

ITEM	DESCRIPTION	QTY	RATE	AMOUNT
	PRELIMINARIES AND GENERAL CONDITION <u>PROPOSED ADMINISTRATIVE BUILDING</u> <u>FOR ADOLESCENT AND YOUTH FRIENDLY</u> <u>CENTER, ADO-EKITI, EKITI STATE,</u> <u>NIGERIA.</u> Visit to site 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 ground and the full means of access and storage space, the conditions affecting the supply of labour and the availability and supply of water. No claim for extra payment will be paid to the Contractor for want of knowledge of any condition affecting the execution of the works. Scope of Work B A brief outline of the description and scope of the work appears elsewhere in this document and the Contractor is to allow for any sum in respect of the scope or nature of the work. Bill of Quantities C The pricing, moneying out and totalling of these Bills of Quantities is to be in INK throughout and is to be in Nigerian currency. The Contractor is deemed to have included in his tender for the obligations and requirement in the Bills of Quantities whether or not he has priced all the items therein. The quantities set out in the Bills of Quantities are all provisional and each of the items comprised in the contract is subject to re-measurement. The Bills of Quantities shall not be used for ordering materials. The Contractor is deemed to have included for complying with these provisions. Drawings D All drawings, tracings, photoprints, etc. are the sole property of the Architect and must be returned to him upon completion of the work. To collection			
				200,000.00

A	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 immediately and request instructions.			
B	The Contractor shall provide and do everything necessary for the proper execution of the work according to the true intent and meaning of the drawings and specifications whether the same may or may not be particularly shown on the drawings, provided that the same is reasonably to be inferred therefrom. Figured dimensions are to be followed in preference to scaled dimensions.			
C	The Contractor shall allow here for mounting one complete set of both Architect's and Engineer's drawings on plywood or other suitable rigid panels and keeping them in good condition and replacing faded sets on site throughout the contract period.			50,000.00
D	The Contractor shall give adequate advance notice to the Architect of requirement with regards to instructions, detailed drawings, etc. and in the absence of advance written notification to the contrary it will be assumed that the progress of works is not affected by want of such.			250,000.00
	To collection			

A B C D E F	Before any work is commenced by sub-contractor, dimensions and level shall be checked on site and agreed with the sub-contractors irrespective of the comparable dimension shown on the drawings. The Contractor shall be responsible for the accuracy of the dimensions. All dimensions indicated on drawings are intended to be finished dimensions. The Contractor shall be responsible for the accurate positioning of builders work items required in connection with the systems and services installations information supplied by the sub-contractors. The dimensions specified for the pipes and tubes shall refer to the internal or external dimensions as designed in the appropriate British Standard Specification. The thickness specified for the filling, hardcore and pitching shall refer to the finished thickness after consolidation. Licences The Contractor shall make all arrangements for the issue of any licences, permits, etc. required for the execution of the contract as far as supply of labour and materials are concerned and to obtain necessary permits and complete and lodge all forms which may be required all at his own expense and he must make due allowance in his tender. Setting Out The Contractor shall accurately set out the works and include for providing pegs, templates, instruments and labour necessary for so doing and as required by the Architect for checking the work. Excavation shall not be commenced until permission of the Architect is obtained, after being satisfied to the correctness of the setting out.			50,000.00
---	---	--	--	------------------

G	Provide when required on the site a 'Dummy' or 'Precise' type level complete with tripod and staff and allow for the free use of the levelling equipment by the Architect, Engineer or Quantity Surveyor. Survey Beacons, Bench marks etc. Survey beacons, bench marks etc. on or around the site shall not be disturbed unless permission has first been obtained from the Survey Department. Covering up Work The Contractor must give at least seven clear days notice to the Architect and Quantity Surveyor before covering up any of the work in foundations and drains in order that proper measurements may be taken of the works as executed and in the event of the Contractor failing to provide such notice, he is to uncover as required at his own expenses, to allow measurements to be taken and afterwards to reinstate.			350,000.00
H				
J				
K	The Contractor shall allow for all reinforcements to be inspected by the Engineer before pouring of concrete.			400,000.00
	To collection			800,000.00

	Site Accommodation			
A	Allow for providing a suitable weather proof office on the site for the Foreman-in-charge and other staff and include for providing necessary furniture and lighting and clear away on completion.			
B				
C	Allow for providing a temporary hut for the watchman complete with lighting and necessary furniture and clear away on completion			
D	Allow for providing adequate accommodation for the Consultant Architects, Engineers and Quantity Surveyors include for providing all necessary furniture, lighting and air-conditioning and clear away on completion.			150,000.00
E	Allow for providing a suitable office on site for the purpose of site meetings complete with suitable furniture for such meetings and large enough to accommodate one representative each from the Consultants and each sub-contractor together with the Contractor's representatives. Provide lighting and clear and remove on completion.			
F	Allow for providing and maintaining all necessary buildings for storage and protection of goods and materials on site and other works that may be brought to or executed on site, including the tools and materials of sub-contractors, and remove on completion.			
G	Sheds for the storage of cement shall be constructed in accordance with the requirement described in the Trade Preambles for Concretework.			
H	No parts of the works shall be used for storage of materials or Contractor's accommodation without the Architect's prior approval.			
	Location proposals for temporary buildings shall be submitted to the Architect for approval			

	prior to construction.			
	Temporary Telephone			100,000.00
J	The Contractor is to have a site Telephone installed at his office and the facility is to be made available to the Consultant Architect, Engineers Quantity Surveyor and sub-contractors when required. All rental installation, removal and call charges are to be paid by the Contractor.			350,000.00
K	Watching and Lighting			
	Allow for providing all necessary guards, day and night watchmen and lighting for the protection of the works and the safety of the public.			
L	Electricity			
	Allow for providing all temporary lighting and power for the works, including that for use by special tradesmen and sub-contractors and for electrical, plumbing and mechanical contractors and paying fees and charges and providing all necessary mains and clearing away and making good at completion.			600,000.00
	Water			
	Allow for providing all water required for the works including that for sub-contractors. The water is to be clean, fresh and drinkable water.			
	To collection			

A	Allow for executing all temporary plumbing and paying all fees and charges incurred in the connection and supply of the water for the building purpose and the removal of all temporary plumbing on completion The Contractor shall ensure that all necessary applications made and all charges are paid in respect of permanent water supply to ensure connections are effected in good time so as not to delay the completion of the works. Temporary Works The Contractor shall ensure that all temporary electrical, water and other installations are executed in accordance with the requirements of the Authorities concerned. Temporary Fencing and Access Roads Allow for any temporary access roads, crossovers, gangways, gates and the like as required for the execution of the works, maintain and clear away and make good at completion all to the approval of the Architect. Allow for adequate temporary security fencing to the perimeter of the site to the Architect's approval, maintain and clear away and make good at completion. First Aid Box The Contractor is to provide on site a First Aid Box or cupboard prominently marked with the word FIRST AID BOX for the purpose of treating any of his employees injured on site. The content of the box is to include a snake bite serum kit. The Contractor is to ensure that there is adequate stock in the First Aid Box at all times which is to be produced and opened for inspection by the Architect and Quantity Surveyor on request. Scaffolding and Plant			100,000.00 20,000.00
---	---	--	--	------------------------------------

H	Allow for providing all scaffolding, hoists, tackle and other plant, profiles, templates, centerings 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 for testing and measuring or testing the efficiency of any portion of the works.			350,000.00
J	The Contractor is particularly to note that scaffolding, staging and the like is to be provided for the execution of his own work and that of sub- contractors employed under this contract, including that required solely for the execution of work by sub-contractors and for electrical, plumbing and mechanical installations.			
K	Allow for providing all gangways, planking deckings, temporary platform, etc. necessary to construct and afford access to or between all parts of the works. Tests and Samples Allow for carrying out tests of any materials, either before or after use in the works and providing samples of all materials and specimens or colours for approval as required by the Architect or Engineer before use or application in the works.			
	10 collection			470,000.00

Opening Up A B D E A	The Contractor shall, at the request of the Architect open up for inspection and work covered up, and should the Contractor refuse or fail to comply with such request, the Architect may employ workmen to open up same. If the said work has been covered up in contravention of the Architect's instructions and if on being opened up it be found not in accordance with the drawings or instructions of the Architect, the expenses of opening up again, whether done by the Contractor or other workmen, shall be borne by, or be recoverable from the Contractor or may be deducted as aforesaid. If the work has not been covered up in contravention of such instructions and be found in accordance with the said drawings, etc., the the expenses aforesaid shall be borne by the Employer and be added to the contract sum. Existing Installations 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, paths, kerbs and drains and paying all costs and charges incurred. Temporary Stormwater Drainage Allow for ensuring that the whole of the site is kept free from the risk of stormwater flooding and providing such temporary ditches, gullies and the like as may be necessary and for subsequently backfilling such excavation and making good. Any damage arising from non-compliance with this clause is to be made good at the Contractor's own expense. Prevention of Nuisance, Trespass, etc.			
---	---	--	--	--

