8</p> <p style="text-align: right;">Page 1/9</p> <p style="text-align: right;">Page 1/10</p> <p style="text-align: right;">Page 1/11</p> <p style="text-align: right;">Page 1/12</p>		-		
	PRELIMINARIES		-		
	TOTAL CARRIED TO GENERAL SUMMARY		-		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED MALE HOSTEL CAPIO ENUGU</u>				
	<u>OJI RIVER L.G.A ENUGU</u>				
	<u>ELEMENT NO.1</u>				
	<u>SUBSTRUCTURE</u>				
	<u>(ALL PROVISIONAL)</u>				
	<u>Site Preparation</u>				
A	Clear site of scrubs and flowering plants	2724	Sq.m		
	<u>Excavation:</u>				
B	Excavate to remove vegetable soil, average 150mm deep deposit in heaps where directed not exceeding 20m	2255	Sq.m		
C	Excavate foundation starting from existing level not exceeding 2.0m deep	343	Cu.m		
D	Ditto column pit commencing from stripped level not exceeding 2.0m deep	630	Cu.m		
	<u>Filling:</u>				
E	Earth backfilling around excavation	541	Cu.m		
F	300mm bed of hardcore in making-up levels	811	Sq.m		
G	Compacted sand filling in 300mm layers.	203	Cu.m		
	<u>Disposal</u>				
H	Remove surplus excavated materials from site maximum heap distance not exceeding 10m	432	Cu.m		
	<u>Concrete Work:</u>				
	<u>Plain in-situ concrete (mix 1:4:8) in:</u>				
J	Blinding not exceeding 50 - 100mm thickness	20	Cu.m		
	<u>Protection</u>				
K	Protect all works in this Element		Item		
	Carried to Collection				
					₦

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Plain in-situ concrete (mix 1:3:6) in:</u>				
A	Foundations not exceeding 230mm thickness	63	Cu.m		
	<u>Reinforced concrete mix 1:2:4-20mm aggregate in:</u>				
B	Column bases	180	Cu.m		
C	Columns	9	Cu.m		
D	Ground Beam	41	Cu.m		
E	Ground floor slab not exceeding 150mm thickness	146	Cu.m		
	<u>Reinforcement:</u>				
	<u>High tensile bar reinforcement in column, Column base, etc.</u>				
F	12mm diameter in column bases	11.70	tons		
G	20mm diameter in columns	5.24	tons		
H	8mm diameter ditto as links and stirrups	0.39	tons		
J	12mm diameter in Ground Beams	3.30	tons		
K	8mm diameter ditto as links and stirrups	0.93	tons		
	<u>Mesh</u>				
L	B.R.C. Mesh fabric reinforcement, Ref A193 weighing 3.02 Kg/M2 in reinforced concrete Slab/Ramp laid to lap 75mm all round (area Measured net)	811	Sq.m		
	<u>Sawn Formwork to:</u>				
M	Sides of column base 0.45 - 0.60Sq.m sectional area	301	Sq.m		
N	Sides of column	175	Sq.m		
P	Sides of Ground Beams	353	Sq.m		
Q	Ground floor slab not exceeding 150mm high	360	Lin.m		
	<u>Protection</u>				
R	Protect all works in this Element		Item		
	Carried to Collection				
					N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Blockwork:</u> 225mm Hollow blockwall with cavity filled solid with weak concrete as work proceeds in foundation</p>	779	Sq.m		
B	<p><u>Mastic asphalt tanking/damp proof membrane:</u> Flooring and underlay; 0.15mm thick polythene damp proof membrane width exceeding 300mm.</p>	811	m ²		
C	25mm fibre board filler embedded in expansion joint	29	m ²		
D	<p><u>Protection</u> Protect all works in this Element</p>		Item		
	Carried to Collection				N
	<u>COLLECTION</u>				
	Page MH /12				
	Page MH/13				
	Page MH /14				
	<p><u>ELEMENT NO.1:</u> <u>SUBSTRUCTURE</u> <u>CARRIED TO SUMMARY</u></p>				N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>FRAMES</u>				
	<u>Concrete Work:</u>				
	<u>Reinforced concrete (mix 1:2:4-20mm aggregate) in:</u>				
A	Columns 0.03 - 0.1mm ² cross sectional area	68	Cu.m		
B	Beam	83	Cu.m		
	<u>High tensile bar reinforcement bars in,</u>				
C	20mm diameter ditto in Columns	6.12	tons		
D	16mm diameter ditto in Columns	7.15	tons		
E	8mm diameter ditto in links and stirrups	2.13	tons		
F	25mm diameter ditto in Beam	0.89	tons		
G	20mm diameter ditto in Beam	3.56	tons		
H	16mm diameter ditto in Beam	11.44	tons		
J	12mm diameter ditto in Beam	1.52	tons		
K	8mm diameter ditto in beam links	4.73	tons		
	<u>Sawn Formwork to:</u>				
L	Sides of columns	1,030	Sq.m		
M	Soffits of beams	974	Sq.m		
N	25mm fibre board filler embedded in expansion joint	84	Sq.m		
	<u>Protection</u>				
P	Protect all works in this Element		Item		
	<u>ELEMENT NO.2</u>				
	<u>FRAMES E.T.C.</u>				
	<u>CARRIED TO SUMMARY</u>				
					₦

