



ANTARTIC LIMITED

P. O. Box 405
Koforidua
Tel: 0342-026504

P. O. Box 15703
Accra - North
Tel: 0302-223674
0302-906957
Fax: 0302-248826

4th March, 2022

The Director of Physical Development and Real Estate

University of Cape Coast

Cape Coast-Ghana

Dear Sir,

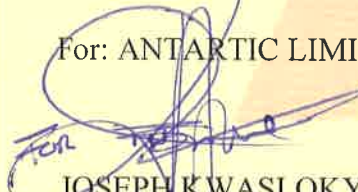
CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST- CAPE COAST

We kindly write to submit our quotation of **Twelve Million and Sixty- Seven Thousand, Eight Hundred and Sixty-Four Ghana Cedis, Twenty-Four Pesewas Only (GH¢ 12,067,864.24)** for the above-mentioned project.

Thank You and Counting on your usual co-operation.

Yours Faithfully,

For: ANTARTIC LIMITED


JOSEPH KWASI OKYERE
MANAGING DIRECTOR

ANTARTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION |
|--|--|
| <u>PHASE 1 - NORTH WING & CORE GROUND FLOOR</u> | |
| <u>PREAMBLE TO BILLS OF QUANTITIES</u> | |
| 1 | <p>These Preambles set out the bases on which the Bills of quantities have been prepared. Notwithstanding the these preambles, the Contractor is reminded that the Bid Drawings and the Specifications form part of the Bid Documents. Where a discrepancy occurs, the Bid Drawings and the Specifications will supercede the Bills of Quantities and it will be deemed that the Contractor has allowed for such discrepancy in his rates unless this is clarified specifically at the time of Bid.</p> |
| 2 | <p>The Contractor is directed to the Conditions of Contract, Technical Specifications, Scope and Description of Works and Tender Drawings that are to be read in conjunction with the Bills of Quantities and its Preamble. No other external documents shall be used for any references.</p> |
| 3 | <p>This is a Local Bidding Contract payable in local currency and the format of the Bill of Quantities is prepared accordingly to realize that requirement and it allows the Bidder to insert rates only in local currency.</p> |
| 4 | <p>The Bidder shall neither insert additional items in to the Bill of Quantities nor make any alterations to the item descriptions and quantities.</p> |
| 5 | <p>All estimated quantities stipulated in the Bills of Quantities or other Bid Documents are approximate and are to be used only as a basis for estimating the probable cost of the work and for the purpose of comparing the bids submitted for the work. The actual amount of work done under each unit price items may differ from the estimated quantities. The basis of payment for work will be the actual measured quantities. The Contractor agrees that he will make no claim for damages, anticipated profits or otherwise on account of any difference between the amounts of work actually performed and the estimated amount.</p> |
| 6 | <p>The Works as executed shall be measured for payment in accordance with the method adopted in the Bills of Quantities and under the item as therein set forth. The contractor's rate shall include for the complete execution of the works as depicted on the drawings and as specified in Technical Specifications. Measurement criteria, definition rules and additional description conditions shall apply where appropriate with the 'Standard Method of Measurements for Building Works 7th Edition (SMM7)' subject to specific changes for this Contract.</p> |
| 7 | <p>Notwithstanding any limits that may be implied by the wording of the individual items and /or explanation provided in this preamble, it is to be clearly understood by the contractor that the rates and sums that are entered in the Bills of Quantities shall be for the work finished complete in every respect. The bidder shall be deemed to have taken full account of all requirements and obligations whether expressed or implied, covered by all parts of this Contract and to have priced the items herein accordingly. The rates and sum shall therefore be included for all incidental and contingent expenses and risks of every kind necessary to construct, complete and maintain the whole of works in accordance with the Contract.</p> |
| 8 | <p>Where the bill of quantities does not include separate items for Contractor's equipment, temporary works, temporary site facilities of all kind and the like, the Contractor shall be deemed to have covered his obligations in these respects in the unit rates of the B.O.Q.</p> |
| 9 | <p>No claim shall be considered for further payment in respect of any work or method of execution, which may be described in the Contract or is inherent in the construction of the work and detailed on the drawings on account of;</p> <ul style="list-style-type: none"> i) items that have been omitted from the Bill of Quantities, but depicted on the drawings ii) any omission from the wording of the items |
| 10 | <p>Items against which no rates or sum is entered by the contractor whether quantities are stated or not shall not be paid for when executed, but will be regarded as covered by other rates in the Bill of Quantities.</p> |
| 11 | <p>Items marked "Provisional" in the Bills of Quantities are provisional and shall not be executed unless instructed by the Engineer. They may be expended wholly or in part as instructed by the Consultant.</p> |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|---|-----|------|------------|-------------------|
| PHASE 1 - NORTH WING & CORE GROUND FLOOR | | | | | |
| BILL NO. 1: PRELIMINARIES / GENERAL CONDITIONS | | | | | |
| <u>A20. The Contract/Sub-Contracts</u> | | | | | |
| A | Provide Performance Guarantee/ Bonds for the execution of the works | | Item | | |
| B | Insurance of the Works, Contractor's equipment and Third party Insurance with unlimited occurrences as specified in the Conditions of Contract | | Item | | |
| <u>A36. Employer's requirements: Facilities/Temporary work/Services</u> | | | | | |
| <u>Offices</u> | | | | | |
| C | Provide, service and maintain to the end of the works temporary office (20sq metre floor area) for the Project Manager and staff. | | Item | | |
| D | Include provisional sum of GH¢ 25,000.00 for furnishing and equipping the Project Manager's office. | | Item | | 25,000.00 |
| <u>Sanitary Accommodation</u> | | | | | |
| E | Provide and maintain temporary toilet accommodation for the use of the Consultants and other Employer's representatives | | Item | | |
| <u>Temporary Fences, Hoardings, Screens and Roofs</u> | | | | | |
| F | The Contractor shall provide and maintain all necessary temporary screens, hoardings, fencing and the like for the proper execution of the works for the protection of the public, occupants of adjoining premises and for meeting the requirements of any local or other authority and clear away when no longer required and shall reinstate all surfaces and services disturbed. | | Item | | |
| <u>Name Boards</u> | | | | | |
| G | Provide and erect 1No. wooden notice board size 2000mm x 1450mm overall in a prominent position on the site bearing the logo and name of the project, client and Consultants, and such other information as directed by the Consultant. The cost shall include erection, taking down, removing and making good all work disturbed. | | Item | | |
| <u>Consultant's Site Staff</u> | | | | | |
| H | Include a provisional sum of GH¢ 25,000.00 for Clerk-of-works (Mechanical Works) | | Item | | 25,000.00 |
| J | Include a provisional sum of GH¢ 25,000.00 for Clerk-of-work (Electrical Works) | | Item | | 25,000.00 |
| K | Include a provisional sum of GH¢50,000.00 for Resident Engineer | | Item | | 50,000.00 |
| <i>Carried Forward</i> | | | | | 125,000.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|---|-----|-------|------------|-------------------|
| | <i>Brought Back</i> | | | | 125,000.00 |
| | <u>Telephones Installations and Maintenance</u> | | | | |
| A | Provide and maintain telephone service to the office of the Project Manager and to the offices of such other persons of the Consultant's site staff as may be necessary for the full period of the works and | | Item | | |
| B | Include a provisional sum of GH¢5,000.00 for all appropriate telephone charges. | | Item | | 5,000.00 |
| | <u>A40. Contractor's general cost items: Management and staff</u> | | | | |
| | <u>General Foreman</u> | | | | |
| C | Provide for competent and authorized Agent or Foreman-In-Charge for full and adequate supervision during the progress of the works at all reasonable times. | | Item | | |
| | <u>A41. Contractor's general cost items: Site accommodation</u> | | | | |
| D | Provide, service and maintain to the end of the works temporary temporary office accommodation for the Contractor's staff and watertight sheds for the storage of materials, tools and for the use of operatives including sanitary facility on site for Contractor and staff | | Item | | |
| | <u>A42. Contractor's general cost items: Services and facilities</u> | | | | |
| | <u>Setting-Out of Works</u> | | | | |
| E | Provide for accurate set out of the works and determine levels from the drawings provided including all necessary surveying instruments and ancilliary items, and attendance necessary for the Consultant to check this work. | | Item | | |
| | <u>Material Investigation and Testing</u> | | | | |
| F | Include a provisional sum of GH¢10,000.00 for carrying out various material investigations and tests as described in the specifications to ensure that the required quality standards are achieved. | | Item | | 10,000.00 |
| | <u>Photographs</u> | | | | |
| G | Allow for supplying Six (6) copies of progress photographs per months to the Consultant throughout the duration of the contract and in half A4 sheet size. | 16 | Month | | |
| | <u>First Aid Box</u> | | | | |
| H | Provide for adequate first aid equipment which shall be available for the use of the workmen during working hours. | | Item | | |
| | <u>Lighting and Power for the Works</u> | | | | |
| J | Provide all artificial lighting and power for use on the works, pay all necessary charges, provide all temporary connections leads and fittings and clear away and make good on completion. | | Item | | |
| | <i>Carried Forward</i> | | | | 140,000.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|---|-----|------|------------|--------------|
| | <i>Brought Back</i> | | | | 140,000.00 |
| | <u>Water for the Works</u> | | | | |
| A | Provide clean, fresh water for use on the works, pay all necessary charges, provide all temporary connections, leads and fittings and clear away and make good on completion. | | Item | | |
| | <u>Rubbish Disposal and Cleaning</u> | | | | |
| B | Provide for the removal of all rubbish from the site both as it accumulates from time to time and on completion including keeping the site tidy throughout the construction period, and for cleaning the buildings inside and out, and for leaving the whole of the works clean on completion to the satisfaction of the Consultants. | | Item | | |
| | <u>Protection of work in all Sections</u> | | | | |
| C | Provide for carefully covering up and protecting all sections of the works or any adjoining property exposed by these works from adverse weather or other factors. | | Item | | |
| | <u>Security</u> | | | | |
| D | Provide for carrying out adequate security arrangement designed to prevent vandalism and theft and generally to protect the works, both permanent and temporary, and all materials and goods on the site by day and night including weekends and holidays. | | Item | | |
| | <u>Small Plant and Tools</u> | | | | |
| E | Provide for all necessary small plant such as barrows, planks, picks, shovel, etc. and small tools required in the execution of the works. | | Item | | |
| | <u>A43. Contractor's general cost items: Mechanical plant</u> | | | | |
| | <u>Cranes</u> | | | | |
| F | Allow for the costs of the provision and use of all necessary cranes for lifting materials and components on the site. | | Item | | |
| | <u>Hoists</u> | | | | |
| G | Allow for the costs of the provision and use of all necessary hoists for lifting materials and components on the site to carry out the works | | Item | | |
| | <u>Concrete Plant</u> | | | | |
| H | Allow for the costs of the provision and use of all concrete plant required for the execution of the works. | | Item | | |
| | <i>Carried Forward</i> | | | | 140,000.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|---|-----|----------|------------|---------------------|
| | <i>Brought Back</i> | | | | 140,000.00 |
| | <u>A44. Contractor's general cost items: Temporary works</u> | | | | |
| | <u>Support Scaffolding and Propping</u> | | | | |
| A | Provide for all necessary and standing scaffolding and propping for the execution of the works. | | Item | | |
| | <u>Removing Water</u> | | | | |
| B | Allow for pumping out or removing all water (whether arising from the nature of the ground, weather, spring, drains or any other source) which may accumulate in the excavations or elsewhere on the site during the progress on the Works. | | Item | | |
| | <u>A54. Provisional Work</u> | | | | |
| | <i>Include the following defined Provisional Sums for the Works as directed by the Consultant</i> | | | | |
| | <u>Testing</u> | | | | |
| C | Include a provisional sum of GH¢ 10,000.00 for tests to be conducted by the Consultant where necessary, on any materials or products at the manufacturer's premises as well as after delivery on site. | | Prov Sum | | 10,000.00 |
| | <u>As-Built Drawings, Operating and Maintenance Manual</u> | | | | |
| D | The Contractor shall arrange for and provide the Consultant at hand over of project, with an As-Built Drawings and operating and maintenance manual containing manufacture's printed brochures covering all items of plant, equipment and controls used in the building | | Prov Sum | | |
| | <u>Design modifications by Consultant</u> | | | | |
| C | Include a provisional sum of GH¢ 100,000.00 for Design modifications. | | Prov Sum | | 100,000.00 |
| | <u>BILL NO. 1: PRELIMINARIES / GENERAL CONDITIONS</u> | | | | |
| | Carried To General Summary | | | | |
| | | | | | 1,000,404.44 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|-------|----------------|------------|-------------------|
| PHASE 1 - NORTH WING & CORE GROUND FLOOR | | | | | |
| BILL No.2: NORTH WING | | | | | |
| BILL No. 2A: SUBSTRUCTURE (All Provisional) | | | | | |
| D. GROUNDWORK | | | | | |
| <u>D20. Excavating and Filling</u> | | | | | |
| <u>Site Preparation</u> | | | | | |
| A | Removing Trees, girth 600mm - 1.5m | 70 | nr | 950.00 | 66,500.00 |
| B | Clear site of all bushes, shrubs, undergrowth, cut down trees not exceeding 600mm girth, grub up all roots including disposal off site | 11115 | m ² | 5.00 | 55,575.00 |
| <u>Excavating</u> | | | | | |
| C | Pits, maximum depth not exceeding 4.0m; commencing at 150mm below existing ground level | 1361 | m ³ | 70.00 | 95,270.00 |
| D | Breaking out existing hard materials; Extra over for excavating in rocks or material requiring the use of wedges, special plant or explosives (Provisional) | 14 | m ³ | 380.00 | 5,320.00 |
| <u>Earthwork Support</u> | | | | | |
| E | Support to excavations in unstable ground, maximum depth not exceeding 4m | 260 | m ² | 30.00 | 7,800.00 |
| <u>Disposal</u> | | | | | |
| F | Load up surplus excavated material, wheel to a distance 100m and deposited in heaps or spread and level where directed | 253 | m ³ | 20.00 | 5,060.00 |
| <u>Filling to Excavations</u> | | | | | |
| G | Filling to excavations, consolidated in layers of average thickness not exceeding 0.25m with materials arising from the excavations | 589 | m ³ | 28.00 | 16,492.00 |
| H | Ditto, with approved imported fill material obtained off site | 253 | m ³ | 145.00 | 36,685.00 |
| <u>Filling to Make Up Levels</u> | | | | | |
| J | Provide, place, level and compact in layers not exceeding 150mm thick approved imported fill material to make up level to the required density as directed to receive concrete bed | 314 | m ³ | 145.00 | 45,530.00 |
| <u>Surface Treatments</u> | | | | | |
| K | Apply "Dusban" or other equally approved termite control chemical over compacted hardcore filling in accordance with manufacturer's instructions | 523 | m ² | 10.00 | 5,230.00 |
| D. GROUNDWORK | | | | | |
| <i>Carried To Summary of Bill No.2A</i> | | | | | |
| | | | | | 339,462.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|--|--|-------|----------------|------------|-------------------|
| E. IN SITU CONCRETE / LARGE PRECAST CONCRETE | | | | | |
| <u>E10. Mixing/ Casting/ Curing In situ concrete</u> | | | | | |
| <u>Plain ordinary in-situ concrete (15N/mm²- 19mm machine-crushed aggregate) as described in:</u> | | | | | |
| A | Blinding beds under column bases, thickness not exceeding 150mm poured on or against earth | 26 | m ³ | 690.00 | 17,940.00 |
| <u>Plain sulphate and chloride resistant in-situ concrete (30N/mm²-19mm machine-crushed aggregate) as per Section 7 of the specifications:</u> | | | | | |
| B | Steps and Ramps | 5 | m ³ | 980.00 | 4,900.00 |
| <u>Reinforced vibrated sulphate and chloride resistant in-situ concrete (30N/mm² - 19mm machine-crushed aggregate) as per Section 7 of the specifications:</u> | | | | | |
| C | Columns | 10 | m ³ | 980.00 | 9,800.00 |
| D | Walls, thickness 150 - 450mm | 12 | m ³ | 980.00 | 11,760.00 |
| E | Raft Foundation | 471 | m ³ | 980.00 | 461,580.00 |
| F | Bed thickness not exceeding 150mm | 56 | m ³ | 980.00 | 54,880.00 |
| G | Beams | 12 | m ³ | 980.00 | 11,760.00 |
| <u>Sawn formwork to:</u> | | | | | |
| H | Sides of foundation, plain vertical height 500mm - 1.00m | 90 | m ² | 75.00 | 6,750.00 |
| J | Sides of columns, rectangular shape plain vertical height exceeding 1.0m | 75 | m ² | 75.00 | 5,625.00 |
| K | Sides of walls, plain vertical height exceeding 1.0m | 60 | m ² | 75.00 | 4,500.00 |
| L | Sides and soffits of beams attached to slabs, rectangular shaped, height to soffit not exceeding 1.50m | 97 | m ² | 75.00 | 7,275.00 |
| M | Edges of beds, plain vertical height not exceeding 250mm | 89 | m | 18.75 | 1,668.75 |
| <u>E30. Reinforcement for In Situ Concrete</u> | | | | | |
| <u>High tensile reinforcement bar, straight or bent to B.S. 4449 as described in:</u> | | | | | |
| N | 32mm Diameter nominal size in column | 0.30 | t | 10,100.00 | 3,030.00 |
| O | 25mm Diameter nominal size in column | 2.30 | t | 10,100.00 | 23,230.00 |
| P | 25mm Diameter nominal size in foundations | 1.27 | t | 10,100.00 | 12,827.00 |
| Q | 20mm Diameter nominal size in column | 0.33 | t | 10,100.00 | 3,333.00 |
| R | 20mm Diameter nominal size in beams | 0.79 | t | 10,100.00 | 7,979.00 |
| S | 20mm Diameter nominal size in foundations | 24.18 | t | 10,100.00 | 244,218.00 |
| T | 16mm Diameter nominal size in walls | 0.63 | t | 10,100.00 | 6,363.00 |
| U | 16mm Diameter nominal size in beams | 0.66 | t | 10,100.00 | 6,666.00 |
| Carried Forward | | | | | 906,084.75 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-------|----------------|------------|---------------------|
| | Brought Back | | | | 906,084.75 |
| A | 16mm Diameter nominal size in foundations | 49.99 | t | 10,100.00 | 504,899.00 |
| B | 12mm Diameter nominal size in columns | 0.05 | t | 10,100.00 | 505.00 |
| C | 12mm Diameter nominal size in walls | 0.64 | t | 10,100.00 | 6,464.00 |
| D | 12mm Diameter nominal size in beams | 0.02 | t | 10,100.00 | 202.00 |
| E | 12mm diameter in foundations | 2.82 | t | 10,100.00 | 28,482.00 |
| | <u>High tensile reinforcement bar; links/strrups to B.S. 4449 as described in:</u> | | | | |
| F | 10mm Diameter nominal size in columns | 2.01 | t | 10,100.00 | 20,301.00 |
| G | 10mm Diameter nominal size in beams | 1.10 | t | 10,100.00 | 11,110.00 |
| | <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | |
| | <i>Carried To Summary of Bill No.2A</i> | | | | 1,478,047.75 |
| | <u>F. MASONRY</u> | | | | |
| | <u>F10. Brick/Block Walling</u> | | | | |
| | <u>Solid concrete blockwork minimum strength 5N/mm², laid in cement and sand mortar (1:4) as described in:-</u> | | | | |
| H | Walls; 150mm thick | 309 | m ² | 120.00 | 37,080.00 |
| | <u>F. MASONRY</u> | | | | |
| | <i>Carried To Summary of Bill No.2A</i> | | | | 37,080.00 |
| | <u>J. WATERPROOFING</u> | | | | |
| | <u>J30. Liquid applied tanking/ damp proofing</u> | | | | |
| J | Provide and apply bituminous coating or any other approved damp proof coating on all external surfaces of foundation walls, concrete and column bases | 338 | m ² | 200.00 | 67,600.00 |
| | <u>J40. Flexible sheet tanking/ damp proofing</u> | | | | |
| K | Provide and lay beneath floor bed , 0.6mm polyethene sheets or any other equally approved damp proof membrane lapped 300mm at joints, horizontally laid on compacted hardcore filling in accordance with manufacturer's instructions | 1046 | m ² | 10.00 | 10,460.00 |
| | <u>J. WATERPROOFING</u> | | | | |
| | <i>Carried To Summary of Bill No.2A</i> | | | | 78,060.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|----------------|------------|---------------------|
| | <u>M. SURFACE FINISHES</u> | | | | |
| | <u>M20 Plastered/Rendered Roughcast Coatings</u> | | | | |
| | <i>19mm thick cement and sand mortar (1:4) rendering as described in:</i> | | | | |
| A | Walls, width exceeding 300mm | 169 | m ² | 30.00 | 5,070.00 |
| | <u>M60 Painting/Clear finishing</u> | | | | |
| | <i>Prepare and apply two undercoats and one finishing coat of "Coralatex" or other equal approved acrylic emulsion paint on general surfaces</i> | | | | |
| B | Rendered wall, girth exceeding 300mm | 169 | m ² | 35.00 | 5,915.00 |
| | <u>M. SURFACE FINISHES</u> | | | | |
| | <i>Carried To Summary of Bill No.2A</i> | | | | 10,985.00 |
| | <u>ADDITIONAL WORKS IN SUBSTRUCTURE</u> | | | | |
| C | Include a Provisional Sum of GH¢ 100,000.00 for additional works in substructure | | Prov Sum | | 100,000.00 |
| | <u>ADDITIONAL WORKS IN SUBSTRUCTURE</u> | | | | |
| | <i>Carried To Summary of Bill No.2A</i> | | | | 100,000.00 |
| | <u>SUMMARY OF Bill No.2A</u> | | | | |
| | D. GROUNDWORK | | | | 339,462.00 |
| | E. IN SITU CONCRETE / LARGE PRECAST CONCRETE | | | | 1,478,047.75 |
| | F. MASONRY | | | | 37,080.00 |
| | J. WATERPROOFING | | | | 78,060.00 |
| | M. SURFACE FINISHES | | | | 10,985.00 |
| | ADDITIONAL WORKS IN SUBSTRUCTURE | | | | 100,000.00 |
| | <u>BILL No. 2A: SUBSTRUCTURE (All Provisional)</u> | | | | |
| | <i>Carried to Summary of Bill No.2</i> | | | | 2,043,634.75 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GHe) | AMOUNT (GHe) |
|--|--|-----|----------------|------------|-------------------|
| <u>PHASE 1 - NORTH WING & ENTRANCE CONCOURSE</u> | | | | | |
| <u>BILL No.2: NORTH WING</u> | | | | | |
| <u>SUPERSTRUCTURE</u> | | | | | |
| <u>BILL No. 2B: GROUND FLOOR</u> | | | | | |
| <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | | |
| <u>E10. Mixing/ Casting/ Curing In situ concrete</u> | | | | | |
| <u>Reinforced vibrated sulphate and chloride resistant in-situ concrete</u> <u>(30N/mm² - 19mm machine-crushed aggregate) as per Section 7 of the</u> <u>specifications:</u> | | | | | |
| A | Slabs, thickness not exceeding 150mm | 62 | m ³ | 980.00 | 60,760.00 |
| B | Walls, thickness 150 - 450mm | 24 | m ³ | 980.00 | 23,520.00 |
| C | Beams | 35 | m ³ | 980.00 | 34,300.00 |
| D | Lintels | 3 | m ³ | 980.00 | 2,940.00 |
| E | Columns | 23 | m ³ | 980.00 | 22,540.00 |
| F | Staircase, (Ref. Type 2) | 3 | m ³ | 980.00 | 2,940.00 |
| <u>E20. Formwork for In Situ Concrete</u> | | | | | |
| <u>Sawn formwork to:</u> | | | | | |
| G | Edges of suspended slabs, height not exceeding 250mm | 104 | m | 18.75 | 1,950.00 |
| H | Soffits of slabs, slab thickness not exceeding 200mm, height to soffit not exceeding 6.0m | 411 | m ² | 75.00 | 30,825.00 |
| J | Soffits of landings, slab thickness not exceeding 200mm, height to soffit not exceeding 6.0m (Ref. Type 2) | 13 | m ² | 75.00 | 975.00 |
| K | Sides of walls, vertical height exceeding 3.00m above floor level | 122 | m ² | 75.00 | 9,150.00 |
| L | Sides and soffits of beams attached to slabs, rectangular shaped, height to soffit not exceeding 4.50m | 311 | m ² | 75.00 | 23,325.00 |
| M | Sides of lintels | 45 | m ² | 75.00 | 3,375.00 |
| N | Sides of columns, height exceeding 3.0m above floor level | 176 | m ² | 75.00 | 13,200.00 |
| O | Soffits of staircase (Ref. Type 2) | 14 | m ² | 75.00 | 1,050.00 |
| P | Stairflights width 1.4m, 200mm waist and 170mm risers (Ref. Type 2) | 56 | m | 15.00 | 840.00 |
| <i>Carried Forward</i> | | | | | 231,690.00 |

ANTARTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|---|------|------|------------|-------------------|
| | <i>Brought Back</i> | | | | 231,690.00 |
| | <u>E30. Reinforcement for In Situ Concrete</u> | | | | |
| | <u>High tensile steel reinforcement bar, straight or bent to B.S. 4449 as described in:</u> | | | | |
| A | 32mm Diameter nominal size in columns | 0.43 | t | 10,100.00 | 4,343.00 |
| B | 32mm Diameter nominal size in beams | 0.12 | t | 10,100.00 | 1,212.00 |
| C | 25mm Diameter nominal size in beams | 2.74 | t | 10,100.00 | 27,674.00 |
| D | 25mm Diameter nominal size in column | 3.48 | t | 10,100.00 | 35,148.00 |
| E | 20mm Diameter nominal size in column | 0.52 | t | 10,100.00 | 5,252.00 |
| F | 20mm Diameter nominal size in beams | 2.40 | t | 10,100.00 | 24,240.00 |
| G | 16mm Diameter nominal size in walls | 1.50 | t | 10,100.00 | 15,150.00 |
| H | 16mm Diameter nominal size in slabs | 0.29 | t | 10,100.00 | 2,929.00 |
| J | 16mm Diameter nominal size in beams | 2.33 | t | 10,100.00 | 23,533.00 |
| K | 12mm Diameter nominal size in beams | 0.79 | t | 10,100.00 | 7,979.00 |
| L | 12mm Diameter nominal size in columns | 0.04 | t | 10,100.00 | 404.00 |
| M | 12mm Diameter nominal size in slab | 9.01 | t | 10,100.00 | 91,001.00 |
| N | 12mm Diameter nominal size in walls | 0.23 | t | 10,100.00 | 2,323.00 |
| O | 12mm Diameter nominal size in columns | 0.33 | t | 10,100.00 | 3,333.00 |
| P | 12mm Diameter nominal size in staircase type 2 | 0.69 | t | 10,100.00 | 6,969.00 |
| Q | 12mm Diameter nominal size in lintels | 0.11 | t | 10,100.00 | 1,111.00 |
| | <u>E30. Reinforcement for In Situ Concrete - cont'd</u> | | | | |
| | <u>High tensile steel steel reinforcement bar; links/strups to B.S. 4449 as described in:</u> | | | | |
| S | 10mm Diameter nominal size in columns | 1.76 | t | 10,100.00 | 17,776.00 |
| T | 10mm Diameter nominal size in beams | 2.29 | t | 10,100.00 | 23,129.00 |
| U | 10mm Diameter nominal size in lintels | 0.07 | t | 10,100.00 | 707.00 |
| | <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | |
| | <i>Carried To Summary of Bill No.2B</i> | | | | 525,903.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|------|----------------|------------|------------------|
| | <u>F. MASONRY</u> | | | | |
| | <u>F10. Brick/Block Walling</u> | | | | |
| | <i>Solid concrete blockwork minimum strength 5N/mm², laid in cement and sand mortar (1:4) as described in:-</i> | | | | |
| A | Walls; 150mm thick | 289 | m ² | 120.00 | 34,680.00 |
| | <u>F. MASONRY</u> | | | | |
| | <i>Carried To Summary of Bill No.2B</i> | | | | 34,680.00 |
| | <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | |
| | <u>G20. Carpentry/Timber framing/First fixing</u> | | | | |
| | <u>Ceiling Members</u> | | | | |
| | <i>All hardwood timber in this section to be 'Dahoma' or other approved equal, treated with with solignum or other approved equal wood treatment before fixing in position as per Drawings</i> | | | | |
| B | 50mm x 50mm ceiling noggings | 2186 | m | 12.00 | 26,232.00 |
| C | 50mm x 50mm ceiling hangers | 1749 | m | 12.00 | 20,988.00 |
| | <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | |
| | <i>Carried To Summary of Bill No.2B</i> | | | | 47,220.00 |
| | <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | |
| | <u>K32. Partition Panels</u> | | | | |
| | <u>Internal Dry Partition Walling</u> | | | | |
| D | Include a provisional sum of GH¢ 50,000.00 for the supply and installation of internal dry partition walling. | | Prov Sum | | 50,000.00 |
| | <u>K40. Suspended Ceilings</u> | | | | |
| | <u>Plastic tongued and grooved ceiling finishings</u> | | | | |
| E | 12 x 145mm uPlastic T & G profiles panellitic ceiling fixed to hardwood ceiling noggings (measured separately) as per manufacturers instructions | 411 | m ² | 100.00 | 41,100.00 |
| F | 50mm x 50mm uPlastic corner trims fixed to block or concrete | 104 | m | 10.00 | 1,040.00 |
| | <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | |
| | <i>Carried To Summary of Bill No.2B</i> | | | | 92,140.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|----------|------------|------------------|
| | <u>L. DOORS/ WINDOWS/STAIRS</u> | | | | |
| | <u>L10. Windows/rooflights/screens/louvres</u> | | | | |
| | <u>Aluminum Glazed Windows</u> | | | | |
| | <i>Supply and fix glazed aluminium window and frames; natural anodized coated aluminium profiles, factory glazed with 6mm clear tempered glass complete with all necessary ironmongery; fixing in position including fixtures, silicone and subframe in galvanized steel or aluminium as described in:-</i> | | | | |
| A | 2-Bay aluminum glazed sliding window, overall size 1600mm x 1250mm high (Ref. W2a) | 5 | nr | 2,400.00 | 12,000.00 |
| B | 3-Bay aluminum glazed sliding window, overall size 2400mm x 1500mm high (Ref. W3a) | 10 | nr | 4,320.00 | 43,200.00 |
| C | 2-Bay aluminum glazed sliding window, overall size 800mm x 700mm high (Ref. HW1) | 2 | nr | 1,200.00 | 2,400.00 |
| D | 2-Bay aluminum glazed sliding window, overall size 1600mm x 700mm high (Ref. HW2) | 1 | nr | 1,344.00 | 1,344.00 |
| | <u>Bedding and pointing</u> | | | | |
| E | Bedding and pointing 50 -150mm wide window aluminum subframe in cement mortar (1:4) | 117 | m | 10.00 | 1,170.00 |
| | <u>L20. Doors/Shutters/Hatches</u> | | | | |
| | <u>Aluminum doors</u> | | | | |
| | <i>Supply and fix into position "Alucobond" double faced composite panel door or other equally approved aluminium door, in natural anodized coated aluminium profiles (50mm thick), with 12mm cork between the panels, complete with all necessary ironmongery and silicone as described in:-</i> | | | | |
| F | Double leaf 2-way swing door, overall size 1800 x 2200mm high | 1 | nr | 5,000.00 | 5,000.00 |
| | <u>Timber Doors</u> | | | | |
| | <i>44mm thick wrot "Redwood" or equally approved hardwood panel door complete with architraves, comprising 100mm stiles, top and middle rails 150mm bottom rail, 4no. hardwood panes, wrot hardwood frames, jambs and heads 50 x 150mm wide, all finished with three coats of polyurethane lacquer two pairs of 100mm Heavy duty brass butt hinges with screws, 75mm Mortice Cylinder lock with a set of lever handle furniture as described in;</i> | | | | |
| G | Swing door in single leaf, overall size 900 x 2200mm high, complete with architraves (Ref. D1) | 4 | nr | 1,550.00 | 6,200.00 |
| | <u>Bedding and pointing</u> | | | | |
| H | Bedding and pointing 50-150mm wide door frame in cement mortar (1:4) | 28 | m | 10.00 | 280.00 |
| | <u>L30: Stairs/Walkways/ Balustrades</u> | | | | |
| | <i>Balustrades in steel; galvanised after fabrication</i> | | | | |
| J | Allow the provisional sum of GH¢ 3,000.00 for fabrication and installation stainless steel balustrade of size 950mm high overall, bolted to concrete along staircase in approved decoration and design complete with handrail. | | Prov Sum | | 3,000.00 |
| | <u>L. DOORS/ WINDOWS/STAIRS</u> | | | | |
| | <i>Carried To Summary of Bill No.2B</i> | | | | 74,594.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|-----|----------------|------------|-------------------|
| M. SURFACE FINISHES | | | | | |
| M10. Cement: Sand/ Concrete Screeds/ Toppings | | | | | |
| <i>Cement and sand (1:4) beds and backings as described in:</i> | | | | | |
| A | 12mm thick floated backing in one coat to receive wall tiles to ceiling level (measured separately), width exceeding 300mm | 82 | m ² | 24.00 | 1,968.00 |
| B | Ditto to receive 100mm high tile skirting (measured separately) | 117 | m | 2.40 | 280.80 |
| C | Ditto on risers, width 175mm | 112 | m | 4.20 | 470.40 |
| D | 40mm thick floor screeded bed to receive floor tiles (measured separately) width exceeding 300mm; level and to falls and crossfalls and to slopes not exceeding 15 degrees from horizontal | 365 | m ² | 57.00 | 20,805.00 |
| E | Ditto on treads, width 350mm | 104 | m | 19.95 | 2,074.80 |
| M20. Plastered/Rendered/Roughcast Coatings | | | | | |
| <i>19mm thick cement and sand (1:4) rendering as describe to block or concrete:</i> | | | | | |
| F | Walls and columns (Externally), width exceeding 300mm | 312 | m ² | 30.00 | 9,360.00 |
| <i>12mm thick cement and sand (1:4) rendering as describe to block or concrete:</i> | | | | | |
| G | Walls and columns (Internal surfaces), width exceeding 300mm | 504 | m ² | 24.00 | 12,096.00 |
| H | Soffits of staircase and landings, width exceeding 300mm | 31 | m ² | 24.00 | 744.00 |
| J | Soffits of concrete, width exceeding 300mm | 31 | m ² | 24.00 | 744.00 |
| M40. Stone/Concrete/Quarry/Ceramic Tiling/Mosaic | | | | | |
| <i>Tiles of approved colour fixed on backings or beds with adhesive, pointed and grouted in approved coloured grout to match as described in:</i> | | | | | |
| K | 300 x 200 x 6mm thick glazed ceramic wall tiles to ceiling height, width exceeding 300mm, laid to manufacturer's specification | 82 | m ² | 130.00 | 10,660.00 |
| L | 600 x 600 x 10mm thick semi-polished porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 352 | m ² | 200.00 | 70,400.00 |
| M | 400 x 400 x 10mm thick non-slip porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 13 | m ² | 200.00 | 2,600.00 |
| N | 600x100x10mm polished porcelain tile skirting fixed with an approved adhesive on screeded backing (measured separately) laid to manufacturer's specification | 117 | m | 20.00 | 2,340.00 |
| Carried Forward | | | | | 134,543.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|----------------|------------|-------------------|
| | <i>Brought Back</i> | | | | 134,543.00 |
| | <u>M. SURFACE FINISHES (Continued)</u> | | | | |
| | <u>M60. Painting / Clear finishing</u> | | | | |
| | <u>Internal Wall Skimming</u> | | | | |
| | <i>Prepare and apply two coats of "P.O.P" skimming on:</i> | | | | |
| A | Rendered walls, girth not exceeding 300mm | 504 | m ² | 25.00 | 12,600.00 |
| | <i>Prepare and apply two undercoats and one finishing coat of "Coralatex" or other equally approved emulsion paint in approved colour on general surfaces of:</i> | | | | |
| B | Rendered walls, girth exceeding 300mm (Internal Surfaces) | 504 | m ² | 35.00 | 17,640.00 |
| C | Rendered walls, girth exceeding 300mm (External Surfaces) | 312 | m ² | 35.00 | 10,920.00 |
| D | Soffits of staircase and landings, width exceeding 300mm | 31 | m ² | 35.00 | 1,085.00 |
| | <u>M. SURFACE FINISHES</u> | | | | |
| | <i>Carried To Summary of Bill No.2B</i> | | | | 176,788.00 |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <u>N10. General Fixtures/Furnishings/Equipment</u> | | | | |
| | <i>Fixtures, furnishings and equipment not associated with services in:</i> | | | | |
| | <u>Mirrors</u> | | | | |
| | Approved 5mm thick beveled edge polished plate mirror, size: 600 x 400mm wide screwed and plug to wall with four chromium plated dome headed screws (PC Sum GH¢120.00 /nr) | | | | |
| A | | 2 | nr | 125.00 | 250.00 |
| | <u>N15. Signs/ Notices</u> | | | | |
| | Supply and install washroom door signages in steel plates and labelled "Male" and "Female" | | | | |
| K | | 2 | nr | 1,500.00 | 3,000.00 |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <i>Carried To Summary of Bill No.2B</i> | | | | 3,250.00 |

ANTARTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|---|-----|------|------------|-------------------|
| | SUMMARY OF Bill No.2B | | | | |
| | E. IN SITU CONCRETE / LARGE PRECAST CONCRETE | | | | 525,903.00 |
| | F. MASONRY | | | | 34,680.00 |
| | H. CLADDING / COVERING | | | | 47,220.00 |
| | K. LININGS/ SHEATHING/ DRY PARTITIONING | | | | 92,140.00 |
| | L. DOORS/ WINDOWS/STAIRS | | | | 74,594.00 |
| | M. SURFACE FINISHES | | | | 176,788.00 |
| | N. FURNITURE / EQUIPMENT | | | | 3,250.00 |
| | BILL No. 2B: GROUND FLOOR Carried To Summary of Bill No.2 | | | | 954,575.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|-----|----------------|------------|-------------------|
| <u>PHASE 1 - NORTH WING & ENTRANCE CONCOURSE</u> | | | | | |
| <u>BILL No.2: NORTH WING</u> | | | | | |
| <u>SUPERSTRUCTURE</u> | | | | | |
| <u>BILL No. 2C: FIRST FLOOR</u> | | | | | |
| <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | | |
| <u>E10. Mixing/ Casting/ Curing In situ concrete</u> | | | | | |
| <i>Reinforced vibrated sulphate and chloride resistant in-situ concrete (30N/mm² - 19mm machine-crushed aggregate) as per Section 7 of the specifications:</i> | | | | | |
| A | Slabs, thickness not exceeding 150mm | 62 | m ³ | 980.00 | 60,760.00 |
| B | Walls, thickness 150 - 450mm | 24 | m ³ | 980.00 | 23,520.00 |
| C | Beams | 35 | m ³ | 980.00 | 34,300.00 |
| D | Lintels | 3 | m ³ | 980.00 | 2,940.00 |
| E | Columns | 23 | m ³ | 980.00 | 22,540.00 |
| F | Staircase, (Ref. Type 2) | 3 | m ³ | 980.00 | 2,940.00 |
| <u>E20. Formwork for In Situ Concrete</u> | | | | | |
| <u>Sawn formwork to:</u> | | | | | |
| G | Edges of suspended slabs, height not exceeding 250mm | 104 | m | 18.75 | 1,950.00 |
| H | Soffits of slabs, slab thickness not exceeding 200mm, height to soffit not exceeding 6.0m | 411 | m ² | 75.00 | 30,825.00 |
| J | Soffits of landings, slab thickness not exceeding 200mm, height to soffit not exceeding 6.0m (Ref. Type 2) | 13 | m ² | 75.00 | 975.00 |
| K | Sides of walls, vertical height exceeding 3.00m above floor level | 122 | m ² | 75.00 | 9,150.00 |
| L | Sides and soffits of beams attached to slabs, rectangular shaped, height to soffit not exceeding 4.50m | 311 | m ² | 75.00 | 23,325.00 |
| M | Sides of lintels | 45 | m ² | 75.00 | 3,375.00 |
| N | Sides of columns, height exceeding 3.0m above floor level | 231 | m ² | 75.00 | 17,325.00 |
| O | Soffits of staircase (Ref. Type 2) | 14 | m ² | 75.00 | 1,050.00 |
| P | Stairflights width 1.4m, 200mm waist and 170mm risers (Ref. Type 2) | 56 | m | 75.00 | 4,200.00 |
| <i>Carried Forward</i> | | | | | 239,175.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|---|------|------|------------|--------------|
| | <i>Brought Back</i> | | | | 239,175.00 |
| | <u>E30. Reinforcement for In Situ Concrete</u> | | | | |
| | <u>High tensile steel reinforcement bar, straight or bent to B.S. 4449 as described in:</u> | | | | |
| A | 25mm Diameter nominal size in column | 0.55 | t | 10,100.00 | 5,555.00 |
| B | 25mm Diameter nominal size in beams | 3.27 | t | 10,100.00 | 33,027.00 |
| C | 20mm Diameter nominal size in column | 2.43 | t | 10,100.00 | 24,543.00 |
| D | 20mm Diameter nominal size in beams | 3.01 | t | 10,100.00 | 30,401.00 |
| E | 16mm Diameter nominal size in walls | 1.55 | t | 10,100.00 | 15,655.00 |
| F | 16mm Diameter nominal size in columns | 0.26 | t | 10,100.00 | 2,626.00 |
| G | 16mm Diameter nominal size in beams | 2.96 | t | 10,100.00 | 29,896.00 |
| H | 16mm Diameter nominal size in slabs | 0.29 | t | 10,100.00 | 2,929.00 |
| J | 12mm Diameter nominal size in beams | 0.85 | t | 10,100.00 | 8,585.00 |
| K | 12mm Diameter nominal size in slab | 9.37 | t | 10,100.00 | 94,637.00 |
| L | 12mm Diameter nominal size in walls | 0.85 | t | 10,100.00 | 8,585.00 |
| M | 12mm Diameter nominal size in columns | 0.69 | t | 10,100.00 | 6,969.00 |
| O | 12mm Diameter nominal size in staircase type 2 | 0.69 | t | 10,100.00 | 6,969.00 |
| P | 12mm Diameter nominal size in lintels | 0.26 | t | 10,100.00 | 2,626.00 |
| | <u>High tensile steel reinforcement bar; links/strrups to B.S. 4449 as described in:</u> | | | | |
| Q | 6mm Diameter nominal size in walls | 0.03 | t | 10,100.00 | 303.00 |
| R | 10mm Diameter nominal size in columns | 3.33 | t | 10,100.00 | 33,633.00 |
| S | 10mm Diameter nominal size in beams | 2.66 | t | 10,100.00 | 26,866.00 |
| T | 10mm Diameter nominal size in lintels | 0.14 | t | 10,100.00 | 1,414.00 |
| | <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | |
| | <i>Carried To Summary of Bill No.2C</i> | | | | 574,394.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|------|----------------|------------|------------------|
| | <u>F. MASONRY</u> | | | | |
| | <u>F10. Brick/Block Walling</u> | | | | |
| | <i>Hollow concrete blockwork minimum strength 5N/mm², laid in cement and sand mortar (1:4) as described in:-</i> | | | | |
| A | Walls; 150mm thick | 273 | m ² | 120.00 | 32,760.00 |
| | <u>F. MASONRY</u> | | | | |
| | <i>Carried To Summary of Bill No.2C</i> | | | | 32,760.00 |
| | <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | |
| | <u>G20. Carpentry/Timber framing/First fixing</u> | | | | |
| | <u>Ceiling Members</u> | | | | |
| | <i>All hardwood timber in this section to be 'Dahoma' or other approved equal, treated with with solignum or other approved equal wood treatment before fixing in position as per Drawings</i> | | | | |
| B | 50mm x 50mm ceiling noggings | 2255 | m | 12.00 | 27,060.00 |
| C | 50mm x 50mm ceiling hangers | 1804 | m | 12.00 | 21,648.00 |
| | <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | |
| | <i>Carried To Summary of Bill No.2C</i> | | | | 48,708.00 |
| | <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | |
| | <u>K32. Partition Panels</u> | | | | |
| | <u>Internal Dry Partition Walling</u> | | | | |
| D | Include a provisional sum of GH¢ 50,000.00 for the supply and installation of internal dry partition walling. | | Prov Sum | | 50,000.00 |
| | <u>K40. Suspended Ceilings</u> | | | | |
| | <u>Plastic tongued and grooved ceiling finishings</u> | | | | |
| D | 12 x 145mm uPlastic T & G profiles panellitic ceiling fixed to hardwood ceiling noggings (measured separately) as per manufacturers instructions | 428 | m ² | 100.00 | 42,800.00 |
| E | 50mm x 50mm uPlastic corner trims fixed to block or concrete | 104 | m | 10.00 | 1,040.00 |
| | <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | |
| | <i>Carried To Summary of Bill No.2C</i> | | | | 93,840.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|----------|------------|--------------|
| | L. DOORS/ WINDOWS/STAIRS | | | | |
| | L10. Windows/rooflights/screens/louvres | | | | |
| | Aluminum Glazed Windows | | | | |
| | <i>Supply and fix glazed aluminium window and frames; natural anodized coated aluminium profiles, factory glazed with 6mm clear tempered glass complete with all necessary ironmongery; fixing in position including fixtures, silicone and subframe in galvanized steel or aluminium as described in:-</i> | | | | |
| A | 2-Bay aluminum glazed sliding window, overall size 1600mm x 2050mm high (Ref. W2) | 5 | nr | 3,936.00 | 19,680.00 |
| B | 2-Bay aluminum glazed sliding window, overall size 1600mm x 1250mm high (Ref. W2a) | 1 | nr | 2,400.00 | 2,400.00 |
| C | 3-Bay aluminum glazed sliding window, overall size 2400mm x 2050mm high (Ref. W3) | 10 | nr | 5,904.00 | 59,040.00 |
| D | 2-Bay aluminum glazed sliding window, overall size 800mm x 700mm high (Ref. HW1) | 2 | nr | 1,200.00 | 2,400.00 |
| E | 2-Bay aluminum glazed sliding window, overall size 1600mm x 700mm high (Ref. HW2) | 1 | nr | 1,344.00 | 1,344.00 |
| | Bedding and pointing | | | | |
| F | Bedding and pointing 50 -150mm wide window aluminum subframe in cement mortar (1:4) | 142 | m | 10.00 | 1,420.00 |
| | L20. Doors/Shutters/Hatches | | | | |
| | Aluminum Glazed doors | | | | |
| | <i>Supply and fix glazed aluminium doors and frames; natural anodized coated aluminium profiles, factory glazed with 6mm clear tempered glass complete with all necessary ironmongery; fixing in position including fixtures, silicone and subframe in galvanized steel or aluminium as described in:-</i> | | | | |
| G | Aluminum double leaf 2-way swing door, overall size 1800 x 2200mm high with 300mm x 600mm high plain glass panels (Ref. D3) | 1 | nr | 4,706.00 | 4,706.00 |
| | Timber Doors | | | | |
| | <i>44mm thick wrot "Redwood" or equally approved hardwood panel door complete with architraves, comprising 100mm stiles, top and middle rails 150mm bottom rail, 4no. hardwood panes, wrot hardwood frames, jamba and heads 50 x 150mm wide, all finished with three coats of polyurethane lacquer two pairs of 100mm Heavy duty brass butt hinges with screws, 75mm Mortice Cylinder lock with a set of lever handle furniture as described in;</i> | | | | |
| H | Swing door in single leaf, overall size 900 x 2200mm high, complete with architraves (Ref. D1) | 4 | nr | 1,550.00 | 6,200.00 |
| | Bedding and pointing | | | | |
| J | Bedding and pointing 50-150mm wide door frame in cement mortar (1:4) | 27 | m | 10.00 | 270.00 |
| | L30: Stairs/Walkways/ Balustrades | | | | |
| | <i>Balustrades in steel; galvanised after fabrication</i> | | | | |
| K | Allow the provisional sum of GH¢ 3,000.00 for fabrication and installation stainless steel balustrade of size 950mm high overall, bolted to concrete along staircase in approved decoration and design complete with handrail. | | Prov Sum | | 3,000.00 |
| | L. DOORS/ WINDOWS/STAIRS | | | | |
| | <i>Carried To Summary of Bill No.2C</i> | | | | 100,460.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH No.2C/4 of 7