B	Allow for taking necessary precautions with regard to the order and method of execution of the work to avoid causing disturbance or nuisance to the users and occupiers of existing buildings and premises close to the works and for complying with the directives of the Architect in this respect			
C	The Contractor is to supply the Architect such information as he may require in connection with the works, including a statement showing the number of men employed in all trades daily, and delivery notes for all materials.			
D	The foreman-in-charge shall complete each week a copy of the 'Works Weekly Report Sheet' or other similar data sheet issued by the Architect and submit same to the Architect at the end of the week.			
E	Progress Photographs			
	The Contractor shall allow in his tender for coloured progress photographs, the intervals, numbers and sizes of the photographs will be as directed by the Architect. The Contractor shall provide a board in accordance with the Architect's drawing which will appear in each photograph showing the date and location on the picture.			100,000.00
	The Contractor shall allow for checking nominated suppliers' quotations before placing orders in respect of prime cost sums and shall be solely responsible for ensuring that all materials so ordered are sufficient and correct in quantity and contain due allowance for waste etc. To collection			200,000.00

				250,000.00
				50,000.00
				600,000.00

	Site Board			
A	Provide and erect a site board showing the title of the contract, names and addresses of the Consultants, nominated supplies and sub-contractors and such other information as may be required by the Architect. Lettering shall be of an approved thickness, and shall be 100mm high for the main title, 50mm or 38mm high elsewhere. The whole board shall be well finished in wood to the approval of the Architect and shall be maintained in good condition, repainted as necessary and removed when no longer required. Clearing Rubbish B Allow for clearing away all shavings, cuttings and other rubbish as it accumulates from time to time during the progress of the works and at completion, including that of sub-contractors and special tradesmen and the disposal of all materials condemned by the Architect or his representatives. Cleaning on Completion C Allow for cleaning down the whole premises including cleaning glass both sides and cleaning all floor 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 and tidy condition and ready for immediate use, with all damage to property, road, path and drains etc., made good to the satisfaction of the Architect. TO COLLECTION			80,000.00
				50,000.00
				130,000.00

	PRELIMINARIES contd			
	<u>COLLECTIONS</u>			
	Prel/1			250,000.00
	Prel/2			800,000.00
	Prel/3			600,000.00
	Prel/4			470,000.00
	Prel/5			600,000.00
	Prel/7			130,000.00
	PRELIMINARIES CARRIED TO SUMMARY			2,850,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED ADMINISTRATIVE BUILDING FOR ADOLESCENT AND YOUTH FRIENDLY CENTER, ADO-EKITI, EKITI STATE, NIGERIA.</u>				
	<u>ELEMENT Nr. 1</u>				
	<u>SUBSTRUCTURE (PROVISIONAL)</u>				
	<u>D20 EXCAVATING AND FILLING</u>				
	<u>EXCAVATING IN NORMAL FIRM GROUND</u>				
	<u>Site preparation</u>				
A	Clear site of all shrub, bushes, undergrowth, trees not exceeding 600mm girth, large stones rubbish, debris etc and remove from site.	1300	m ²	50	65,000.00
B	Excavating top soil, maximum depth not exceeding 150mm.	1300	m ²	150	195,000.00
	<u>Trench Excavation width exceeding 0.30m</u>				
C	Excavate trench including working space maximum depth not exceeding 2.00m; commencing surface 150mm below	319	m ³	800	255,200.00
	<u>Pits excavation</u>				
D	Excavate pits including working space maximum depth not exceeding 2.00m; commencing surface 150mm below existing ground level	180	m ³	800	144,000.00
	<u>D25: EARTHWORKS</u>				
	<u>DISPOSAL</u>				
E	Excavated materials; off site, deposit in spoil heap away from site	159	m ³	400	63,600.00
	<u>FILLING</u>				
	<u>Filling to make up levels</u>				
F	Filling to excavations, average thickness exceeding 250mm, materials arising from excavations	255	m ³	1,000	255,000.00
	To collection				977,800.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURE (Cont'd)</u>				
	<u>Laterite Filling</u>				
A	Laterite exceeding 250mm thick; obtained off site; depositing in layers 150mm maximum thickness; compacted and consolidated under hardcore	350	m ³	3,500	1,225,000.00
	<u>Surface Treatment</u>				
	<u>Pesticides: Dieldrex 20</u>				
B	Treating the bottom and surface of excavation	1300	m ²	200	260,000.00
	<u>Compacting</u>				
D	Level and compact bottom of excavation and filling	288	m ²	200	57,600.00
	<u>Waterproofing</u>				
C	Polythene Sheet membrane spread on sand filling	600	m ²	300	180,000.00
	<u>E10: INSITU CONCRETE</u>				
	<i><u>Plain Insitu Vibrated Concrete; Grade 15</u></i>				
D	Blinding beds, thickness not exceeding 50mm thick; poured on earth surfaces to receive column base	6	m ³	35,000	210,000.00
	To collection				1,932,600.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
.	SUBSTRUCTURE (Cont'd)				
	<u>Plain Insitu Vibrated Concrete; Grade 20</u>				
A	Foundations, 150 - 450mm thick <u>Reinforced Insitu Vibrated Concrete; Grade 25</u>	45	m ³	45,000	2,025,000.00
B	Columns bases	25	m ³	45,000	1,125,000.00
C	Regular columns	4	m ³	45,000	180,000.00
D	Step	1	m ³	45,000	45,000.00
E	Ramp	1	m ³	45,000	45,000.00
F	Beds; 150mm thick	65	m ³	45,000	2,925,000.00
	<u>E20: FORMWORK FOR IN SITU CONCRETE</u>				
	<u>Sawn formwork to:</u>				
G	Sides of column bases	180	m ²	3,500	630,000.00
H	Sides of Regular columns	162	m ²	3,500	567,000.00
J	Edges of ground slab not exceeding 250mm high	142	m	1,000	142,000.00
K	Edges of step not exceeding 250mm high	41	m	1,000	41,000.00
L	Ditto Ramp not exceeding 250mm high	10	m	1,000	10,000.00
	<u>E30: REINFORCEMENT FOR IN SITU CONCRETE</u>				
	<u>CONCRETE</u>				
	<u>High tensile bars to BS 4449, straight in column base</u>				
M	16mm diameter bar <u>High tensile bars to BS 4449, straight in column</u>	3	ton	600,000	1,800,000.00
N	16mm diameter bar <u>High tensile bars to BS 4449, bent</u>	1	ton	600,000	600,000.00
P	8mm diameter bar	1	ton	600,000	600,000.00
	To collection				10,735,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURE (Cont'd)</u>				
	Fabric mesh A142 weighing 2.22kg/m ² laid as detailed in <u>manufacture's manual</u>				
A	Ground floor beds	591	m ²	1,500	886,500.00
B	Ramp	7	m ²	1,500	10,500.00
	<u>F10 BRICK/BLOCK WALLING</u>				
	<u>BLOCKWORK: 225mm x 450mm NOMINAL; LAID STRETCHER BOND IN CEMENT MORTAR (1:3)</u>				
C	230mm thick filled solid with concrete grade 15 in foundation	470	m ²	5,000	2,350,000.00
	<u>EXTERNAL FINISHING</u>				
	<u>M20 PLASTERED/RENDERED/ ROUGHCAST COATINGS</u>				
	<u>12mm THICK CEMENT-SAND (1:3); PLAIN RENDERING; FINISHING TROWELLED SMOOTH</u>				
	Walls				
D	Surface over 300mm wide ; external	184	m ²	800	147,200.00
	<u>M60: PAINTING / CLEAR FINISHING</u>				
	<u>PREPARE AND APPLY THREE COATS OF FINE TEXTURED PAINTS ON RENDERED SURFACES</u>				
	General surfaces				
E	Walls; over 300mm girth; external	184	m ²	800	147,200.00
	To collection				3,541,400.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
A	<u>SUBSTRUCTURE (Cont'd)</u>				
	<u>Additional Foundations</u>				
	Allow provisional sum for unforeseen circumstances on this work section as directed Structural Engineer.				200,000.00
	To collection				200,000.00
	<u>COLLECTIONS</u>				
	PAGE NR 1				977,800.00
	PAGE NR 2				1,932,600.00
	PAGE NR 3				10,735,000.00
	PAGE NR 4				3,541,400.00
	PAGE NR 5				200,000.00
	<u>SUBSTRUCTURE CARRIED TO SUMMARY</u>				17,386,800.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 2</u>				
	<u>FRAMES</u>				
	<u>E10: In situ concrete</u>				
	<i><u>Reinforced in situ Vibrated concrete; Grade 25</u></i>				
A	Regular Columns	18	m ³	45,000	810,000.00
B	Beams	16	m ³	45,000	720,000.00
C	100mm Duct wall	2	m ³	45,000	90,000.00
	<u>E20: Formwork for in situ concrete</u>				
	<i><u>Sawn formwork to:</u></i>				
D	Sides of Columns	664	m ²	3,500	2,324,000.00
E	Sides and soffits of Beams	498	m ²	3,500	1,743,000.00
F	Sides of duct wall	160	m ²	3,500	560,000.00
	<u>E30: Reinforcement for in situ concrete(Provisional)</u>				
	<i><u>High tensile bars to BS 4449, straight in COLUMNS and Duct wall</u></i>				
G	16mm diameter bar	3	ton	600,000	1,800,000.00
H	Ditto: 10 mm in Duct wall	1	ton	600,000	600,000.00
	<i><u>High tensile bars to BS 4449, straight in Beams</u></i>				
J	16mm diameter bar	4	ton	600,000	2,400,000.00
	<i><u>High tensile bars to BS 4449, bent, in Columns and beams</u></i>				
K	8mm Diameter bar in Column	1.5	ton	600,000	900,000.00
L	8mm Diameter bar in Beam	2	ton	600,000	1,200,000.00
	<u>FRAMES CARRIED TO SUMMARY</u>				13,147,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 3</u>				
	<u>UPPER FLOOR</u>				
	<u>E10: In situ concrete</u>				
	<i><u>Reinforced in situ Vibrated concrete; Grade 25</u></i>				
A	Slabs, thickness not exceeding 150mm, slope not exceeding 15°	90	m ³	45,000	4,050,000.00
	<u>E20: Formwork for in situ concrete</u>				
	<i><u>Sawn formwork to:</u></i>				
B	Edges of suspended slabs, height not exceeding 250mm	138	m	3,500	483,000.00
C	Soffits of slabs, slab thickness not exceeding 200mm, slope not exceeding 15 degrees	630	m ²	3,500	2,205,000.00
	<u>E30: Reinforcement for in situ concrete</u>				
	<i><u>High tensile bars to BS 4449, straight in upper floor</u></i>				
D	10mm - 12mm Diameter bars	8	ton	600,000	4,800,000.00
	<u>UPPER FLOORS CARRIED TO SUMMARY</u>				11,538,000.00
	<u>ELEMENT Nr. 4</u>				