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3</u>				
	<u>UPPER FLOOR SLAB</u>				
	<u>Concrete Work:</u>				
	<u>Reinforced concrete (mix 1:2:4-20mm aggregate) in:</u>				
A	Slab	270	Cu.m		
	<u>High tensile bar reinforcement bars in,</u>				
B	12mm diameter ditto in Slab	18.81	tons		
C	10mm diameter ditto in Slab	1.59	tons		
	<u>Sawn Formwork to:</u>				
D	Soffit of slab	1,472	Sq.m		
E	Edges of suspended slab not exceeding 150mm high	720	Lin.m		
F	25mm fibre board filler embedded in expansion joint	12	Lin.m		
	<u>Protection</u>				
G	Protect all works in this Element		Item		
	<u>ELEMENT NO.3</u>				
	<u>UPPER FLOOR SLAB</u>				
	<u>CARRIED TO SUMMARY</u>				
					₹

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	<u>STAIRCASE</u>				
	<u>Concrete Work:</u>				
	<u>Reinforced concrete (mix 1:2:4-20mm aggregate) in:</u>				
A	Starter beams	2	Cu.m		
B	Staircase Waist	12	Cu.m		
C	Staircases Treads and Risers	7	Cu.m		
D	Landing (150 - 300mm thickness)	8	Cu.m		
E	Staircase beam	2	Cu.m		
	<u>High yield reinforcement bar in staircases, etc.</u>				
F	12mm diameter in staircase	3.20	tons		
G	10mm diameter in staircase	0.95	tons		
H	12mm diameter in beam	0.12	tons		
J	8mm diameter ditto as links and stirrups	0.04	tons		
	<u>Sawn formwork to:</u>				
K	Sides of starter beam	5	Sq.m		
L	Sloping soffit of staircase	81	Sq.m		
M	Soffit of landing	46	Sq.m		
N	Sides and soffit of beam	26	Sq.m		
P	Riser of staircases 150mm high	286	Lin.m		
Q	Edges of staircase cut to profile not exceeding 150mm high	68	Lin.m		
R	Edges of landing	82	Lin.m		
	<u>Protection</u>				
S	Protect all works in this Element		Item		
	<u>ELEMENT NO. 4</u>				
	<u>STAIRCASES</u>				
	<u>CARRIED TO SUMMARY</u>				
					₺