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|-----|----------------|------------|-------------------|
| M. SURFACE FINISHES | | | | | |
| M10. Cement: Sand/ Concrete Screeds/ Toppings | | | | | |
| <i>Cement and sand (1:4) beds and backings as described in:</i> | | | | | |
| A | 12mm thick floated backing in one coat to receive wall tiles to ceiling level (measured separately), width exceeding 300mm | 84 | m ² | 24.00 | 2,016.00 |
| B | Ditto to receive 100mm high tile skirting (measured separately) | 126 | m | 2.40 | 302.40 |
| C | Ditto on risers, width 175mm | 112 | m | 4.20 | 470.40 |
| D | 40mm thick floor screeded bed to receive floor tiles (measured separately) width exceeding 300mm; level and to falls and crossfalls and to slopes not exceeding 15 degrees from horizontal | 449 | m ² | 57.00 | 25,593.00 |
| E | Ditto on treads, width 350mm | 104 | m | 19.95 | 2,074.80 |
| M20. Plastered/Rendered/Roughcast Coatings | | | | | |
| <i>19mm thick cement and sand (1:4) rendering as describe to block or concrete;</i> | | | | | |
| F | Walls and columns (Externally), width exceeding 300mm | 412 | m ² | 30.00 | 12,360.00 |
| <i>12mm thick cement and sand (1:4) rendering as describe to block or concrete;</i> | | | | | |
| G | Walls and columns (Internal surfaces), width exceeding 300mm | 508 | m ² | 24.00 | 12,192.00 |
| H | Soffits of staircase and landings, width exceeding 300mm | 31 | m ² | 24.00 | 744.00 |
| M40. Stone/Concrete/Quarry/Ceramic Tiling/Mosaic | | | | | |
| <i>Tiles of approved colour fixed on backings or beds with adhesive, pointed and grouted in approved coloured grout to match as described in:</i> | | | | | |
| J | 300 x 200 x 6mm thick glazed ceramic wall tiles to ceiling height, width exceeding 300mm, laid to manufacturer's specification | 84 | m ² | 130.00 | 10,920.00 |
| K | 600 x 600 x 10mm thick semi-polished porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 436 | m ² | 200.00 | 87,200.00 |
| L | 400 x 400 x 10mm thick non-slip porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 13 | m ² | 200.00 | 2,600.00 |
| M | 600x100x10mm polished porcelain tile skirting fixed with an approved adhesive on screeded backing (measured separately) laid to manufacturer's specification | 126 | m | 20.00 | 2,520.00 |
| M60. Painting / Clear finishing | | | | | |
| Internal Wall Skimming | | | | | |
| <i>Prepare and apply two coats of "P.O.P" skimming on:</i> | | | | | |
| N | Rendered walls, girth not exceeding 300mm | 508 | m ² | 25.00 | 12,700.00 |
| <i>Prepare and apply two undercoats and one finishing coat of "Coralatex" or other equally approved emulsion paint in approved colour on general surfaces of:</i> | | | | | |
| O | Rendered walls, girth exceeding 300mm (Internal Surfaces) | 508 | m ² | 35.00 | 17,780.00 |
| P | Rendered walls, girth exceeding 300mm (External Surfaces) | 412 | m ² | 35.00 | 14,420.00 |
| Q | Soffits of staircase and landings, width exceeding 300mm | 31 | m ² | 35.00 | 1,085.00 |
| M. SURFACE FINISHES | | | | | |
| <i>Carried To Summary of Bill No.2C</i> | | | | | 204,977.60 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|------|------------|-----------------|
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <u>N10. General Fixtures/Furnishings/Equipment</u> | | | | |
| | <i>Fixtures, furnishings and equipment not associated with services in:</i> | | | | |
| | <u>Mirrors</u> | | | | |
| A | Approved 5mm thick beveled edge polished plate mirror, size: 600 x 400mm wide screwed and plug to wall with four chromium plated dome headed screws (PC Sum GH¢120.00 /nr) | 2 | nr | 125.00 | 250.00 |
| | <u>N15. Signs/ Notices</u> | | | | |
| C | Supply and install washroom door signages in steel plates and labelled "Male" and "Female" | 2 | nr | 1,500.00 | 3,000.00 |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <i>Carried To Summary of Bill No.2C</i> | | | | 3,250.00 |

ANTAR TIC LIMITED
P. O., BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|------|------------|---------------------|
| | SUMMARY OF Bill No.2C | | | | |
| | E. IN SITU CONCRETE / LARGE PRECAST CONCRETE | | | | 574,394.00 |
| | F. MASONRY | | | | 32,760.00 |
| | G. STRUCTURAL / CARCASSING METAL / TIMBER | | | | 48,708.00 |
| | H. CLADDING / COVERING | | | | |
| | K. LININGS/ SHEATHING/ DRY PARTITIONING | | | | 93,840.00 |
| | L. DOORS/ WINDOWS/STAIRS | | | | 100,460.00 |
| | M. SURFACE FINISHES | | | | 204,977.60 |
| | N. FURNITURE / EQUIPMENT | | | | 3,250.00 |
| | BILL No. 2C: FIRST FLOOR | | | | |
| | Carried To Summary of Bill No.2 | | | | 1,058,389.60 |

ANTARTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|-----|----------------|------------|-------------------|
| <u>PHASE 1 - NORTH WING & ENTRANCE CONCOURSE</u> | | | | | |
| <u>BILL No.2: NORTH WING</u> | | | | | |
| <u>SUPERSTRUCTURE</u> | | | | | |
| <u>BILL No. 2D: SECOND FLOOR</u> | | | | | |
| <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | | |
| <u>E10. Mixing/ Casting/ Curing In situ concrete</u> | | | | | |
| <i>Reinforced vibrated sulphate and chloride resistant in-situ concrete (30N/mm² - 19mm machine-crushed aggregate) as per Section 7 of the specifications:</i> | | | | | |
| A | Slabs, thickness not exceeding 150mm | 76 | m ³ | 980.00 | 74,480.00 |
| B | Walls, thickness 150 - 450mm | 24 | m ³ | 980.00 | 23,520.00 |
| C | Beams | 43 | m ³ | 980.00 | 42,140.00 |
| D | Lintels | 4 | m ³ | 980.00 | 3,920.00 |
| E | Columns | 23 | m ³ | 980.00 | 22,540.00 |
| G | Staircase, (Ref. Type 2) | 3 | m ³ | 980.00 | 2,940.00 |
| <u>E20. Formwork for In Situ Concrete</u> | | | | | |
| <i>Sawn formwork to:</i> | | | | | |
| H | Edges of suspended slabs, height not exceeding 250mm | 104 | m | 18.75 | 1,950.00 |
| J | Soffits of slabs, slab thickness not exceeding 200mm, height to soffit not exceeding 6.0m | 411 | m ² | 75.00 | 30,825.00 |
| L | Soffits of landings, slab thickness not exceeding 200mm, height to soffit not exceeding 6.0m (Ref. Type 2) | 13 | m ² | 75.00 | 975.00 |
| M | Sides of walls, vertical height exceeding 3.00m above floor level | 122 | m ² | 75.00 | 9,150.00 |
| N | Sides and soffits of beams attached to slabs, rectangular shaped, height to soffit not exceeding 4.50m | 382 | m ² | 75.00 | 28,650.00 |
| O | Sides of lintels | 54 | m ² | 75.00 | 4,050.00 |
| P | Sides of columns, height exceeding 3.0m above floor level | 230 | m ² | 75.00 | 17,250.00 |
| R | Soffits of staircase (Ref. Type 2) | 14 | m ² | 75.00 | 1,050.00 |
| T | Stairflights width 1.4m, 200mm waist and 170mm risers (Ref. Type 2) | 56 | m | 15.00 | 840.00 |
| <i>Carried Forward</i> | | | | | 264,280.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-------|------|------------|-------------------|
| | <i>Brought Back</i> | | | | 264,280.00 |
| | <u>E30. Reinforcement for In Situ Concrete</u> | | | | |
| | <u>High tensile steel reinforcement bar, straight or bent to B.S. 4449 as described in:</u> | | | | |
| A | 25mm Diameter nominal size in columns | 0.55 | t | 10,100.00 | 5,555.00 |
| B | 25mm Diameter nominal size in beams | 2.56 | t | 10,100.00 | 25,856.00 |
| C | 20mm Diameter nominal size in column | 2.43 | t | 10,100.00 | 24,543.00 |
| D | 20mm Diameter nominal size in beams | 1.96 | t | 10,100.00 | 19,796.00 |
| E | 16mm Diameter nominal size in walls | 1.63 | t | 10,100.00 | 16,463.00 |
| F | 16mm Diameter nominal size in beams | 1.91 | t | 10,100.00 | 19,291.00 |
| G | 12mm Diameter nominal size in beams | 0.48 | t | 10,100.00 | 4,848.00 |
| H | 12mm Diameter nominal size in slab | 11.99 | t | 10,100.00 | 121,099.00 |
| J | 12mm Diameter nominal size in walls | 0.86 | t | 10,100.00 | 8,686.00 |
| K | 12mm Diameter nominal size in columns | 0.69 | t | 10,100.00 | 6,969.00 |
| L | 12mm Diameter nominal size in staircase type 2 | 0.69 | t | 10,100.00 | 6,969.00 |
| M | 12mm Diameter nominal size in lintels | 0.11 | t | 10,100.00 | 1,111.00 |
| | <u>High tensile steel steel reinforcement bar; links/strrups to B.S. 4449 as described in:</u> | | | | |
| N | 6mm Diameter nominal size in walls | 0.03 | t | 10,100.00 | 303.00 |
| O | 10mm Diameter nominal size in columns | 3.32 | t | 10,100.00 | 33,532.00 |
| P | 10mm Diameter nominal size in beams | 1.65 | t | 10,100.00 | 16,665.00 |
| Q | 10mm Diameter nominal size in lintels | 0.06 | t | 10,100.00 | 606.00 |
| | <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | |
| | <i>Carried To Summary of Bill No.2D</i> | | | | 576,572.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|------|----------------|------------|------------------|
| | <u>F. MASONRY</u> | | | | |
| | <u>F10. Brick/Block Walling</u> | | | | |
| | <i>Hollow concrete blockwork minimum strength 5N/mm², laid in cement and sand mortar (1:4) as described in:-</i> | | | | |
| A | Walls; 150mm thick | 377 | m ² | 120.00 | 45,240.00 |
| | <u>F. MASONRY</u> | | | | |
| | <i>Carried To Summary of Bill No.2D</i> | | | | 45,240.00 |
| | <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | |
| | <u>G20. Carpentry/Timber framing/First fixing</u> | | | | |
| | <u>Sawn Structural Hardwood Roof Trusses</u> | | | | |
| | <i>All hardwood timber in this section to be 'Dahoma' or other approved equal, treated with solignum or other approved equal wood treatment before fixing in position as per Drawings. The works shall include fixing bolts and plates</i> | | | | |
| | <i>The following in 7No. Roof trusses size 6200mm span x 1495mm rise overall at 2000mm centres, framed and bolted together:</i> | | | | |
| B | 50 x 150mm Top chord | 94 | m | 38.00 | 3,572.00 |
| C | 50 x 150mm Bottom chord | 86 | m | 38.00 | 3,268.00 |
| D | 50 x 150mm Web | 33 | m | 38.00 | 1,254.00 |
| | <u>Roof and Ceiling Members</u> | | | | |
| | <i>All hardwood timber in this section to be 'Dahoma' or other approved equal, treated with solignum or other approved equal wood treatment before fixing in position as per Drawings</i> | | | | |
| E | 50 x 150mm purlins | 97 | m | 38.00 | 3,686.00 |
| F | 50mm x 50mm ceiling noggings | 2238 | m | 12.00 | 26,856.00 |
| G | 50mm x 50mm ceiling hangers | 1791 | m | 12.00 | 21,492.00 |
| | <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | |
| | <i>Carried To Summary of Bill No.2D</i> | | | | 60,128.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|---|-----|----------------|------------|------------------|
| H. CLADDING / COVERING | | | | | |
| <u>H72. Aluminium sheet coverings/flashings</u> | | | | | |
| <i>Supply and fixing of 0.6mm pre-painted long span aluminium roofing sheet covering fixed to hardwood purlins (measured separately) with two corrugation side laps including drive screws, nuts and washers, etc in accordance with manufacturer's instruction including all fixing accessories as described in:</i> | | | | | |
| A | Roof coverings, pitch not exceeding 30 degree | 83 | m ² | 200.00 | 16,600.00 |
| <u>Roof Treatment</u> | | | | | |
| B | Supply and Fixing of approved insulating material or fillets at junction of roofs and vertical walls. | 15 | m | 36.00 | 540.00 |
| H. CLADDING / COVERING | | | | | 17,140.00 |
| <i>Carried To Summary of Bill No.2D</i> | | | | | |
| <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | | |
| <u>K32. Partition Panels</u> | | | | | |
| <u>Internal Dry Partition Walling</u> | | | | | |
| C | Include a provisional sum of GH¢ 50,000.00 for the supply and installation of internal dry partition walling. | | Prov Sum | | 50,000.00 |
| <u>K40. Suspended Ceilings</u> | | | | | |
| <u>Plastic tongued and grooved ceiling finishings</u> | | | | | |
| D | 12 x 145mm uPlastic T & G profiles panellitic ceiling fixed to hardwood ceiling noggins (measured separately) as per manufacturers instructions | 428 | m ² | 100.00 | 42,800.00 |
| E | 50mm x 50mm uPlastic corner trims fixed to block or concrete | 147 | m | 10.00 | 1,470.00 |
| <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | | 94,270.00 |
| <i>Carried To Summary of Bill No.2D</i> | | | | | |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|---|-----|------|------------|------------------|
| <u>L. DOORS/ WINDOWS/STAIRS</u> | | | | | |
| <u>L10. Windows/rooflights/screens/louvres</u> | | | | | |
| <u>Aluminum Glazed Windows</u> | | | | | |
| <i>Supply and fix glazed aluminium window and frames; natural anodized coated aluminium profiles, factory glazed with 6mm clear tempered glass complete with all necessary ironmongery; fixing in position including fixtures, silicone and subframe in galvanized steel or aluminium as described in:-</i> | | | | | |
| A | 2-Bay aluminum glazed sliding window, overall size 1600mm x 2050mm high (Ref. W2) | 5 | nr | 3,936.00 | 19,680.00 |
| B | 2-Bay aluminum glazed sliding window, overall size 1600mm x 1250mm high (Ref. W2a) | 1 | nr | 2,400.00 | 2,400.00 |
| C | 3-Bay aluminum glazed sliding window, overall size 2400mm x 2050mm high (Ref. W3) | 10 | nr | 5,904.00 | 59,040.00 |
| D | 2-Bay aluminum glazed sliding window, overall size 800mm x 700mm high (Ref. HW1) | 2 | nr | 1,200.00 | 2,400.00 |
| F | 2-Bay aluminum glazed sliding window, overall size 1600mm x 700mm high (Ref. HW2) | 1 | nr | 1,344.00 | 1,344.00 |
| <u>Bedding and pointing</u> | | | | | |
| G | Bedding and pointing 50 -150mm wide window aluminum subframe in cement mortar (1:4) | 142 | m | 10.00 | 1,420.00 |
| <u>L20. Doors/Shutters/Hatches</u> | | | | | |
| <u>Aluminum Glazed doors</u> | | | | | |
| <i>Supply and fix glazed aluminium doors and frames; natural anodized coated aluminium profiles, factory glazed with 6mm clear tempered glass complete with all necessary ironmongery; fixing in position including fixtures, silicone and subframe in galvanized steel or aluminium as described in:-</i> | | | | | |
| H | Aluminum double leaf 2-way swing door, overall size 1800 x 2200mm high with 300mm x 600mm high plain glass panels (Ref. D3) | 1 | nr | 4,706.00 | 4,706.00 |
| Carried Forward | | | | | 90,990.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|-------------|------------|-------------------|
| | <i>Brought Back</i> | | | | 90,990.00 |
| | <u>L. DOORS/ WINDOWS/STAIRS (Continued)</u> | | | | |
| | <u>Timber Doors</u> | | | | |
| | <i>44mm thick wrot "Redwood" or equally approved hardwood panel door complete with architraves, comprising 100mm stiles, top and middle rails 150mm bottom rail, 4no. hardwood panes, wrot hardwood frames, jambs and heads 50 x 150mm wide, all finished with three coats of polyurethane lacquer two pairs of 100mm Heavy duty brass butt hinges with screws, 75mm Mortice Cylinder lock with a set of lever handle furniture as described in;</i> | | | | |
| A | Swing door in single leaf, overall size 900 x 2200mm high, complete with architraves (Ref. D1) | 5 | nr | 1,550.00 | 7,750.00 |
| B | Swing door in single leaf, overall size 900 x 2200mm high, complete with architraves (Ref. D2) | 1 | nr | 1,550.00 | 1,550.00 |
| | <u>Bedding and pointing</u> | | | | |
| C | Bedding and pointing 50-150mm wide door frame in cement mortar (1:4) | 38 | m | 10.00 | 380.00 |
| | <u>L30: Stairs/Walkways/ Balustrades</u> | | | | |
| | <i>Balustrades in steel; galvanised after fabrication</i> | | | | |
| D | Allow the provisional sum of GH¢ 3,000.00 for fabrication and installation stainless steel balustrade of size 950mm high overall, bolted to concrete along staircase in approved decoration and design complete with handrail. | | Prov Sum | | 3,000.00 |
| | <u>L. DOORS/ WINDOWS/STAIRS</u> | | | | |
| | <i>Carried To Summary of Bill No.2D</i> | | | | 103,670.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|-----|----------------|------------|-------------------|
| M. SURFACE FINISHES | | | | | |
| M10. Cement: Sand/ Concrete Screeds/ Toppings | | | | | |
| <i>Cement and sand (1:4) beds and backings as described in:</i> | | | | | |
| A | 12mm thick floated backing in one coat to receive wall tiles to ceiling level (measured separately), width exceeding 300mm | 105 | m ² | 24.00 | 2,520.00 |
| B | Ditto to receive 100mm high tile skirting (measured separately) | 141 | m | 2.40 | 338.40 |
| C | Ditto on risers, width 175mm | 112 | m | 4.20 | 470.40 |
| D | 40mm thick floor screeded bed to receive floor tiles (measured separately) width exceeding 300mm; level and to falls and crossfalls and to slopes not exceeding 15 degrees from horizontal | 449 | m ² | 57.00 | 25,593.00 |
| E | Ditto on treads, width 350mm | 104 | m | 19.95 | 2,074.80 |
| M20. Plastered/Rendered/Roughcast Coatings | | | | | |
| <i>19mm thick cement and sand (1:4) rendering as describe to block or concrete;</i> | | | | | |
| F | Walls and columns (Externally), width exceeding 300mm | 422 | m ² | 30.00 | 12,660.00 |
| <i>12mm thick cement and sand (1:4) rendering as describe to block or concrete;</i> | | | | | |
| G | Walls and columns (Internal surfaces), width exceeding 300mm | 607 | m ² | 24.00 | 14,568.00 |
| H | Soffits of staircase and landings, width exceeding 300mm | 31 | m ² | 24.00 | 744.00 |
| J | Soffits of concrete, width exceeding 300mm | 31 | m ² | 24.00 | 744.00 |
| M40. Stone/Concrete/Quarry/Ceramic Tiling/Mosaic | | | | | |
| <i>Tiles of approved colour fixed on backings or beds with adhesive, pointed and grouted in approved coloured grout to match as described in:</i> | | | | | |
| K | 300 x 200 x 6mm thick glazed ceramic wall tiles to ceiling height, width exceeding 300mm, laid to manufacturer's specification | 105 | m ² | 130.00 | 13,650.00 |
| L | 600 x 600 x 10mm thick semi-polished porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 436 | m ² | 200.00 | 87,200.00 |
| M | 400 x 400 x 10mm thick non-slip porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 13 | m ² | 200.00 | 2,600.00 |
| N | 600x100x10mm polished porcelain tile skirting fixed with an approved adhesive on screeded backing (measured separately) laid to manufacturer's specification | 141 | m | 20.00 | 2,820.00 |
| Carried Forward | | | | | 165,982.60 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|----------------|------------|-------------------|
| | <i>Brought Back</i> | | | | 165,982.60 |
| | <u>M60. Painting / Clear finishing</u> | | | | |
| | <u>Internal Wall Skimming</u> | | | | |
| | <i>Prepare and apply two coats of "P.O.P" skimming on:</i> | | | | |
| A | Rendered walls, girth not exceeding 300mm | 607 | m ² | 25.00 | 15,175.00 |
| | <i>Prepare and apply two undercoats and one finishing coat of "Coralatex" or other equally approved emulsion paint in approved colour on general surfaces of:</i> | | | | |
| B | Rendered walls, girth exceeding 300mm (Internal Surfaces) | 607 | m ² | 35.00 | 21,245.00 |
| C | Rendered walls, girth exceeding 300mm (External Surfaces) | 422 | m ² | 35.00 | 14,770.00 |
| D | Soffits of staircase and landings, width exceeding 300mm | 31 | m ² | 35.00 | 1,085.00 |
| E | Soffits of concrete, width exceeding 300mm | 31 | m ² | 35.00 | 1,085.00 |
| | <u>M. SURFACE FINISHES</u> | | | | |
| | <i>Carried To Summary of Bill No.2D</i> | | | | 219,342.60 |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <u>N10. General Fixtures/Furnishings/Equipment</u> | | | | |
| | <i>Fixtures, furnishings and equipment not associated with services in:</i> | | | | |
| | <u>Mirrors</u> | | | | |
| F | Approved 5mm thick bellevé edge polished plate mirror, size: 600 x 400mm wide screwed and plug to wall with four chromium plated dome headed screws (PC Sum GH¢120.00 /nr) | 2 | nr | 125.00 | 250.00 |
| | <u>N15. Signs/ Notices</u> | | | | |
| G | Supply and install washroom door signages in steel plates and labelled "Male" and "Female" | 2 | nr | 1,500.00 | 3,000.00 |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <i>Carried To Summary of Bill No.2D</i> | | | | 3,250.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|------|------------|--------------|
| | <u>SUMMARY OF Bill No.2D</u> | | | | |
| | E. IN SITU CONCRETE / LARGE PRECAST CONCRETE | | | | 576,572.00 |
| | F. MASONRY | | | | 45,240.00 |
| | G. STRUCTURAL / CARCASSING METAL / TIMBER | | | | 60,128.00 |
| | H. CLADDING / COVERING | | | | 17,140.00 |
| | K. LININGS/ SHEATHING/ DRY PARTITIONING | | | | 94,270.00 |
| | L. DOORS/ WINDOWS/STAIRS | | | | 103,670.00 |
| | M. SURFACE FINISHES | | | | 219,342.60 |
| | N. FURNITURE / EQUIPMENT | | | | 3,250.00 |
| | <u>BILL No. 2D: SECOND FLOOR</u> | | | | |
| | Carried To Summary of Bill No.2 | | | | 1,119,612.60 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|-----|----------------|------------|-------------------|
| <u>PHASE 1 - NORTH WING & ENTRANCE CONCOURSE</u> | | | | | |
| <u>SUPERSTRUCTURE</u> | | | | | |
| <u>BILL No. 2E: THIRD FLOOR</u> | | | | | |
| <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | | |
| <u>E10. Mixing/ Casting/ Curing In situ concrete</u> | | | | | |
| <i>Reinforced vibrated sulphate and chloride resistant in-situ concrete (30N/mm² - 19mm machine-crushed aggregate) as per Section 7 of the specifications:</i> | | | | | |
| A | Slabs, thickness not exceeding 150mm | 76 | m ³ | 980.00 | 74,480.00 |
| B | Beams | 43 | m ³ | 980.00 | 42,140.00 |
| C | Lintels | 4 | m ³ | 980.00 | 3,920.00 |
| D | Columns | 23 | m ³ | 980.00 | 22,540.00 |
| F | Staircase, (Ref. Type 2) | 3 | m ³ | 980.00 | 2,940.00 |
| <u>E20. Formwork for In Situ Concrete</u> | | | | | |
| <i>Sawn formwork to:</i> | | | | | |
| G | Edges of suspended slabs, height not exceeding 250mm | 672 | m | 18.75 | 12,600.00 |
| H | Soffits of slabs, slab thickness not exceeding 200mm, height to soffit not exceeding 6.0m | 90 | m ² | 75.00 | 6,750.00 |
| K | Soffits of landings, slab thickness not exceeding 200mm, height to soffit not exceeding 6.0m (Ref. Type 2) | 13 | m ² | 75.00 | 975.00 |
| L | Sides and soffits of beams attached to slabs, rectangular shaped, height to soffit not exceeding 4.50m | 382 | m ² | 75.00 | 28,650.00 |
| M | Sides of lintels | 53 | m ² | 75.00 | 3,975.00 |
| N | Sides of columns, height exceeding 3.0m above floor level | 230 | m ² | 75.00 | 17,250.00 |
| P | Soffits of staircase (Ref. Type 2) | 14 | m ² | 75.00 | 1,050.00 |
| R | Stairflights width 1.4m, 200mm waist and 170mm risers (Ref. Type 2) | 56 | m | 15.00 | 840.00 |
| <i>Carried Forward</i> | | | | | 218,110.00 |

ANTARTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|--|---|-------|------|------------|-------------------|
| | <i>Brought Back</i> | | | | 218,110.00 |
| | <u>E30. Reinforcement for In Situ Concrete</u> | | | | |
| | <u>High tensile steel reinforcement bar, straight or bent to B.S. 4449 as described in:</u> | | | | |
| A | 25mm Diameter nominal size in beams | 2.32 | t | 10,100.00 | 23,432.00 |
| B | 25mm Diameter nominal size in column | 0.55 | t | 10,100.00 | 5,555.00 |
| C | 20mm Diameter nominal size in column | 2.52 | t | 10,100.00 | 25,452.00 |
| D | 20mm Diameter nominal size in beams | 1.69 | t | 10,100.00 | 17,069.00 |
| E | 16mm Diameter nominal size in beams | 1.47 | t | 10,100.00 | 14,847.00 |
| F | 12mm Diameter nominal size in beams | 0.44 | t | 10,100.00 | 4,444.00 |
| G | 12mm Diameter nominal size in slab | 11.22 | t | 10,100.00 | 113,322.00 |
| H | 12mm Diameter nominal size in columns | 0.69 | t | 10,100.00 | 6,969.00 |
| J | 12mm Diameter nominal size in staircase type 2 | 0.69 | t | 10,100.00 | 6,969.00 |
| K | 12mm Diameter nominal size in lintels | 0.10 | t | 10,100.00 | 1,010.00 |
| | <u>High tensile steel reinforcement bar; links/strrups to B.S. 4449 as described in:</u> | | | | |
| L | 10mm Diameter nominal size in columns | 3.32 | t | 10,100.00 | 33,532.00 |
| M | 10mm Diameter nominal size in beams | 1.40 | t | 10,100.00 | 14,140.00 |
| N | 10mm Diameter nominal size in lintels | 0.06 | t | 10,100.00 | 606.00 |
| <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | | |
| <i>Carried To Summary of Bill No.2E</i> | | | | | 485,457.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|------|----------------|------------|------------------|
| | <u>F. MASONRY</u> | | | | |
| | <u>F10. Brick/Block Walling</u> | | | | |
| | <i>Hollow concrete blockwork minimum strength 5N/mm², laid in cement and sand mortar (1:4) as described in:-</i> | | | | |
| A | Walls; 150mm thick | 342 | m ² | 120.00 | 41,040.00 |
| B | Parapet walls; 150mm thick | 36 | m ² | 120.00 | 4,320.00 |
| | <u>F. MASONRY</u> | | | | |
| | <i>Carried To Summary of Bill No.2E</i> | | | | 45,360.00 |
| | <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | |
| | <u>G20. Carpentry/Timber framing/First fixing</u> | | | | |
| | <u>Sawn Structural Hardwood Roof Trusses</u> | | | | |
| | <i>All hardwood timber in this section to be 'Dahoma' or other approved equal, treated with solignum or other approved equal wood treatment before fixing in position as per Drawings. The works shall include fixing bolts and plates</i> | | | | |
| | The following in 8No. Roof trusses size 6460mm span x 1495mm rise overall at 2000mm centres, framed and bolted together: | | | | |
| C | 50 x 150mm Top chord | 108 | m | 38.00 | 4,104.00 |
| D | 50 x 150mm Bottom chord | 104 | m | 38.00 | 3,952.00 |
| E | 50 x 150mm Web | 37 | m | 38.00 | 1,406.00 |
| | <u>Roof and Ceiling Members</u> | | | | |
| | <i>All hardwood timber in this section to be 'Dahoma' or other approved equal, treated with solignum or other approved equal wood treatment before fixing in position as per Drawings</i> | | | | |
| F | 50 x 150mm purlins | 53 | m | 38.00 | 2,014.00 |
| G | 50mm x 50mm ceiling noggings | 1821 | m | 12.00 | 21,852.00 |
| H | 50mm x 50mm ceiling hangers | 1832 | m | 12.00 | 21,984.00 |
| | <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | |
| | <i>Carried To Summary of Bill No.2E</i> | | | | 55,312.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|---|-----|----------------|------------|------------------|
| <u>H. CLADDING / COVERING</u> | | | | | |
| <u>H72. Aluminium sheet coverings/flashings</u> | | | | | |
| <i>Supply and fixing of 0.6mm pre-painted long span aluminium roofing sheet covering fixed to hardwood purlins (measured separately) with two corrugation side laps including drive screws, nuts and washers, etc in accordance with manufacturer's instruction including all fixing accessories as described in:</i> | | | | | |
| A | Roof coverings, pitch not exceeding 30 degree | 45 | m ² | 200.00 | 9,000.00 |
| <u>Roof Treatment</u> | | | | | |
| B | Supply and Fixing of approved insulating material or fillets at junction of roofs and vertical walls. | 15 | m | 36.00 | 540.00 |
| <u>H. CLADDING / COVERING</u> | | | | | |
| <i>Carried To Summary of Bill No.2E</i> | | | | | |
| | | | | | 9,540.00 |
| <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | | |
| <u>K32. Partition Panels</u> | | | | | |
| <u>Internal Dry Partition Walling</u> | | | | | |
| C | Include a provisional sum of GH¢ 50,000.00 for the supply and installation of internal dry partition walling. | | Prov Sum | | 50,000.00 |
| <u>K40. Suspended Ceilings</u> | | | | | |
| <u>Plastic tongued and grooved ceiling finishings</u> | | | | | |
| D | 12 x 145mm uPlastic T & G profiles panellitic ceiling fixed to hardwood ceiling noggins (measured separately) as per manufacturers instructions | 324 | m ² | 100.00 | 32,400.00 |
| E | 50mm x 50mm uPlastic corner trims fixed to block or concrete | 149 | m | 10.00 | 1,490.00 |
| <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | | |
| <i>Carried To Summary of Bill No.2E</i> | | | | | |
| | | | | | 83,890.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|----------|------------|--------------|
| | L. DOORS/ WINDOWS/STAIRS | | | | |
| | <u>L10. Windows/rooflights/screens/louvres</u> | | | | |
| | <u>Aluminum Glazed Windows</u> | | | | |
| | <i>Supply and fix glazed aluminium window and frames; natural anodized coated aluminium profiles, factory glazed with 6mm clear tempered glass complete with all necessary ironmongery; fixing in position including fixtures, silicone and subframe in galvanized steel or aluminium as described in:-</i> | | | | |
| A | 2-Bay aluminum glazed sliding window, overall size 800mm x 1500mm high (Ref. W1) | 1 | nr | 1,440.00 | 1,440.00 |
| B | 3-Bay aluminum glazed sliding window, overall size 2400mm x 2050mm high (Ref. W3) | 10 | nr | 5,904.00 | 59,040.00 |
| C | 2-Bay aluminum glazed sliding window, overall size 800mm x 700mm high (Ref. HW1) | 4 | nr | 1,200.00 | 4,800.00 |
| D | 2-Bay aluminum glazed sliding window, overall size 1600mm x 700mm high (Ref. HW2) | 3 | nr | 1,344.00 | 4,032.00 |
| | <u>Bedding and pointing</u> | | | | |
| E | Bedding and pointing 50 -150mm wide window aluminum subframe in cement mortar (1:4) | 119 | m | 10.00 | 1,190.00 |
| | <u>L20. Doors/Shutters/Hatches</u> | | | | |
| | <u>Aluminum Glazed doors</u> | | | | |
| | <i>Supply and fix glazed aluminium doors and frames; natural anodized coated aluminium profiles, factory glazed with 6mm clear tempered glass complete with all necessary ironmongery; fixing in position including fixtures, silicone and subframe in galvanized steel or aluminium as described in:-</i> | | | | |
| F | Aluminum double leaf 2-way swing door, overall size 1800 x 2200mm high with 300mm x 600mm high plain glass panels (Ref. D3) | 1 | nr | 4,706.00 | 4,706.00 |
| | <u>Timber Doors</u> | | | | |
| | <i>44mm thick wrot "Redwood" or equally approved hardwood panel door complete with architraves, comprising 100mm stiles, top and middle rails 150mm bottom rail, 4no. hardwood panes, wrot hardwood frames, jambs and heads 50 x 150mm wide, all finished with three coats of polyurethane lacquer two pairs of 100mm Heavy duty brass butt hinges with screws, 75mm Mortice Cylinder lock with a set of lever handle furniture as described in;</i> | | | | |
| G | Swing door in single leaf, overall size 900 x 2200mm high, complete with architraves (Ref. D1) | 6 | nr | 1,550.00 | 9,300.00 |
| H | Swing door in single leaf, overall size 900 x 2200mm high, complete with architraves (Ref. D2) | 2 | nr | 1,550.00 | 3,100.00 |
| J | Double leaf 1-way swing door, overall size 1800 x 2200mm high (Ref. D3c) | 1 | nr | 3,100.00 | 3,100.00 |
| | <u>Bedding and pointing</u> | | | | |
| K | Bedding and pointing 50-150mm wide door frame in cement mortar (1:4) | 55 | m | 10.00 | 550.00 |
| | <u>L30: Stairs/Walkways/ Balustrades</u> | | | | |
| | <i>Balustrades in steel; galvanised after fabrication</i> | | | | |
| K | Allow the provisional sum of GH¢ 3,000.00 for fabrication and installation stainless steel balustrade of size 950mm high overall, bolted to concrete along staircase in approved decoration and design complete with handrail. | | Prov Sum | | 3,000.00 |
| | <u>L. DOORS/ WINDOWS/STAIRS</u> | | | | |
| | <i>Carried To Summary of Bill No.2E</i> | | | | 94,258.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH Bill No.2E/ 5 of 8