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>STAIRCASES</u>				
	<u>E10: In situ concrete</u>				
	<u>Reinforced in situ Vibrated concrete: Grade 25</u>				
A	Beam	2	m ³	45,000	90,000.00
B	Staircase String	2	m ³	45,000	90,000.00
C	Landing	1	m ³	45,000	45,000.00
D	Step	2	m ³	45,000	90,000.00
	<u>E20: Formwork for in situ concrete</u>				
	<u>Sawn formwork to:</u>				
E	Sides and soffit of beam	10	m ²	3,500	35,000.00
F	Soffits of landings, slab thickness not exceeding 200mm, slope not exceeding 15 degrees	12	m ²	3,500	42,000.00
G	Sloping soffits of staircase	25	m ²	3,500	87,500.00
H	Edges of risers not exceeding 250mm high	76	m	800	60,800.00
J	Edges of flight not exceeding 250mm high	26	m	800	20,800.00
K	Edges of suspended slabs, height not exceeding 250mm	22	m	800	17,600.00
	<u>E30: Reinforcement for in situ concrete</u>				
	<u>High tensile bars to BS 4449, straight in Staircase beam</u>				
L	10 -16mm diameter bar	1	ton	600,000	600,000.00
	<u>High tensile bars to BS 4449, straight in Steps and string</u>				
M	10 -12mm diameter bar	1.02	ton	600,000	612,000.00
	<u>High tensile bars to BS 4449, bent, in Columns and beams</u>				
N	10 -12 mm Diameter bar in Beam	1.02	ton	600,000	612,000.00
	To collection				2,402,700.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>STAIRCASES(Cont'd)</u>				
	<u>M20: Plastered/Rendered/Roughcast coatings</u>				
	<u>12mm thick cement and sand (1:3) smooth rendering.</u>				
A	Landings soffits, width exceeding 300mm	12	m ²	1,000	12,000.00
B	Sloping soffits of staircase width exceeding 300mm	25	m ²	1,000	25,000.00
C	Strings, average width not exceeding 300mm	40	m	600	24,000.00
	<u>M. SURFACE FINISHES</u>				
	<u>M10: Sand cement/Concrete/Granolithic screeds/flooring</u>				
	<u>42mm thick cement and sand (1:3) Screeded bed</u>				
D	Landing floors; level and to falls only not exceeding 15 ⁰ from horizontal	12	m ²	1,500	18,000.00
E	Treads; 300mm wide	76	m	600	45,600.00
	<u>12mm thick cement and sand (1:3) Screeded backing</u>				
F	Risers; 150mm high	78	m	400	31,200.00
G	Skirtings; 100mm high.	45	m	250	11,250.00
	<u>M40:STONE/CONCRETE/QUARRY/CERAMIC TILING/MOSAIC/GRANITE/VITRIFIED TILING</u>				
	<u>400 x 400 x 8mm unglazed floor tiles of approved colour cut to threads and risers, bedded and jointed in cement mortar on scredded bed (measured separately) to:</u>				
H	Landing floors; level and to falls only not exceeding 15 ⁰ from horizontal	12	m ²	5,500	66,000.00
J	Treads; 300mm wide complete with nosing	76	m	2,500	190,000.00
K	Risers; 150mm high	78	m	1,000	78,000.00
L	Skirtings; 100mm high.	45	m	1,000	45,000.00
	To collection				546,050.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>STAIRCASES(Cont'd)</u>				
	<u>M60 PAINTING/CLEAR FINISHING</u>				
	<u>Painting/Clear finishhings</u>				
	<i>Mist coat, two full coat of "Dulux" or equal and approved Emulsion quality paint on.</i>				
	General surfaces				
E	Soffit of landings; width exceeding 300mm	12	m ²	800	9,600.00
F	Slopping soffits of staircase width exceeding 300mm	25	m ²	800	20,000.00
G	Strings; average width not exceeding 300mm	40	m	240	9,600.00
	<u>L30: Stairs/Walkways/Balustrades (Provisional)</u>				
H	Stainless steel balustrades fixed to concrete foer in accordance with Architects details	17	m	35,000	595,000.00
	To collection				634,200.00
	<u>COLLECTIONS</u>				
	PAGE NR 8				2,402,700.00
	PAGE NR 9				546,050.00
	PAGE NR 10				634,200.00
	<u>STAIRCASES CARRIED TO SUMMARY</u>				3,582,950.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 5</u>				
	<u>ROOF</u>				
	<u>Reinforced in situ Vibrated concrete; Grade 25</u>				
A	Beams	12	m ³	45,000 28,000	540,000.00
B	Fascia	3	m ³	45,000	135,000.00
C	Roof gutter/ Slab	13	m ³	45,000	585,000.00
D	Up stand Beams	2	m ³	45,000	90,000.00
	<u>E20: FORMWORK FOR INSITU CONCRETE</u>				
	<u>Sawn formwork to:</u>				
E	Sides of Beams	273	m ²	3,500	955,500.00
F	Soffit of Fascia	94	m ²	3,500	329,000.00
G	Roof gutter/ Slab	701	m ²	3,500	2,453,500.00
H	Up stand Beams	55	m ²	3,500	192,500.00
	<u>E30: REINFORCEMENT FOR INSITU CONCRETE</u>				
	<u>High tensile bars to BS 4449, Straight in roof beam,</u>				
J	8mm-16mm Ditto	2	ton	600,000	1,200,000.00
	<u>High tensile bars to BS 4449, bent in roof beam,gutter ,upstand beam,facial and slab</u>				
K	10 - 12 mm Diameter bars	3	ton	600,000	1,800,000.00
	<u>Carpentry</u>				
	<u>Sawn hardwood carcassing in seasoned treated timber:</u>				
L	150 x 75mm Tie beam	6736	m	400	2,694,400.00
M	150 x 50mm Rafter	698	m	300	209,400.00
N	100 x 75mm Strut	734	m	300	220,200.00
P	150 x 50mm King post	163	m	400	65,200.00
	To collection				11,469,700.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ROOF (Cont'd)</u>				
	<u>Carpentry (Cont'd)</u>				
	<u>Sawn hardwood carcassing in seasoned treated timber:</u>				
A	75 x 50mm Purlins	1013	m	350	354,550.00
B	50 x 50mm nogging	2739	m	300	821,700.00
	Water proof cement and sand (1:3) bed and backing				
C	38mm (average) Floated bed laid to falls	118	m2	2,000	236,000.00
D	12mm Floated backing	701	m2	1,000	701,000.00
	Waterproof system comprising bitumenous primer coat, one layer of Paralon NT4 or approved equal and paint to:				
E	Roof slab to falls	118	m2	5,000	590,000.00
F	Gutter slab to falls	701	m2	5,000	3,505,000.00
G	Up stand Beams	55	m2	5,000	275,000.00
	<u>H: CLADDING / COVERING</u>				
	<u>H72: ALUMINIUM STRIP/ SHEET COVERINGS/</u>				
	<u>0.55mm green colour longspan aluminium roofing sheet: TOWER or approved equal; lapped and fixed in accordance with manufacturer's instruction (measured net) on steel roof trusses (measured separately) with galvanised mild steel drive screw including coating surface in contact with other materials with bituminous paint on:</u>				
H	Roof coverings.	1047	m ²	4,500	4,711,500.00
J	Eave piece 300mm girth	143	m	1,350	193,050.00
K	Ridge cap 450mm girth	47	m	2,025	95,175.00
L	Hip piece 450mm girth	118	m	2,025	238,950.00
	To collection				11,721,925.00
	<u>COLLECTIONS</u>				
	PAGE NR 11				11,469,700.00
	PAGE NR 12				11,721,925.00
	ROOF CARRIED TO SUMMARY				23,191,625.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 6</u>				
	<u>INTERNAL AND EXTERNAL WALLS</u>				
	<u>F10 BRICK/BLOCK WALLING</u>				
	<u>Sancrete hollow blockwork, bedded and jointed in cement and sand mortar (1:6) in strecher bond:</u>				
A	230mm thick	1887	m ²	5,000	9,435,000.00
B	150mm thick	266	m ²	4,500	1,197,000.00
	<u>INTERNAL AND EXTERNAL WALLS CARRIED TO SUMMARY</u>				10,632,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 7</u>				
	<u>WINDOWS</u>				
	<u>E10: INSITU CONCRETE</u>				
	<u>REINFORCED INSITU VIBRATED CONCRETE</u>				
	<u>GRADE 25</u>				
A	Lintels	12	m ³	45,000	540,000.00
B	Window hood	10	m ³	45,000	450,000.00
	<u>E20: FORMWORK FOR IN SITU CONCRETE</u>				
	<i><u>Sawn formwork to:</u></i>				
C	Side and Soffitts of Isolated lintels	122	m ²	4,000	488,000.00
D	Side and Soffitts of Window hood	134	m ²	4,000	536,000.00
	<u>E30: Reinforcement for in situ concrete</u>				
	<i><u>High tensile bars to BS 4449, straight. (Provisional)</u></i>				
E	12mm Diameter bars	2	ton	600,000	1,200,000.00
	<i><u>High tensile bars to BS 4449, bent. (Provisional)</u></i>				
F	10mm Diameter bars	1	ton	600,000	600,000.00
	<u>ALUMINIUM WORKS</u>				
	<u>Sub-frame</u>				
G	25 x 50mm hollow steel sub-frame plugged into concrete and blockwork	461	m	1,500	691,500.00
	<u>Duct Covers</u>				
	Approved heavy duty Z-profile type coloured powder coated aluminium fixed louvre screen complete with frame fixed to concrete with and including all necessary fixing accessories				
H	450mm wide x 8600mm high in convenient removable segments	4	nr	120,000	480,000.00
	To collection				4,985,500.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>WINDOWS (Cont'd)</u>				
	<u>"Tower" or approved equal Standard Aluminium Profile in off-white powder coated complete with 5mm tinted glazing including locks and other accessories to Architectural details in:</u>				