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5</u> <u>EXTERNAL WALLS</u>				
	<u>Reinforced in-situ concrete (1:2:4-20mm aggregate)</u> <u>developing minimum 21N/Sq.mm works strength at</u> <u>28 days in:</u>				
A	Lintel	45	Cu.m		
	<u>High yield reinforcement bar in Lintels.</u>				
B	16mm Diameter bar	8.53	ton		
C	12mm Diameter bar	2.40	ton		
D	8mm diameter ditto as links and stirrups	0.36	ton		
	<u>Sawn formwork to:</u>				
E	Sides and soffit of lintel	582	Sq.m		
	<u>Sandcrete hollow blockwork (1:4) cement and sand</u> <u>laid in stretcher bond with (1:4) cement mortar in:</u>				
F	225mm Wall	2,174	Sq.m		
	<u>Protection</u>				
G	Protect all works in this Element		Item		
	<u>ELEMENT NO. 5</u> <u>EXTERNAL WALLS</u> <u>CARRIED TO SUMMARY</u>				
					₦

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 6</u> <u>INTERNAL WALLS</u>				
	<i><u>Reinforced in-situ concrete (1:2:4-20mm aggregate)</u></i> <i><u>developing minimum 21N/Sq.mm works strength at</u></i> <i><u>28 days in:</u></i>				
A	Lintel	10	Cu.m		
	<i><u>High yield reinforcement bar in Lintels.</u></i>				
B	12mm Diameter bar	0.75	ton		
C	8mm diameter ditto as links and stirrups	0.25	ton		
	<i><u>Sawn formwork to:</u></i>				
D	Sides and soffit of lintel	131	Sq.m		
	<i><u>Sandcrete hollow blockwork in cement mortar as</u></i> <i><u>before described in:</u></i>				
E	225mm Wall	2,300	Sq.m		
	<u>Protection</u>				
F	Protect all works in this Element		Item		
	<u>ELEMENT NO. 6</u> <u>INTERNAL WALLS</u> <u>CARRIED TO SUMMARY</u>				
					₦

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.7</u>				
	<u>ROOF</u>				
	<u>Concrete Work:</u>				
	<u>Reinforced concrete (mix 1:2:4-20mm aggregate) in:</u>				
A	Roof Beam	49	Cu.m		
B	Roof slab	5	Cu.m		
	<u>High tensile bar reinforcement bars in beams</u>				
C	16mm diameter bars in roof beam	6.07	ton		
D	12mm diameter bars in roof beam	0.08	ton		
E	12mm diameter bars in roof slab	0.62	ton		
F	10mm diameter bars in roof slab	0.02	ton		
G	8mm diameter ditto as links and stirrups	1.48	ton		
	<u>Sawn Formwork to:</u>				
H	Sides and soffit of beams	583	Sq.m		
J	Soffit of slab	28	Sq.m		
K	Edges of suspended slab not exceeding 150mm high	30	Lin.m		
	<u>Roof Coverings:</u>				
	<u>Corrugated or Troughed Sheet Roofing.</u>				
L	0.55mm thick oven baked colour coated one side aluminium roofing covering laid to slope not exceeding 35 degrees from horizontal with one half corrugation side laps and 200mm end lap and fixing to hardwood purlin (Measured separately) with aluminium nails and washers measured nett.	1,801	Sq.m		
M	Ditto cladding	220	Sq.m		
N	Ditto ridge cap ditto	147	Lin.m		
P	Ditto trimming	367	Lin.m		
	Carried to Collection				
					N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>WOOD WORK</u>					
<u>Treated Structural Hardwood:</u>					
A	100 x 75mm wall plate	440	Lin.m		
B	50 x 150mm Rafter	1,592	Lin.m		
C	50 x 150mm Tie beam	588	Lin.m		
D	50 x 150mm Struts	1,002	Lin.m		
E	50 x 100mm Purlins	860	Lin.m		
F	Noggings 50 x 50mm	2,679	Lin.m		
G	6mm Diameter bar 1800mm long tying wiret, part cast in concrete roof beamand lintel to hold wall plate in position	220	No		
<u>Protection</u>					
H	Protect all works in this Element		Item		
Carried to Collection					
<u>COLLECTION</u>					
Page MH /20					
Page MH /21					
<u>ELEMENT NO 7</u>					
<u>ROOF</u>					
<u>CARRIED TO SUMMARY</u>					