A	Casement and Fixed panel window in overall size 900 x 1500mm high	32	nr	60,750	1,944,000.00
B	Ditto:1800 x 1500mm	8	nr	121,500	972,000.00
C	Ditto: 600 x 600mm	18	nr	16,200	291,600.00
D	Casement window in 3panels overall size 1500 x 1500mm high	7	nr	101,250	708,750.00
	<u>Fix lights</u>				
E	Fix light window overall size 6525 x 6200mm high	1	nr	1,849,770	1,849,770.00
F	Ditto: 600 x 450mm high	2	nr	12,150	24,300.00
G	Ditto: 3825 x 6200 mm high	1	nr	1,067,175	1,067,175.00
H	Ditto: 2350 x 6200 mm high	2	nr	655,650	1,311,300.00
	<u>Burglar Proofing</u>				
J	<u>Fabricated burglar proofing comprising 25 x 25mm hollow square pipe, 6mm thick fixed vertically at 100mm centres and 25mm flat bars horizontally at 250mm centres, in approved grille pattern framed with 25 x 25mm pipe and built into blockwork including painting with gloss paint, all in accordance with University's Specification</u>	250	m2	10,000	2,500,000.00
	To collection				10,668,895.00
	<u>COLLECTIONS</u>				
	PAGE NR 14				4,985,500.00
	PAGE NR 15				10,668,895.00
	WINDOWS CARRIED TO SUMMARY				15,654,395.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 8</u>				
	<u>DOORS</u>				
	<u>E10: In situ concrete</u>				
	<i>Reinforced Insitu Vibrated Concrete Grade 20</i>				
A	Lintels	6	m ³	45,000	270,000.00
	<u>E20: FORMWORK FOR IN SITU CONCRETE</u>				
	<i>Sawn formwork to:</i>				
B	Sides and Soffit of Isolated lintels	66	m ²	3,500	231,000.00
	<u>E30: Reinforcement for in situ concrete</u>				
	<i>High tensile bars to BS 4449, straight. (Provisional)</i>				
C	12mm Diameter bars	1	ton	600,000	600,000.00
	<i>High tensile bars to BS 4449, bent. in links and stirrups (Provisional)</i>				
D	10mm Diameter bars	1	ton	600,000	600,000.00
	<u>METALWORKS</u>				
	<u>Aluminium Doors</u>				
	<i>"Tower" or approved equal Standard Aluminium Door Profile in off-white powder coated complete with 12mm plywood panels including locks and other accessories to manufactural details in:</i>				
E	Double leaf double swing door size 1800 x 2100mm high with middle mullion complete with 9mm thick solar reflective laminated glazing executed in accordance with Architectural Drawing's specification	4	nr	300,000	1,200,000.00
	To collection				2,901,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>DOORS (Cont'd)</u>				
	<i><u>Solid core Harwood Door</u></i>				
A	Solid core, single swing hardwood panel door complete with hardwood frame, sub-frame and architrave or Approved equal , to Architect's specification; size 900 x 2100mm high	27	nr	85,000	2,295,000.00
B	Ditto size 750 x 2100mm high	20	nr	80,000	1,600,000.00
	<u>Metal Doors</u>				
C	Fabricated Steel, Double leaf door as detail in Architectural drawing.	2	nr	180,000	360,000.00
	To collection				3,895,000.00
	<u>COLLECTIONS</u>				
	PAGE NR 16				2,901,000.00
	PAGE NR 17				3,895,000.00
	<u>DOORS CARRIED TO SUMMARY</u>				6,796,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 9</u>				
	<u>FITTINGS AND FIXTURE (ALL PROVISIONAL)</u>				
A	Allow provisional sum for supply and install approved timber and metal composite fabricated combined 6 (Six) and table of single set lecture hall furniture directed by the Architect, Or other equal and approved quality in ICT, Adolfric arena e.t.c		sum		4,000,000.00
B	Ditto wooden set 3 chair and 1 tables for offices		sum		650,000.00
C	Ditto High Back office chair with Model No. AB-10 Or other equal and approved quality		sum		500,000.00
D	Ditto High profile Executive Offices Table with Model No. OT-8 for the office of Chief Executive director, Doctors Or other equal and approved quality.				2,000,000.00
E	Ditto, Conference and Board rooms		sum		4,500,000.00
F	Allow for 4500 x 1500 mm wide wall mounted magnetic boards including other writing aids as directed by the client supervising architect to be executed		sum		100,000.00
	<u>FITTINGS AND FIXTURE CARRIED TO SUMMARY</u>				
					11,750,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 10</u>				
	<u>WALL FINISHES</u>				
	<u>M20 PLASTERED/RENDERED/ ROUGHCAST COATINGS</u>				
	<u>12MM THICK CEMENT-SAND (1:3); PLAIN RENDERING; FINISHING TROWELLED SMOOTH</u>				
	<u>Walls</u>				
A	Surface over 300mm wide; internal and external	4306	m ²	1,000	4,306,000.00
B	Surfaces not exceeding 300mm wide; internal and external	1034	m	450	465,300.00
C	Ditto Fascia; window hood	171	m ²	1,000	171,000.00
D	Ditto, Isolated column	71	m ²	800	56,800.00
E	Ditto, Duct walls	56	m ²	800	44,800.00
	<u>M40:STONE/CONCRETE/QUARRY/CERAMIC/</u>				5,043,900.00
	<i><u>250 x 400 x 8mm thick Glazed ceramic wall tiles of aproved colour, bedded and jointed in cement mortar on screeded backing (measured separately) and grouted in white cement including all necessary round edge tile to:</u></i>				
	<u>Walls</u>				
F	Over 300mm wide; Internal	358	m ²	5,600	2,004,800.00
G	Ditto: External	300	m ²	5,600	1,680,000.00
H	Ditto; surfaces not exceeding 300mm wide	80	m	2,000	160,000.00
	<i><u>12mm thick cement and sand (1:3) Screeded backing</u></i>				
J	Walls; width exceeding 300mm	308	m ²	1,000	308,000.00
K	Walls; width not exceeding 300mm	66	m	500	33,000.00
	<u>Aluco Bond</u>				
L	Supply and install approved colour aluco bond with structural elements to Facade external wall complete with required accessories. See detail Architectural drawings.	95	m ²	45,000	4,275,000.00
	To collection				18,548,600.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	Wall (Cont'd)				
	<u>M60: PAINTING / CLEAR FINISHING</u>				
	<u>PREPARE AND APPLY ONE PRIME COAT AND TWO FINISHING COATS OF EMULSION PAINTS (COLOURED) ON RENDERED WALLS</u>				
	General surfaces				
A	Walls; over 300mm girth; Internal	4224	m ²	800	3,379,200.00
B	Ditto surfaces not exceeding 300mm wide	1038	m	400	415,200.00
C	Ditto Fascia; window hood	171	m ²	800	136,800.00
D	Ditto, Isolated column	71	m ²	800	56,800.00
E	Ditto, Duct walls	199	m ²	800	159,200.00
	<u>To collection</u>				3,988,000.00
	<u>COLLECTIONS</u>				
	PAGE NR 19				18,548,600.00
	PAGE NR 20				3,988,000.00
	<u>WALL FINISHES CARRIED TO SUMMARY</u>				22,536,600.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 11</u>				
	<u>FLOOR FINISHES</u>				
	<u>M SURFACE FINISHES</u>				
	<u>CEMENT-SAND (1:3) BEDS AND BACKINGS:</u>				
	Floors; over 300mm wide				
A	42mm thick average;screeded bed; to falls only not exceeding 15° from horizontal to receive tiles	1224	m ²	1,000	1,224,000.00
B	15mm thick average;screeded backing 100mm high	511	m	500	255,500.00
C	Risers of entrance steps; 150mm high	107	m	500	53,500.00
	<u>M40 STONE / CONCRETE / QUARRY / CERAMIC</u>				
	<u>TILING/MOSAIC/GRANITE/VITRIFIED TILING</u>				
	<u>400 x 400 x 8mm Glazed vitrified tiles of approved colour bedded and jointed in cement mortar and laid on scredded bed (measured separately) to:</u>				
D	Floors; level and to falls only not exceeding 15° from horizontal	1224	m ²	6,000	7,344,000.00
E	Skirtings; height 100mm	511	m	1,500	766,500.00
	<u>400 x 400 x 8mm Unglazed vitrified tiles of approved colour bedded and jointed in cement mortar and laid on scredded bed (measured separately) to:</u>				
F	Floors; level and to falls only not exceeding 15° from horizontal	68	m ²	6,000	408,000.00
G	Treads; 300mm wide complete with nosing	76	m	2,500	190,000.00
H	Risers; 150mm high	80	m	800	64,000.00
	<u>FLOOR FINISHES CARRIED TO SUMMARY</u>				
					10,305,500.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT Nr. 12</u>				
	<u>CEILING FINISHES</u>				
	<u>M20:PLASTERED/RENDERED/ROUGHCAST COATINGS</u>				
	<u>Mortar; cement and sand (1:4) trowelled smooth</u>				
	<u>Soffits</u>				
A	Soffit of suspended slab over exceeding 300mm wide; Internal	608	m ²	1,000	608,000.00
	<u>K LININGS/SHEATHING/DRY PARTITIONING</u>				
	<u>K10: Platerboard dry linings/partitions/ceilings</u>				
B	P.O.P sreading on 12mm thick Plaster board ceiling with p.o.p associated materials and Conice;fixed horizontally to 50 x 50mm hardwood noggins in accordance with Architectural detail design.	1182	m ²	5,000	5,910,000.00
	<u>M60: PAINTING/CLEAR FINISHING</u>				
	<u>PREPARE AND APPLY ONE PRIME COAT AND TWO FINISHING COATS OF BRILLIANT WHITE EMULSION PAINTS ON RENDERED WALLS: PAINTS TO BE OF DULUX OR APPROVED EQUAL</u>				
	<u>General Surfaces</u>				
C	Soffit of suspended slab over exceeding 300mm wide; Internal	1182	m ²	800	945,600.00
	<u>CEILING FINISHES CARRIED TO SUMMARY</u>				7,463,600.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	ELEMENT Nr. 13				
	MECHANICAL INSTALLATIONS				
	N13 SANITARY APPLIANCE/ FITTING				
	<u>Sanitary appliances; Twyford; fittings equipment and appliances associated with services; supply, assemble and fix in positions indicating in drawings; including jointing to UPVC pipe water supply and UPVC discharge pipes as necessary</u>				
A	Set; Water closet and Wash-hand basin complete with pedestal; Type Twyford or approved equal	20	nr	60,000	1,200,000.00
	<u>Toilet Accessories</u>				
B	450 x 600 x 5mm wall mirror installed complete with chrome plated fixing screws (Pilkington or approved equal)	20	nr	4,000	80,000.00
	<u>Pipes; 4 bar;straight; upvc;push-fit jointed; in tenches and walls or floors; to falls; rate to include for connection to gully traps, inspection chambers, soakaway pits and septic tanks (measured separately to be executed by the main</u>				
	Pipework				
C	100mm; waste pipe	50	m	1,000	50,000.00
D	75mm; waste pipe	86	m	950	81,700.00
E	50mm; waste pipe	255	m	650	165,750.00
	<u>Extra over 100mm UPVC pipe for;</u>				
F	100mm elbow	30	nr	1,200	36,000.00
G	100mm 'Y' branch	18	nr	2,000	36,000.00
H	100mm pan connector	26	nr	2,500	65,000.00
J	100mm floor drain	30	nr	3,000	90,000.00
	<u>Extra over 75mm UPVC pipe for;</u>				
A	75mm elbow	25	nr	750	18,750.00
B	75mm tee	20	nr	840	16,800.00
	To collection				1,840,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>MECHANICAL INSTALLATIONS (Cont'd)</u>				
A	75 x 59mm reducer	30	nr	1,200	36,000.00
	<u>Extra over 50mm UPVC pipe for:</u>				
B	50mm elbow	61	nr	750	45,750.00
C	50mm tee	61	nr	950	57,950.00
D	50mm floor drain	35	nr	880	30,800.00
E	50mm cap end	35	nr	690	24,150.00
	<u>WATER SUPPLY</u>				
	<u>S10; S11 COLD AND HOT WATER SUPPLY</u>				
	<u>PIPEWORK</u>				
	<u>Pressure UPVC Pipes (Tiger); 10-20 bar; straight; in</u>				
G	50mm pipe	357	m	550	196,350.00
H	32mm pipe	408	m	450	183,600.00
J	25mm pipe	255	m	400	102,000.00
	<u>WATER SUPPLY</u>				
	<u>S10; S11 COLD AND HOT WATER SUPPLY</u>				
	<u>PIPEWORK</u>				
K	20mm pipe	153	m	500	76,500.00
L	15mm pipe	102	m	400	40,800.00
	<u>Extra over; UPVC pipe (Tiger type); 50mm;</u>				
M	50mm Elbow	24	nr	1,200	28,800.00
N	50mm Tee	30	nr	1,800	54,000.00
P	50mm Union connection	13	nr	560	7,280.00
	To collection				883,980.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>MECHANICAL INSTALLATIONS (Cont'd)</u>				
A	50 x 32mm reducer	24	nr	800	19,200.00
B	50mm gate valve	4	nr	790	3,160.00
C	50mm plug	24	nr	450	10,800.00
D	50mm non-return valve	10	nr	500	5,000.00
	<u>Extra over; UPVC pipe (Tiger type); 32mm;</u>				
E	32mm Elbow	81	nr	500	40,500.00
F	32mm Tee	30	nr	850	25,500.00
G	32mm Union connection	47	nr	450	21,150.00
H	32mm Nipple	12	nr	250	3,000.00
J	32 x 25mm reducer	12	nr	540	6,480.00
K	32 x 20mm reducer	12	nr	540	6,480.00
L	32mm gate valve	4	nr	1,200	4,800.00
M	32mm plug	20	nr	500	10,000.00
	<u>Extra over; UPVC pipe (Tiger type); 25mm;</u>				
N	25mm Elbow	20	nr	250	5,000.00
P	25mm Tee	8	nr	400	3,200.00
Q	25mm Union connection	16	nr	200	3,200.00
R	25mm Nipple	6	nr	200	1,200.00
S	25 x 19mm Reducing socket	4	nr	1,500	6,000.00
	<u>Extra over; UPVC pipe (Tiger type); 20mm;</u>				
T	20mm Elbow	30	nr	200	6,000.00
U	20mm Tee	42	nr	400	16,800.00
V	20mm Union connection	47	nr	200	9,400.00
	To collection				206,870.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>MECHANICAL INSTALLATIONS (Cont'd)</u>				
A	20mm Nipple	62	nr	200	12,400.00
B	20 x 15mm Reducing socket	4	nr	200	800.00
C	20mm Stop cock	8	nr	200	1,600.00
D	20 Brass tap	6	nr	150	900.00
E	20mm gate valva	4	nr	1,150	4,600.00
	<u>Extra over; UPVC pipe (Tiger type);15mm;</u>				
F	15mm Elbow	78	nr	200	7,344.00
G	15mm Union connection	45	nr	200	9,000.00
H	15mm Socket	26	nr	200	5,200.00
J	15mm Nipple	40	nr	200	8,000.00
K	15mm Flexible connector	40	nr	300	12,000.00
L	15mm Stop cock	30	nr	1,200	36,000.00
	<u>MISCELLANEOUS ACCESSORIES</u>				
	Allow for installation accessories such as brackets, yarn, plumber's mate, tangit gum, silicon gum, etc		sum		200,000.00
	<u>AIR-CONDITIONING AND VENTILATION</u>				
	<u>SUPPLY AND INSTALL AIRCONDITIONING UNIT; TYPE LG OR APPROVED EQUAL; COMPLETE WITH</u>				
	<u>SUNCTION AND LIQUID REFRIGERANT PIPE WITH ARMFLEX INSULATION, CONDENSATE DRAINAGE AT 7000MM MINIMUM LEADING TO THE RUN DRAINAGE FIXING CONTROL AND ACCESSORIES EQUIPED WITH LCD WIRELESS REMOTE CONTROL</u>				
M	18000 BTU Air-conditioning; Mini split unit;	4	nr	200,000	800,000.00
N	12000 BTU Air-conditioning; Mini split unit	10	nr	180,000	1,800,000.00
P	75mm dia pvc pipe for AC conduiting	56	m	860	48,160.00
	To collection				2,946,004.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>MECHANICAL INSTALLATIONS (Cont'd)</u>				
A	AC piping with and including refrigerant tube, cable,etc.	156	m	250	39,000.00
	<u>Fan</u>				
B	'Newclime or Approved equal " 3 - blade ceiling fan complete with 5-Speed Regulator	55	nr	25,000	1,375,000.00
	<u>FIRE FIGHTING INSTALLATION</u>				
C	AMEREX or equal Portable dry powder fire extinguisher, capacity 9Kg, wall mounted model, Type ABC	6	nr	40,000	240,000.00
	<u>Fire Hose Reel</u>				
D	Swing Type Fire Hose Reel; 30m hose; 19mm diameter nozzle; <i>Angus</i> or approved equal	2	nr	400,000	800,000.00
	<u>Y51 TESTING AND COMMISSIONING OF MECHANICAL SERVICES</u>				
E	Allow for Testing and Commissioning of Mechanical Installations				150,000.00
	To collection				2,604,000.00
	<u>COLLECTIONS</u>				
	Page no 23				1,840,000.00
	Page no 24				883,980.00
	Page no 25				206,870.00
	Page no 26				2,946,004.00
	Page no 27				2,604,000.00
	<u>MECHANICAL INSTALLATION CARRIED TO SUMMARY</u>				8,480,854.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELECTRICAL INSTALLATIONS</u>				
	Equipment; Metal clad Main Distribution Board surface/flush type as manufactured by FUSELINE CATALOGUE 2007-2008 including all MCCB, back outlet connections to flush adaptable boxes, including earth bonding, labels and fixing in accordance with manufacturer's instructions				-
	- Indicator lamps (R-Y-B), Ammeter, Voltmeter				
A	1 - 500Amps TPN MCCB incomer,				
	3 - 100A TPN MCCB outgoing,				
	2 -32A TPN MCCB outgoing	1	nr	250,000	250,000.00
	1 - 52A TPN MCCB outgoing as Space				-
	2 - 32A TPN MCCB outgoing as Space				
B	<u>Distribution Board Type ABB</u>				
	63A 8 way TPN MCCB Distribution board complete with 100ATPN RCD intergral main isolating switch and earth connection comprising:				
	4Nr. 10Amp SPN MCCB				
	3Nr. 20Amp SPN MCCB				
	11Nr. 30Amp SPN MCCB	6	nr	80,000	480,000.00
	To collection				730,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELECTRICAL INSTALLATIONS (Cont'd)</u>				
	<i><u>Gear Switch</u></i>				
A	150A TP&N Gear switch	1	nr	30,000	30,000.00
	<u>Y72 CONTACTORS AND STARTERS (TYPE ABB)</u>				
B	63A TPN voltage operated ELCB	2	nr	6,500	13,000.00
	<u>Y60 CONDUIT AND CABLE TRUNKING</u>				
	<i><u>UPVC Conduit pipe complete with all accessories in duct, concrete and trenches for mains installation</u></i>				
	<i><u>Pipe Sleeves</u></i>				
C	50mm diameter pipe	87	m	350	30,450.00
	<u>Y61 HV/LV (ALL WIRES/CABLES MUST BE NIGERIA PRODUCT)</u>				
	<u>COLEMAN or DENKEY Cables and Conductors in Mains Installation</u>				
	<i><u>PVC/PVC insulated cable</u></i>				
D	1.5mm ² single core cable	2500	m	500	1,250,000.00