₦

₦

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.9</u>				
	<u>PLUMBING INSTALLATION (Provisional)</u>				
	<u>Sanitary fittings</u>				
	<u>Supply and fix the following sanitary fittings including assembling and jointing up to services.</u>				
A	Low level W.C. Suit to comply with B.S. 1213 consisting of 'P' or 'S' trap solid black plastic ring seat and cover, hinges; 11.50 litres capacity vitreous china cistern with cover, handle pair of brackets flush pipe etc.	79	No		
B	Vitreous 450 X 195mm Wall mounted semi - pedestal wash hand basin c/w single central taphole and overflow ceramic disc monoblock with swivel spout and pop- up waste, bottle trap, crystal handle and all other accessories	79	No		
C	Ditto bath tub	79	No		
D	10litre capacity Ariston water heater	79	No		
E	Chrome plated toilet roll holder	79	No		
F	50mm Diameter trapped floor drain complete with trap and flat grating.	79	No		
	<u>Fittings and Accessories</u>				
G	Set of Atlas or Dab water transfer pump (1 duty, 1 standby) 3.0HP complete with in-line pressure switch and protection devices	1	No		
H	6000 litres capacity GEEPEE water storage Tank	4	No		
	Carried to Collection				
					₦

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SOIL WASTE PIPE & FITTINGS</u>				
	PVC Pipes to B. S. 4514				
A	100mm Diameter	892	Lin.m		
B	50mm Diameter	652	Lin.m		
	PVC Bends B. S. 5255				
C	100mm Diameter	56	No		
D	50mm Diameter	42	No		
	PVC Clips				
E	100mm Diameter	42	No		
F	50mm Diameter	42	No		
	PVC Vent Cowl				
G	100mm Diameter	14	No		
H	Tangit Sealing Compound		Lot		
	<u>WATER SUPPLY AND DISTRIBUTION</u>				
	PVC Pressure Pipes Class 'B' to B.S. 3284				
J	32mm Diameter	450	Lin.m		
K	25mm Diameter	20	Lin.m		
L	20mm Diameter	430	Lin.m		
M	15mm Diameter	200	Lin.m		
	PVC Pressure Tee				
N	32 x 25 x 32mm Diameter	8	No		
P	25 x 20 x 25mm Diameter	4	No		
Q	20 x 15 x 20mm Diameter	12	No		
	PVC Pressure Reducing Bush				
R	32 x 25mm Diameter	42	No		
S	25 x 20mm Diameter	14	No		
	PVC Pressure Elbow				
T	32mm Diameter	16	No		
U	25mm Diameter	14	No		
V	20mm Diameter	15	No		
W	15mm Diameter	240	No		
	Carried to Collection				
					N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Builders' Work</u>				
A	Include the Provisional Sum of ₦ 300,000.00 for Builder's work in connection with Plumbing Installation		Sum		300,000.00
	<u>Protection</u>				
B	Protect all works in this Element		Item		
	Carried to Collection			₦	300,000.00
	<u>COLLECTION</u>				
	Page MH /23				
	Page MH /24				
	Page MH /25				
	Page MH /26				300,000.00
	<u>ELEMEMENT NO.9</u>				
	<u>PLUMBING INSTALLATIONS</u>				
	<u>CARRIED TO SUMMARY</u>			₦	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMEMENT NO.10</u>				
	<u>ELECTRICAL INSTALLATIONS</u>				
	<u>POWER DISTRIBUTION EQUIPMENT</u>				
	<u>V20: LV Distribution.</u>				
	<u>Equipment; Metal clad Main Distribution Board surface/flush type as manufactured by ABB or approved equal including all MCB,back outlet connections to flush adaptable boxes,earth bonding,labels and fixing in accordance with manufacturer's instructions.</u>				
A	400A TP MCCB LV Panel complete with 1 x 400A TP incoming isolator and comprising 15nr 100A TPN & 3nr 200A MCCB, 1nr 10A SPN outgoing.. Make; MANE Nigeria.	1	No		
B	100A 6-Way TP& N MCB Distribution Board complete with 100A integral incoming isolator and comprising 14nr 10A stablock; 11nr 30A stablock; 5nr 20A stablock and 12nr spares.	15	No		
	<u>Equipment;Metal clad ELCB Board surface /flush type as manufactured by ABB or approved equal including all MCB, back outlet connections to flush adaptable boxes,earth bonding labels and fixing in accordance with manufacturer.</u>				
G	400A TP & N MCCB.	1	No		
G	200A TP & N MCCB.	3	No		
G	100A TP & N MCCB.	15	No		
H	100A TP & N Switch fuse	15	No		
J	100A TP&N Change Over Switch (MEM)	15	No		
	Carried to Collection				
					N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	1 x 16mm ² PVC copper earth cable	60	Lin.m		
B	Earthing of distribution boards		Lot		
C	Allow for earthing of the entire installation		Lot		
	<u>Electrical Fittings</u>				
	<u>V21: General lighting.</u>				
	<u>Lamp and luminaries; lighting fittings as manufactured by THORN or approved equal fixed to soffit including all necessary for complete installation.</u>				
	<u>Lighting , conduits/wiring.</u>				
D	1 x 60W bulkhead lighting fittings	26	No		
E	1 x 20W Energy serving compacted flourescent lighting fitting	72	No		
F	1 x 20W screw neck opal satin etched bowel lighting fitting	316	No		
G	1 x 40w compacted fluorescent	161	No		
H	1 x 20W Staircase Lighting fitting	54	No		
J	1400mm, 240 volts, 50Hz, ORL or other equal and approved ceiling fan complete with Regulator	90	No		
K	300 X 300mm Extrator fan	79	No		
	<u>V22: GENERAL LV Power.</u>				
	<u>Final circuit;PVC insulated and colour coded copper cable drawn into 20 diameter concealed UPVC conduit;rates to include for all cables and conduits for switches, sockets and other accessories for complete installation.</u>				
	<u>Cables and Conduits in final circuits.</u>				
L	13A double Switch socket outlets	180	No		
	Carried to Collection				
					₦