E	2.5mm ² single core cable	2000	m	600	1,200,000.00
F	4mm ² single core cable	1500	m	650	975,000.00
G	4C x 185mm ² pvc/swa/pvc Single Core Copper Cable	25	m	5,600	140,000.00
H	4C x 25mm ² pvc/swa/pvc Single Core Copper Cable	30	m	12,500	375,000.00
J	4C x 10mm ² pvc/swa/pvc Single Core Copper Cable	124	m	5,500	682,000.00
L	4C x 6mm ² pvc/swa/pvc Single Core Copper Cable	30	m	4,500	135,000.00
	To collection				4,830,450.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	ELECTRICAL INSTALLATIONS (Cont'd)				
	<u>Y60 CONDUIT AND CABLE TRUNKING</u>				
	<u>Conduit in final circuit; radial main sub circuit; PVC insulated and colour coded cable to BS 6004 table 1A; drawn into and including 20/25mm diameter UPVC conduit; rate to include conduit ancillaries deemed necessary for a complete installation all in accordance with electrical engineers details</u>				
A	25mm PVC conduit pipe	1500	nr	180	270,000.00
B	20mm PVC conduit pipe	1800	nr	180	324,000.00
C	Ceiling fan and regulator points	850	nr	200	170,000.00
	<u>Y73 LUMINAIRES AND LAMPS</u>				
	<u>Luminaries and lamps; Approved brand and style; supply complete with conduit boxes, pattresses, ceiling roses, lampholders and the like as required; conduit or chain suspension, other suspension system as and where necessary; luminaires are to be fixed to backgrounds as shown in the relevant Engineer's drawings or other position as subsequently specified;</u>				
D	1 x 100W security light IP65 Led led	16	nr	5,000	80,000.00
E	1 x 7W B22 ceiling mounted led light fitting	30	nr	3,000	90,000.00
F	1 x 23W B22 ceiling mounted light fitting	12	nr	3,500	42,000.00
G	1 x 40W Modular light 600 x 600mm recessed light fitting	118	nr	8,800	1,038,400.00
H	1 x 18W wall mounted light fitting (Staircase)	4	nr	1,500	6,000.00
	<u>Y 74 ACCESSORIES FOR ELECTRICAL SERVICES</u>				
	<u>General Lighting Accessories; flush mounted fixed to and including galvanized steel knock-out box set in mortises in walls ;Type MK or approved equal:</u>				
J	5A 1 gang 2 way switch	45	nr	1,200	54,000.00
	To collection				2,074,400.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELECTRICAL INSTALLATIONS (Cont'd)</u>				
A	5A 2 gang 2 way switch	12	nr	1,500	18,000.00
B	5A 3 gang 2 way switch	4	nr	1,800	7,200.00
C	Switch socket outlet points	81	nr	1,500	121,500.00
D	AC socket points	31	nr	3,500	108,500.00
E	Extractor fan socket point	22	nr	3,500	77,000.00
	<u>Y 74 ACCESSORIES FOR ELECTRICAL SERVICES</u>				-
	<u>General Lighting Accessories; flush mounted fixed to and including galvanized steel knock-out box set in mortises in walls Type ABB:</u>				
F	13A twin socket outlet	81	nr	1,800	145,800.00
G	13A outlet for extractor fan	22	nr	1,500	33,000.00
H	15A single socket outlet	15	nr	1,800	27,000.00
	To collection				512,800.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELECTRICAL INSTALLATIONS (Cont'd)</u>				
	<u>W50 FIRE DETECTION AND ALARM (PROVISIONAL)</u>				
	<u>Y61 H/LV CABLE AND WIRING</u>				
	<u>Cables and conduit in final circuit; radial main alarm/detection sub circuit; 2nr. 450/700V grade 2.5mm² single core PVC insulated and colour coded cable to BS 6004 table 1A; drawn into and including 20/25mm diameter UPVC conduit; rate to include for the all cable ancillaries deemed necessary for a complete installation all in accordance with electrical engineers details</u>				
A	Fire alarm points	2	nr	12,000	24,000.00
B	Electronic sounder points	4	nr	4,500	18,000.00
C	Ionization smoke detector points	20	nr	5,400	108,000.00
D	Heat detector points	2	nr	3,500	7,000.00
E	Fire alarm bell points	7	nr	3,800	26,600.00
F	Electronic siren points	2	nr	5,300	10,600.00
G	Manual call points; break glass	10	nr	6,500	65,000.00
	<u>FIRE ALARM AND DETECTION EQUIPMENT</u>				
	<u>Fire alarm zone control panel; mild steel case; incorporating separate alarm and fault indicator for each zone; fault indicator for sounder circuits; individual zone controls; lamp test facility;</u>				
H	4 - zone Fire Alarm panel; GENT or approved equal including battery charger and battery, installed in accordance with manufacturer's instruction	1	nr	180,000	180,000.00
	To collection				439,200.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>ELECTRICAL ... INSTALLATIONS (Cont'd)</u>				
	<u>W50 FIRE DETECTION AND ALARM (Cont'd)</u>				
	<u>Y74 ACCESSORIES FOR ELECTRICAL SERVICE</u>				
	<u>Fire Alarm Accessories; GENT or Approved equal</u>				
A	Electronic sounder 24 volts	2	nr	35,000	70,000.00
B	Ionization smoke detector	15	nr	17,590	263,850.00
C	Fire alarm bell 24 volts	2	nr	10,000	20,000.00
D	Manual call point; break glass	6	nr	15,000	90,000.00
	<u>Earthing and Lightning Protection</u>				
	<u>Supply, install, test and commission Conventional Lightning Prevention System to BS6651. Earth terminal Networks shall not exceed 10 Ohms</u>				
E	Lightning Spike Arrestor complete with test clamp and all required accessories; S-6 Preventron or approved equal Lightning Preventor air terminal head	1	nr	350,000	250,000.00
F	Allow for Earthing of Lightning Prevention System complete with 25mm x 3mm bare copper tape and all required installation and operational accessories.		item		100,000.00
G	Allow for complete Earthing of the entire electrical installation complete with all necessary and required installation accessories		item		100,000.00
H	Allow for builders work in connection with Electrical Installations				50,000.00
J	Allow for connecting the building to Electrical Power source near the building as directed by the Electrical Engineer.		item		250,000.00
	<u>Y81 TESTING AND COMMISSIONING OF ELECTRICAL SERVICES</u>				
K	Allow for Testing and Commissioning of all Electrical Installations				100,000.00
	To collection				1,293,850.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTIONS</u>				
	PAGE NO 28				730,000.00
	PAGE NO 29				4,830,450.00
	PAGE NO 30				2,074,400.00
	PAGE NO 31				512,800.00
	PAGE NO 32				439,200.00
	PAGE NO 33				1,293,850.00
	<u>ELECTRICAL INSTALLATIONS CARRIED TO SUMMARY</u>				9,880,700.00
	<u>STRUCTURAL METALWORKS (PROVISIONAL COST)</u>				
	Allow provisional sum of # 5,000,000 for the construction of any required associated metal work in accordance to Architectural design.		sum		5,000,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY</u>				
	SUBSTRUCTURE				17,386,800.00
	FRAME				13,147,000.00
	UPPER FLOORS				11,538,000.00
	STAIRCASE				3,582,950.00
	ROOF				23,191,625.00
	INTERNAL AND EXTERNAL WALLS				10,632,000.00
	WINDOWS				15,654,395.00
	DOORS				6,796,000.00
	FITTINGS AND FIXTURE				11,750,000.00
	WALL FINISHES				22,536,600.00
	FLOOR FINISHES				10,305,500.00
	CEILING FINISHES				7,463,600.00
	MECHANICAL INSTALLATION				8,480,854.00
	ELECTRICAL, TELECOMMUNICATION AND FIRE ALARM INSTALLATION				9,880,700.00
	METALWORKS				5,000,000.00
	<u>MAIN BUILDING TO SUMMARY</u>				177,346,024.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED ADMINISTRATIVE BUILDING FOR ADOLESCENT AND YOUTH FRIENDLY CENTER, ADO-EKITLEKITI STATE, NIGERIA.</u>				
	<u>EXTERNAL PAVING AND PARKING</u>				
	<u>D20 EXCAVATING AND FILLING</u>				
	<u>EXCAVATING IN NORMAL FIRM GROUND</u>				
A	Cutting and filling to graded level	120	m ³	500	60,000.00
	<u>D25: EARTHWORKS</u>				
	<u>FILLING</u>				
	<u>Laterite Filling</u>				
B	Imported laterite filling well compacted and consolidated with approved compactor	60	m ³	2,500	150,000.00
	<u>Kerbs</u>				
C	Provide and lay approved type of precast concrete kersbs, 450mm x 150 x 350mm high finished fair on all exposed faces, bedded in plain insitu concrete (1 : 3 : 6 - 20mm aggregate) and jointed in cement mortal; chamfered back 50mm at top edge at 45 degree including concrete haunched up at back, excavation, disposal and formwork.	150	m	2,800	420,000.00
	<u>Interlocking Tiles</u>				