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Y61: HV/LV cable and wiring.</u> <u>Cables;PVC insulated cable as manufactured by NOCACO</u> <u>or approved equal drawn into conduits or ducts or laid into</u> <u>truncking or laid in trenches including cable loops, terminators,</u> <u>glands and all other accessories.</u>				
A	2x 1c 1.5mm ² PVC copper cable.	8,197	Lin.m		
B	3x 1c 2.5mm ² PVC copper cable.	12,650	Lin.m		
C	4c x 10mm ² PVC copper cable.	16	Lin.m		
D	4c x 16mm ² PVC copper cable.	19	Lin.m		
E	4c x 50mm ² PVC copper cable.	45	Lin.m		
F	4c x 185mm ² PVC copper cable.	30	Lin.m		
	<u>Y74: Accessories for Electrical services.</u> <u>Final Circuit;PVC insulated and colour coded copper</u> <u>cable drawn into 20 diameter concealed UPVC conduit;</u> <u>rates to include for all cables and conduits for lighting</u> <u>points,switches and other accessories for complete</u> <u>installation,ABB or approved equal.</u>				
G	5A 1gang 1 way single pole switch	130	No		
H	5A 2 gang 1 way single pole switch	20	No		
	<u>V32: Earthing and lightning Protection.</u> <u>Ancillary; supply and installation earthing and lightning</u> <u>protection system.</u> <u>Air Terminator</u>				
J	Indellec non radio active lightning arrestor; P2 type complete with 6000 high pole and stray.	1	No		
	Carried to Collection				
					N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Tapes</u>				
A	3 x 25; embedded in roof and wall to ground.	130	Lin.m		
B	Allow for the following in Earth terminations		sum		
C	Earth maths	1	No		
D	1200mm Earth rod	1	No		
E	Test clamps	1	No		
F	2 way /4w joints	40	Lin.m		
G	Conductor clamps	1	No		
H	Protection sheats.	1	No		
	<u>FIRE ALARM SYSTEM:</u>				
J	Ionizing smoke detector - Addressable (Digital)	90	Sets		
K	Break Glass - Addressable	18	No		
L	Sounder - Addressable	12	No		
M	8 Zone Smoke Detector Panel	1	No		
	<u>Builder's Work</u>				
N	Include the Provisional Sum of ₦ 500,000.00 for Builder's work in connection with Electrical Installations				500,000.00
	<u>Protection</u>				
P	Protect all works in this Element		Item		
	Carried to Collection			₦	500,000.00
	<u>COLLECTION</u>				
	Page MH /27				
	Page MH /28				
	Page MH /29				
	Page MH /30				500,000.00
	<u>ELEMENT NO.10</u>				
	<u>ELECTRICAL INSTALLATIONS</u>				
	<u>CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>ELEMENT NO.11</u> <u>FITTINGS AND FIXTURES (Provisional)</u>					
<u>Supply and fix the following handrails:</u>					
A	38mm x 38mm x 1.0mm thick round iron section hand rails fixed at about 300 intermediate in Staircase as directed	70	Lin.m		
<u>Burglary proof:</u>					
<u>Supply and fix the following burglary proof:</u>					
B	Ditto 1500 x 1200mm high	96	No		
C	Ditto 600 x 600mm high	7	No		
<u>ELEMENT NO.11</u> <u>FITTINGS AND FIXTURES (Provisional)</u> <u>CARRIED TO SUMMARY</u>					
					₦

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.12				
	FLOOR, WALL AND CEILING FINISHES				
	Floor :				
A	42mm cement and sand (1:4) screeded bed in floor to receive tiles	2,204	Sq.m		
B	Ditto, Landing	46	Sq.m		
C	Ditto, Treads	343	Sq.m		
D	Ditto, Risers	286	Lin.m		
E	Ditto, skirting	1,692	Lin.m		
	<u>High quality vitrified floor tiles", 400 x 400 x 6mm; on cement and sand screeded bed ,straight butt joint, flush pointing with white grout.</u>				
F	15mm Tile flooring	2,062	Sq.m		
G	Ditto, Landing	46	Sq.m		
H	Ditto, Treads	343	Sq.m		
J	Ditto, Risers	286	Lin.m		
K	15mm Skirting 115mm high (ditto)	1,692	Lin.m		
	<u>Wall :</u>				
	<u>12mm cement and sand (1:3) plain rendering on concrete or blockwork</u>				
L	Internal Walls	3,994	Sq.m		
M	Internal Walls not exceeding 300mm wide.	391	Lin.m		
N	12mm screeded backing to receive wall tiles	1,127	Sq.m		
P	External Walls	2,591	Sq.m		
Q	External Walls not exceeding 300mm wide.	1,206	Lin.m		
	<u>Wall Tiles</u>				
R	300 x 300 x 6mm white glazed ceramic wall tilling to B.S 1281 bedded, jointed and pointed in white cement mortar.	1,127	Sq.m		
	Carried to Collection				
					N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Ceiling :</u>				
	<u>12mm cement and sand (1:3) plain rendering on concrete or blockwork</u>				
A	Soffit of slab	1,270	Sq.m		
B	Sloping soffit of staircase	81	Sq.m		
C	Soffit of landing	46	Sq.m		
D	Sides and soffit of landing beam	26	Sq.m		
E	Ditto floor beam	975	Sq.m		
F	Edges of landing and slopping sides of staircase	150	Lin.m		
	<u>Suspended Ceiling :</u>				
G	600 x 600 x 6mm Thick approved quality accoustic tile suspended ceiling with aluminium grid and hangers fix to noggings	895	Sq.m		
	Carried to Collection				N
	<u>COLLECTION</u>				
	Page MH /32				
	Page MH /33				
	<u>ELEMENT NO.12</u>				
	<u>FLOOR, WALL AND CEILING FINISHES.</u>				
	<u>CARRIED TO SUMMARY</u>				N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.13</u> <u>PAINING AND DECORATING.</u>				
	<u>Prepare and apply two coats of approved emulsion paint</u> <u>On Rendered Walls</u>				
A	Internal Walls	3,994	Sq.m		
B	Internal Walls not exceeding 300mm wide.	391	Lin.m		
C	Soffit of slab	1,270	Sq.m		
D	Sloping soffit of staircase	81	Sq.m		
E	Soffit of landing	46	Sq.m		
F	External Wall	2,591	Sq.m		
G	External Walls not exceeding 300mm wide.	1,206	Lin.m		
H	Ditto floor beam	975	Sq.m		
J	Edges of landing and slopping sides of staircase	150	Lin.m		
	<u>Protection</u>				