D	Provide and lay approved type of concrete interlocking , 40mm thick laid in walkways on quarry fine or river sand choking laid to fall and cross fall, shape and patterned as approved by Engineer (Parking Area)	350	m ²	3,500	1,225,000.00
	<u>Waterproofing</u>				
E	Polythene Sheet membrane spread on sand filling	350	m ²	250	87,500.00
	<u>DRIVEWAY AND PARKING TO SUMMARY</u>				
					1,942,500.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED ADMINISTRATIVE BUILDING FOR ADOLESCENT AND YOUTH FRIENDLY CENTER, ADO-EKITI, EKITI STATE, NIGERIA.</u>				
	<u>EXTERNAL SERVICES</u>				
	<u>D20 EXCAVATING AND FILLING</u>				
	<u>SURFACE WATER DRAINAGE</u>				
	<u>Trench Excavation width exceeding 0.30m</u>				
A	Excavate trench including working space maximum depth not exceeding 2.00m; commencing surface 150mm below existing ground level	27	m ³	600	16,200.00
	<u>D25: EARTHWORKS</u>				
	<u>DISPOSAL</u>				
B	Excavated materials; off site, deposit in spoil heap away from site	27	m ³	200	5,400.00
	<u>SURFACE TREATMENT</u>				
	<u>Compacting</u>				
C	Level and compact bottom of excavation and filling	26	m ²	200	5,200.00
	<u>E10: INSITU CONCRETE</u>				
	<i><u>Plain Insitu Vibrated Concrete; Grade 20</u></i>				
D	Drainage base	6	m ³	35,000	210,000.00
	<i><u>Reinforced Insitu Vibrated Concrete; Grade 25</u></i>				
E	Drainage wall; 230mm thick	16	m ³	28,000	448,000.00
	<u>Carried to collection</u>				684,800.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	EXTERNAL SERVICE CONT'D				
	<u>E20: FORMWORK FOR IN SITU CONCRETE</u>				
	<u>Sawn formwork to:</u>				
A	Sides of wall	100	m ²	1,800	180,000.00
	<u>E30: REINFORCEMENT FOR IN SITU CONCRETE</u>				
	<u>High tensile bars to BS 4449, straight in wall</u>				
B	12mm diameter bar	2.00	ton	600,000	1,200,000.00
C	10mm ditto	1.02	ton	600,000	612,000.00
	<u>12mm THICK CEMENT-SAND (1:3); PLAIN RENDERING; FINISHING TROWELLED</u>				
	Gutter Walls				
D	Surface over 300mm wide ; external	45	m ²	800	36,000.00
	<u>CEMENT-SAND (1:3) BEDS</u>				
	Floors; over 300mm wide				
E	42mm thick average;screeded bed; to falls to drain	25	m ²	900	22,500.00
	<u>Carried to collection</u>				2,050,500.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	EXTERNAL SERVICE CONT'D				
	<u>Manhole</u>				
A	Manhole size 450 x 450 x 600mm deep average constructed of 150mm plain concrete grade 15 base; 150mm plain hollow sandcrete blockwork filled solid with plain concrete and capped with 75mm thick pre-cast concrete grade 20 cover slab reinforced with single layer B.R.C nr 65 mesh; with 225mm concrete grade 15 benching and forming 150mm half round diameter in and rendering internally on sides in water proof cement mortal [1:3] with and including all necessary excavation, earthworks	2	nr	15,000	30,000.00
	<u>PIPEWORKS</u>				
	<u>Pipes; 4 bar;straight; upvc;push-fit jointed; in trenches and walls or floors; to falls; rate to include for connection to gully traps, inspection chambers, soakaway pits and septic tanks (measured separately)</u>				
	<u>Pipework</u>				
B	300mm; storm water pipe	40	m	1,500	60,000.00
	<i>Extra over 300mm UPVC pipe for;</i>				
C	300mm union connector	13	nr	850	11,050.00
	<u>Metal grille Cover</u>				
	<u>Carried to collection</u>				101,050.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	EXTERNAL SERVICE CONT'D				
	<u>FOUL WATER DRAINAGE</u>				
	<u>INSPECTION CHAMBERS</u>				
A	Inspection Chamber size 450 x 450 x 450mm deep average constructed of 150mm plain concrete grade 15 base; 150mm plain hollow sandcrete blockwork filled solid with plain concrete and capped with 75mm thick pre-cast concrete grade 20 cover slab reinforced with single layer B.R.C nr 65 mesh; with 225mm concrete grade 15 benching and forming 150mm half round diameter in and rendering internally on sides in water proof cement mortal [1:3] with and including all necessary excavation, earthworks	18	nr	15,000	270,000.00
	<u>MANHOLES</u>				
B	Manhole size 750 x 750 x 600mm deep average constructed of 150mm plain concrete grade 15 base; 150mm plain hollow sandcrete blockwork filled solid with plain concrete and capped with 75mm thick pre-cast concrete grade 20 cover slab reinforced with single layer B.R.C nr 65 mesh; with 225mm concrete grade 15 benching and forming 150mm half round diameter in and rendering internally on sides in water proof cement mortal [1:3] with and including all necessary excavation, earthworks	19	nr	15,000	285,000.00
	<u>Carried to collection</u>				555,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	EXTERNAL SERVICE CONT'D				
	<u>SEPTIC TANKS</u>				
A	Septic tank size 5700mm x 2000 x 1900mm deep internally of 230mm solid blockwork sides and 150mm thick reinforced concrete base including two attached Inspection Chambers all capped with 100mm precast concrete cover slab. The septic tank having 75mm (average) screed to base finished to falls and rendered all round and fitted with 50mm precast concrete baffle board 1200mm deep complete with all necessary reinforcement, formwork, excavation and disposal	2	nr	350,000	700,000.00
	<u>SOAKAWAY</u>				
B	Soakaway pit size 2400mm x 2000 x 1800mm deep internally of 230mm honeycomb sandcrete blocwork laid on side on 150 x 450mm wide concrete foundation and covered with 100mm precast concrete slab in sections and supported on 230 x 230mm reinforced concrete beam. The 600mm wide space around soakaway externally filled with loose rock and covered with galvanised iron sheets including lengths of 100mm diameter coated asbestos cement pipe with sawcuts at 150mm centres and including all necessary excavation and disposal	2	nr	250,000	500,000.00
	<u>PIPEWORKS</u>				
	<u>R12 FOUL WATER DRAINAGE</u>				
	<u>pipes;straight; upvc;push-fit jointed; in trenches and walls or floors; to falls; rate to include for connection to gully traps, inspection chambers, soakaway pits and septic tanks (measured separately)</u>				
	Pipework (Provisional)				
C	150mm; waste pipe	200	m	850	170,000.00
D	100mm; waste pipe	300	m	850	255,000.00
E	Allow sum for Courtyard associated drainage work as directed by Engineer.		item		150000
	<u>Carried to collection</u>				1,775,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	EXTERNAL SERVICE CONT'D				
	<u>FOUL WATER DRAINAGE (Cont'd)</u>				
	<u>PIPEWORKS (Cont'd)</u>				
	Extral over pipework; Upvc pipe; 150mm:				
A	150mm Elbow	20	nr	550	11,000.00
	<u>WATER SUPPLY</u>				
	<u>BOREHOLE</u>				
B	Allow for Geo-physical survey to determine availability of water	Item			25,000.00
C	Allow for Mobilization/Demobilization of Personnel, Materials and Equipment to and from site	Item			30,000.00
D	Drilling all through blind sedimentary/ Hard basement formations to maximum depth recommended in the survey report	100	m	650	65,000.00
E	Supply and install 150mm UPVC Casing	100	m	850	85,000.00
F	Supply and install 150mm UPVC Screen	100	m	850	85,000.00
G	50mm UPVC pipe riser main	100	m	450	45,000.00
H	Allow for Gravel pack of the borehole to avoid surface pollution	Item			30,000.00
J	Supply and install steel plate Wellhead with opening for flange connections and pump cables.	1	Nr.	20,000	20,000.00
K	allow sum for any item of work associated to this section as directed.		sum		50,000.00
	<u>Carried to collection</u>				446,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	WATER STORAGE TANKS AND PUMPS				
	Supply, deliver to site and install the following complete with all required installation and operational accessories				
A	3,000 litres capacity GEEPEE or other approved equal plastic overhead roof water storage tank on concrete roof complete with installation and operational accessories	2	nr	80,000	160,000.00
B	Float Switch complete with cabling accessories	2	set	12,000	24,000.00
C	Allow for associated electrical conduiting and cablings for pumps and panels.		sum	50,000	50,000.00
D	Allow for testing and commissioning of the entire installations		Sum	50,000	50,000.00
	WATER STORAGE TANKS carried to SUMMARY				284,000.00

ITEM	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
	EXTERNAL SERVICE CONT'D				
	<u>COLLECTIONS</u>				
	PAGE NO 1				684,800.00
	PAGE NO 2				2,050,500.00
	PAGE NO 3				101,050.00
	PAGE NO 4				555,000.00
	PAGE NO 5				1,775,000.00
	PAGE NO 6				446,000.00
	PAGE NO 7				284,000.00
	EXTERNAL SERVICES TO SUMMARY				5,896,350.00

GENERAL SUMMARY		AMOUNT	
<u>PROPOSED ADMINISTRATIVE BUILDING FOR ADOLESCENT AND YOUTH FRIENDLY CENTER, ADO-EKITI, EKITI STATE, NIGERIA.</u>			
PRELIMINARIES			2,850,000.00
MAIN BUILDING			177,346,024.00
DRIVE WAY AND PARKING LOT			1,942,500.00
EXTERNAL SERVICES			5,896,350.00
<u>ADD</u>		N	188,034,874.00
<u>CONTINGENCY</u>			
Allow for contingency to be used as directed by the Architect.			5,000,000.00
<u>ESTIMATED TOTAL COST</u>		N	193,034,874.00

PRICED BILL OF QUANTITIES

FOR THE

PROPOSED ADMINISTRATIVE BUILDING FOR ADOLESCENT AND YOUTH FRIENDLY CENTER,ADO-EKITI EKITI STATE

EMPLOYER

**ADOLFRIC
Ekiti Ekiti.**

PROJECT DEVELOPMENT/SUPERVISION

**DELLROCK ARCHITECTURE
Ado-Ekiti,Ekiti State.**