K	Protect all works in this Element		Item		
	<u>ELEMENT NO.13</u> <u>PAINING AND DECORATING</u> <u>CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>ELEMENT NO.14</u>					
<u>DRAINAGE WORKS.</u>					
A	Construct Spetic tank size 3900 x 2600 x 1800mm deep consisting of 225mm plain concrete (1:2:4- 20mm agg) in bed and 150mm thick cover ,225mm solid block wall and 15mm cement and water proof rendering internally 1300 x 750 x 50mm thick precast concrete (1:2:4-20mm agg) scum baffle wall complete with 600 x 450mm benched manhole at ends including all necessary formworks, reinforcement reinforcement and disposal	2	No		
B	Construct Soakway pit size 2200 x 2000 x 1600mm deep consisting of 225mm plain concrete (1:3:6- 40mm agg) in foundation,225mm hollow block wall filled up 600mm deep with approved clean rubble and and well graded natural stone complete with 100mm precast concrete (1:2:4-20mm agg) cover slab including all necessary formworks, reinforcement and disposal	2	No		
C	Construct inspection chambers size 450 x 450 x 600mm deep consisting of 150mm plain concrete (1:3:6- 40mm agg) in base,225mm solid block wall and 15mm cement and sand water proof rendering internally, 250mm deep benching and 75mm thick precast concrete (1:2:4-20mm agg) cover slab including all necessary formworks, reinforcement and disposal	19	No		
<u>Protection</u>					
D	Protect all works in this Element		Item		
<u>ELEMENT NO.14</u>					
<u>DRAINAGE WORKS.</u>					
<u>CARRIED TO SUMMARY</u>					
					N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED MALE HOSTEL CAPIO ENUGU</u> <u>OJI RIVER L.G.A ENUGU</u>				
	<u>SUMMARY</u>				
A	SUBSTRUCTURE				
B	FRAME				
C	STAIRCASE				
D	EXTERNAL WALLS				
E	INTERNAL WALLS				
F	ROOF				
G	DOORS AND WINDOWS				
H	PLUMBING INSTALLATIONS				
J	ELECTRICAL INSTALLATIONS				
K	FITTINGS AND FIXTURES				
L	FLOOR, WALL AND CEILING FINISHES				
M	PAINTING AND DECORATION				
L	DRAINAGE WORKS				
	<u>PROPOSED MALE HOSTEL CAPIO ENUGU</u> <u>OJI RIVER L.G.A ENUGU</u> <u>CARRIED TO GENERAL SUMMARY</u>				
					N

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED MALE HOSTEL CAPIO ENUGU</u> <u>OJI RIVER L.G.A ENUGU</u>				
	<u>GENERAL SUMMARY</u>				
A	PRELIMINARIES				
B	PROPOSED MALE HOSTEL CAPIO ENUGU				
	<u>SUB-TOTAL</u>				
D	<u>ADD:</u> CONTINGENCY SUM				10,000,000.00
	<u>SUB-TOTAL</u>				
E	<u>ADD:</u> VAT (7.5%)				
	<u>PROPOSED MALE HOSTEL CAPIO ENUGU</u> <u>OJI RIVER L.G.A ENUGU</u> <u>TOTAL ESTIMATED COST</u>				<u>N</u>