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|-----|----------------|------------|-------------------|
| M. SURFACE FINISHES | | | | | |
| M10. Cement: Sand/ Concrete Screeds/ Toppings | | | | | |
| <i>Cement and sand (1:4) beds and backings as described in:</i> | | | | | |
| A | 12mm thick floated backing in one coat to receive wall tiles to ceiling level (measured separately), width exceeding 300mm | 139 | m ² | 24.00 | 3,336.00 |
| B | Ditto to receive 100mm high tile skirting (measured separately) | 144 | m | 2.40 | 345.60 |
| C | Ditto on risers, width 175mm | 112 | m | 4.20 | 470.40 |
| D | 40mm thick floor screeded bed to receive floor tiles (measured separately) width exceeding 300mm; level and to falls and crossfalls and to slopes not exceeding 15 degrees from horizontal | 345 | m ² | 57.00 | 19,665.00 |
| E | Ditto on treads, width 350mm | 104 | m | 19.95 | 2,074.80 |
| M20. Plastered/Rendered/Roughcast Coatings | | | | | |
| <i>19mm thick cement and sand (1:4) rendering as describe to block or concrete;</i> | | | | | |
| F | Walls and columns (Externally), width exceeding 300mm | 296 | m ² | 30.00 | 8,880.00 |
| <i>12mm thick cement and sand (1:4) rendering as describe to block or concrete;</i> | | | | | |
| G | Walls and columns (Internal surfaces), width exceeding 300mm | 597 | m ² | 24.00 | 14,328.00 |
| H | Soffits of staircase and landings, width exceeding 300mm | 31 | m ² | 24.00 | 744.00 |
| J | Soffits of concrete, width exceeding 300mm | 31 | m ² | 24.00 | 744.00 |
| M40. Stone/Concrete/Quarry/Ceramic Tiling/Mosaic | | | | | |
| <i>Tiles of approved colour fixed on backings or beds with adhesive, pointed and grouted in approved coloured grout to match as described in:</i> | | | | | |
| K | 300 x 200 x 6mm thick glazed ceramic wall tiles to ceiling height, width exceeding 300mm, laid to manufacturer's specification | 139 | m ² | 130.00 | 18,070.00 |
| L | 600 x 600 x 10mm thick semi-polished porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 334 | m ² | 200.00 | 66,800.00 |
| M | 400 x 400 x 10mm thick non-slip porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 11 | m ² | 200.00 | 2,200.00 |
| N | 600x100x10mm polished porcelain tile skirting fixed with an approved adhesive on screeded backing (measured separately) laid to manufacturer's specification | 144 | m | 20.00 | 2,880.00 |
| Carried Forward | | | | | 140,537.80 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|---|-----|----------------|------------|-------------------|
| | <i>Brought Back</i> | | | | 140,537.80 |
| | <u>M60. Painting / Clear finishing</u> | | | | |
| | <u>Internal Wall Skimming</u> | | | | |
| | <i>Prepare and apply two coats of "P.O.P" skimming on:</i> | | | | |
| | Rendered walls, girth not exceeding 300mm | 597 | m ² | 25.00 | 14,925.00 |
| | <i>Prepare and apply two undercoats and one finishing coat of "Coralatex" or other equally approved emulsion paint in approved colour on general surfaces of:</i> | | | | |
| A | Rendered walls, girth exceeding 300mm (Internal Surfaces) | 597 | m ² | 35.00 | 20,895.00 |
| B | Rendered walls, girth exceeding 300mm (External Surfaces) | 296 | m ² | 35.00 | 10,360.00 |
| C | Soffits of staircase and landings, width exceeding 300mm | 5 | m ² | 35.00 | 175.00 |
| | <u>M. SURFACE FINISHES</u> | | | | |
| | <i>Carried To Summary of Bill No.2E</i> | | | | 186,892.80 |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <u>N10. General Fixtures/Furnishings/Equipment</u> | | | | |
| | <i>Fixtures, furnishings and equipment not associated with services in:</i> | | | | |
| | <u>Mirrors</u> | | | | |
| | Approved 5mm thick belved edge polished plate mirror, size: 600 x 400mm wide screwed and plug to wall with four chromium plated dome headed screws (PC Sum GH¢120.00 /nr) | 2 | nr | 125.00 | 250.00 |
| | <u>N11 Domestic kitchen fittings</u> | | | | |
| | <u>Kitchen Carbinet Unit</u> | | | | |
| F | Allow a Provisional Sum of GH¢ 10,000.00 for construction of hardwood 1 No. kitchen cabinet. | | Prov Sum | | 10,000.00 |
| | <u>N15. Signs/ Notices</u> | | | | |
| J | Supply and install washroom door signages in steel plates and labelled "Male" and "Female" | 2 | nr | 1,500.00 | 3,000.00 |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <i>Carried To Summary of Bill No.2E</i> | | | | 13,250.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|------|------------|-------------------|
| | SUMMARY OF Bill No.2E | | | | |
| | E. IN SITU CONCRETE / LARGE PRECAST CONCRETE | | | | 485,457.00 |
| | F. MASONRY | | | | 45,360.00 |
| | G. STRUCTURAL / CARCASSING METAL / TIMBER | | | | 55,312.00 |
| | H. CLADDING / COVERING | | | | 9,540.00 |
| | K. LININGS/ SHEATHING/ DRY PARTITIONING | | | | 83,890.00 |
| | L. DOORS/ WINDOWS/STAIRS | | | | 94,258.00 |
| | M. SURFACE FINISHES | | | | 186,892.80 |
| | N. FURNITURE / EQUIPMENT | | | | 13,250.00 |
| | BILL No. 2E: THIRD FLOOR | | | | |
| | Carried To Summary of Bill No.2 | | | | 973,959.80 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|------|----------------|------------|-------------------|
| PHASE 1 - NORTH WING & ENTRANCE CONCOURSE | | | | | |
| SUPERSTRUCTURE | | | | | |
| BILL No. 2F: FOURTH FLOOR | | | | | |
| <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | | |
| <u>E10. Mixing/ Casting/ Curing In situ concrete</u> | | | | | |
| <i>Reinforced vibrated sulphate and chloride resistant in-situ concrete (30N/mm² - 19mm machine-crushed aggregate) as per Section 7 of the specifications:</i> | | | | | |
| A | Beams | 10 | m ³ | 980.00 | 9,800.00 |
| B | Lintels | 3 | m ³ | 980.00 | 2,940.00 |
| C | Columns | 18 | m ³ | 980.00 | 17,640.00 |
| <u>E20. Formwork for In Situ Concrete</u> | | | | | |
| <u>Sawn formwork to:</u> | | | | | |
| C | Sides and soffits of beams attached to slabs, rectangular shaped, height to soffit not exceeding 4.50m | 86 | m ² | 75.00 | 6,450.00 |
| D | Sides of lintels | 38 | m ² | 75.00 | 2,850.00 |
| E | Sides of columns, height exceeding 3.0m above floor level | 185 | m ² | 75.00 | 13,875.00 |
| <u>E30. Reinforcement for In Situ Concrete</u> | | | | | |
| <i>High tensile steel reinforcement bar, straight or bent to B.S. 4449 as described in:</i> | | | | | |
| F | 25mm Diameter nominal size in column | 0.30 | t | 10,100.00 | 3,030.00 |
| G | 25mm Diameter nominal size in beams | 2.05 | t | 10,100.00 | 20,705.00 |
| H | 20mm Diameter nominal size in column | 1.89 | t | 10,100.00 | 19,089.00 |
| J | 20mm Diameter nominal size in beams | 1.40 | t | 10,100.00 | 14,140.00 |
| K | 16mm Diameter nominal size in beams | 1.87 | t | 10,100.00 | 18,887.00 |
| L | 12mm Diameter nominal size in beams | 0.25 | t | 10,100.00 | 2,525.00 |
| M | 12mm Diameter nominal size in columns | 0.33 | t | 10,100.00 | 3,333.00 |
| N | 12mm Diameter nominal size in lintels | 0.09 | t | 10,100.00 | 909.00 |
| <i>High tensile steel reinforcement bar; links/strups to B.S. 4449 as described in:</i> | | | | | |
| O | 10mm Diameter nominal size in columns | 2.38 | t | 10,100.00 | 24,038.00 |
| P | 10mm Diameter nominal size in beams | 1.46 | t | 10,100.00 | 14,746.00 |
| Q | 10mm Diameter nominal size in lintels | 0.04 | t | 10,100.00 | 404.00 |
| <u>E. IN SITU CONCRETE / LARGE PRECAST CONCRETE</u> | | | | | |
| <i>Carried To Summary of Bill No.2F</i> | | | | | |
| | | | | | 175,361.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|--|--------------------------------|------|----------------|------------|------------------|
| <u>F. MASONRY</u> | | | | | |
| <u>F10. Brick/Block Walling</u> | | | | | |
| <i>Hollow concrete blockwork minimum strength 5N/mm², laid in cement and sand mortar (1:4) as described in:-</i> | | | | | |
| A | Walls; 150mm thick | 235 | m ² | 120.00 | 28,200.00 |
| B | Walls; 150mm thick in parapets | 16 | m ² | 120.00 | 1,920.00 |
| <u>F. MASONRY</u> | | | | | |
| <i>Carried To Summary of Bill No.2F</i> | | | | | |
| | | | | | 30,120.00 |
| <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | | |
| <u>G20. Carpentry/Timber framing/First fixing</u> | | | | | |
| <u>Sawn Structural Hardwood Roof Trusses</u> | | | | | |
| <i>All hardwood timber in this section to be 'Dahoma' or other approved equal, treated with solignum or other approved equal wood treatment before fixing in position as per Drawings. The works shall include fixing bolts and plates</i> | | | | | |
| The following in 12No. Roof trusses size 11500mm span x 1495mm rise overall at 2000mm centres, framed and bolted together: | | | | | |
| C | 50 x 150mm Top chord | 320 | m | 38.00 | 12,160.00 |
| D | 50 x 150mm Bottom chord | 298 | m | 38.00 | 11,324.00 |
| E | 50 x 150mm Web | 112 | m | 38.00 | 4,256.00 |
| <u>Roof and Ceiling Members</u> | | | | | |
| <i>All hardwood timber in this section to be 'Dahoma' or other approved equal, treated with solignum or other approved equal wood treatment before fixing in position as per Drawings</i> | | | | | |
| F | 50 x 150mm purlins | 347 | m | 38.00 | 13,186.00 |
| G | 50mm x 50mm ceiling noggings | 1597 | m | 12.00 | 19,164.00 |
| H | 50mm x 50mm ceiling hangers | 2572 | m | 12.00 | 30,864.00 |
| <u>G. STRUCTURAL / CARCASSING METAL / TIMBER</u> | | | | | |
| <i>Carried To Summary of Bill No.2F</i> | | | | | |
| | | | | | 90,954.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|---|-----|----------------|------------|------------------|
| <u>H. CLADDING / COVERING</u> | | | | | |
| <u>H72. Aluminium sheet coverings/flashings</u> | | | | | |
| <i>Supply and fixing of 0.6mm pre-painted long span aluminium roofing sheet covering fixed to hardwood purlins (measured separately) with two corrugation side laps including drive screws, nuts and washers, etc in accordance with manufacturer's instruction including all fixing accessories as described in:</i> | | | | | |
| A | Roof coverings, pitch not exceeding 30 degree | 303 | m ² | 200.00 | 60,600.00 |
| <u>Cappings</u> | | | | | |
| <i>0.6mm pre-painted aluminium roof sheet as described in:</i> | | | | | |
| B | Ridge cappings, 600mm girth | 24 | m | 95.00 | 2,280.00 |
| <u>Roof Treatment</u> | | | | | |
| C | Supply and Fixing of approved insulating material or fillets at junction of roofs and vertical walls. | 15 | m | 36.00 | 540.00 |
| <u>H. CLADDING / COVERING</u> | | | | | |
| <i>Carried To Summary of Bill No.2F</i> | | | | | 63,420.00 |
| <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | | |
| <u>K32. Partition Panels</u> | | | | | |
| <u>Internal Dry Partition Walling</u> | | | | | |
| D | Include a provisional sum of GH¢ 50,000.00 for the supply and installation of internal dry partition walling. | | Prov Sum | | 50,000.00 |
| <u>K40. Suspended Ceilings</u> | | | | | |
| <u>Plastic tongued and grooved ceiling finishings</u> | | | | | |
| E | 12 x 145mm uPlastic T & G profiles panellitic ceiling fixed to hardwood ceiling noggins (measured separately) as per manufacturers instructions | 317 | m ² | 100.00 | 31,700.00 |
| F | 50mm x 50mm uPlastic corner trims fixed to block or concrete | 128 | m | 10.00 | 1,280.00 |
| <u>K. LININGS/ SHEATHING/ DRY PARTITIONING</u> | | | | | |
| <i>Carried To Summary of Bill No.2F</i> | | | | | 82,980.00 |

ANTARTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|--|---|-----|----------|------------|------------------|
| <u>L. DOORS/ WINDOWS/STAIRS</u> | | | | | |
| <u>L10. Windows/rooflights/screens/louvres</u> | | | | | |
| <u>Aluminum Glazed Windows</u> | | | | | |
| <i>Supply and fix glazed aluminium window and frames; natural anodized coated aluminium profiles, factory glazed with 6mm clear tempered glass complete with all necessary ironmongery; fixing in position including fixtures, silicone and subframe in galvanized steel or aluminium as described in:-</i> | | | | | |
| A | 3-Bay aluminum glazed sliding window, overall size 2400mm x 2050mm high (Ref. W3) | 11 | nr | 5,904.00 | 64,944.00 |
| B | 2-Bay aluminum glazed sliding window, overall size 800mm x 700mm high (Ref. HW1) | 1 | nr | 1,200.00 | 1,200.00 |
| <u>Bedding and pointing</u> | | | | | |
| C | Bedding and pointing 50 -150mm wide window aluminum subframe in cement mortar (1:4) | 101 | m | 10.00 | 1,010.00 |
| <u>L20. Doors/Shutters/Hatches</u> | | | | | |
| <u>Aluminum Glazed doors</u> | | | | | |
| <i>Supply and fix glazed aluminium doors and frames; natural anodized coated aluminium profiles, factory glazed with 6mm clear tempered glass complete with all necessary ironmongery; fixing in position including fixtures, silicone and subframe in galvanized steel or aluminium as described in:-</i> | | | | | |
| D | Swing door in single leaf, overall size 900 x 2200mm high, complete with architraves (Ref. D2c) | 1 | nr | 2,528.00 | 2,528.00 |
| E | Aluminum double leaf 2-way swing door, overall size 1800 x 2200mm high with 300mm x 600mm high plain glass panels (Ref. D3) | 2 | nr | 4,706.00 | 9,412.00 |
| <u>Timber Doors</u> | | | | | |
| <i>44mm thick wrot "Redwood" or equally approved hardwood panel door complete with architraves, comprising 100mm stiles, top and middle rails 150mm bottom rail, 4no. hardwood panes, wrot hardwood frames, jambs and heads 50 x 150mm wide, all finished with three coats of polyurethane lacquer two pairs of 100mm Heavy duty brass butt hinges with screws, 75mm Mortice Cylinder lock with a set of lever handle furniture as described in;</i> | | | | | |
| F | Swing door in single leaf, overall size 900 x 2200mm high, complete with architraves (Ref. D1) | 1 | nr | 1,550.00 | 1,550.00 |
| <u>Bedding and pointing</u> | | | | | |
| G | Bedding and pointing 50-150mm wide door frame in cement mortar (1:4) | 23 | m | 10.00 | 230.00 |
| <u>L30: Stairs/Walkways/ Balustrades</u> | | | | | |
| <i>Balustrades in steel; galvanised after fabrication</i> | | | | | |
| H | Allow the provisional sum of GH¢ 3,000.00 for fabrication and installation stainless steel balustrade of size 950mm high overall, bolted to concrete along staircase in approved decoration and design complete with handrail. | | Prov Sum | | 3,000.00 |
| <u>L. DOORS/ WINDOWS/STAIRS</u> | | | | | |
| <i>Carried To Summary of Bill No.2F</i> | | | | | |
| | | | | | 83,874.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|---|--|-----|----------------|------------|-------------------|
| <u>M. SURFACE FINISHES</u> | | | | | |
| <u>M10. Cement: Sand/ Concrete Screeds/ Toppings</u> | | | | | |
| <i>Cement and sand (1:4) beds and backings as described in:</i> | | | | | |
| A | 12mm thick floated backing in one coat to receive wall tiles to ceiling level (measured separately), width exceeding 300mm | 28 | m ² | 24.00 | 672.00 |
| B | Ditto to receive 100mm high tile skirting (measured separately) | 127 | m | 2.40 | 304.80 |
| C | 40mm thick floor screeded bed to receive floor tiles (measured separately) width exceeding 300mm; level and to falls and crossfalls and to slopes not exceeding 15 degrees from horizontal | 317 | m ² | 57.00 | 18,069.00 |
| <u>M20. Plastered/Rendered/Roughcast Coatings</u> | | | | | |
| <i>19mm thick cement and sand (1:4) rendering as describe to block or concrete;</i> | | | | | |
| D | Walls and columns (Externally), width exceeding 300mm | 318 | m ² | 30.00 | 9,540.00 |
| <i>12mm thick cement and sand (1:4) rendering as describe to block or concrete;</i> | | | | | |
| E | Walls and columns (Internal surfaces), width exceeding 300mm | 521 | m ² | 24.00 | 12,504.00 |
| <u>M40. Stone/Concrete/Quarry/Ceramic Tiling/Mosaic</u> | | | | | |
| <i>Tiles of approved colour fixed on backings or beds with adhesive, pointed and grouted in approved coloured grout to match as described in:</i> | | | | | |
| F | 300 x 200 x 6mm thick glazed ceramic wall tiles to ceiling height, width exceeding 300mm, laid to manufacturer's specification | 28 | m ² | 130.00 | 3,640.00 |
| G | 600 x 600 x 10mm thick semi-polished porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 313 | m ² | 200.00 | 62,600.00 |
| H | 400 x 400 x 10mm thick non-slip porcelain floor tiles width exceeding 300mm laid to manufacturer's specification | 4 | m ² | 200.00 | 800.00 |
| J | 600x100x10mm polished porcelain tile skirting fixed with an approved adhesive on screeded backing (measured separately) laid to manufacturer's specification | 127 | m | 20.00 | 2,540.00 |
| Carried Forward | | | | | 110,669.80 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|----------------|------------|-------------------|
| | <i>Brought Back</i> | | | | 110,669.80 |
| | <u>M60. Painting / Clear finishing</u> | | | | |
| | <u>Internal Wall Skimming</u> | | | | |
| | <i>Prepare and apply two coats of "P.O.P" skimming on:</i> | | | | |
| A | Rendered walls, girth not exceeding 300mm | 521 | m ² | 25.00 | 13,025.00 |
| | <i>Prepare and apply two undercoats and one finishing coat of "Coralatex" or other equally approved emulsion paint in approved colour on general surfaces of:</i> | | | | |
| B | Rendered walls, girth exceeding 300mm (Internal Surfaces) | 521 | m ² | 35.00 | 18,235.00 |
| C | Rendered walls, girth exceeding 300mm (External Surfaces) | 318 | m ² | 35.00 | 11,130.00 |
| D | Soffits of staircase and landings, width exceeding 300mm | 31 | m ² | 35.00 | 1,085.00 |
| E | Soffits of concrete, width exceeding 300mm | 64 | m ² | 35.00 | 2,240.00 |
| | <u>M. SURFACE FINISHES</u> | | | | |
| | <i>Carried To Summary of Bill No.2F</i> | | | | 156,384.80 |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <u>N10. General Fixtures/Furnishings/Equipment</u> | | | | |
| | <i>Fixtures, furnishings and equipment not associated with services in:</i> | | | | |
| | <u>Mirrors</u> | | | | |
| E | Approved 5mm thick beveled edge polished plate mirror, size: 600 x 400mm wide screwed and plug to wall with four chromium plated dome headed screws (PC Sum GH¢120.00 /nr) | 1 | nr | 125.00 | 125.00 |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <i>Carried To Summary of Bill No.2F</i> | | | | 125.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|------|------------|-------------------|
| | SUMMARY OF Bill No.2F | | | | |
| | E. IN SITU CONCRETE / LARGE PRECAST CONCRETE | | | | 175,361.00 |
| | F. MASONRY | | | | 30,120.00 |
| | G. STRUCTURAL / CARCASSING METAL / TIMBER | | | | 90,954.00 |
| | H. CLADDING / COVERING | | | | 63,420.00 |
| | K. LININGS/ SHEATHING/ DRY PARTITIONING | | | | 82,980.00 |
| | L. DOORS/ WINDOWS/STAIRS | | | | 83,874.00 |
| | M. SURFACE FINISHES | | | | 156,384.80 |
| | N. FURNITURE / EQUIPMENT | | | | 125.00 |
| | BILL No. 2F: FOURTH FLOOR | | | | |
| | Carried To Summary of Bill No.2 | | | | 683,218.80 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|------|------------|---------------------|
| | <u>SUMMARY OF BILL No. 2</u> | | | | |
| | BILL No. 2A: SUBSTRUCTURE (All Provisional) | | | | 2,043,634.75 |
| | BILL No. 2B: GROUND FLOOR | | | | 954,575.00 |
| | BILL No. 2C: FIRST FLOOR | | | | 1,058,389.60 |
| | BILL No. 2D: SECOND FLOOR | | | | 1,119,612.60 |
| | BILL No. 2E: THIRD FLOOR | | | | 973,959.80 |
| | BILL No. 2F: FOURTH FLOOR | | | | 683,218.80 |
| | <u>BILL No.2: NORTH WING</u> <i>Carried To General Summary</i> | | | | 6,833,390.55 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|-----------|------------|---------------------|
| | <u>BILL No.3: MECHANICAL, ELECTRICAL AND PLUMBING INSTALLATIONS SYSTEMS</u> | | | | |
| | <u>N. FURNITURE / EQUIPMENT</u> | | | | |
| | <u>N13. Sanitary appliances/fittings</u> | | | | |
| A | Allow for the Provisional Sum of GH¢ 170,000.00 for the supply and installation of Sanitary appliances/fittings as shown on Contract Drawing. | | Prov. Sum | | 75,000.00 |
| | <u>R. DISPOSAL SYSTEMS</u> | | | | |
| B | Include the Provisional Sum of GH¢100,000.00 for Installation of Disposal Systems. The work shall include pipeworks for Sewage disposal, Liquid waste disposal, and all types of bends, elbows, tees and all fittings and accessories of drainage systems, excavations, Septic Tank, Soakaway, Manholes, and testing and commissioning of the systems | | Prov. Sum | | 100,000.00 |
| | <u>S. PIPED SUPPLY SYSTEMS</u> | | | | |
| | <u>S12: Hot and Cold Water Installations</u> | | | | |
| C | Include the Provisional Sum of GH¢ 70,000.00 for Cold and Hot Water supply installation. The work shall include pipework connections to sanitary appliances and all types of bends, elbows, tees, reducers valves and all fittings and accessories. | | Prov. Sum | | 70,000.00 |
| | <u>S60: Fire Fighting Systems</u> | | | | |
| D | Include the Provisional Sum of GH¢ 30,000.00 for installation of Fire Fighting Systems. | | Prov. Sum | | 30,000.00 |
| | <u>WATER CONNECTION</u> | | | | |
| E | Include the Provisional Sum of GH¢ 5,000.00 for water connection by GWCL | | Item | | 5,000.00 |
| | <u>U. VENTILATION/AIR CONDITIONING SYSTEMS</u> | | | | |
| F | Include the Provisional Sum of GH¢ 900,000.00 for Air-Conditioning and Ventilation Installations Systems. The work shall include all pipework connections, air-conditioners and all types of bends, fittings and | | Prov. Sum | | 900,000.00 |
| | <u>V. ELECTRICAL SUPPLY/POWER LIGHTING SYSTEMS</u> | | | | |
| G | Include the Provisional Sum of GH¢ 430,000 for electrical installation. The work shall include LV Supply/ distribution, general lighting, general LV power, fire alarms, lightning protection. | | Prov. Sum | | 430,000.00 |
| | <i>Carried forward</i> | | | | 1,610,000.00 |

ANTARCTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|------|--|-----|-----------|------------|--------------|
| | <i>Brought back</i> | | | | 1,610,000.00 |
| | <u>ELECTRICITY CONNECTION</u> | | | | |
| A | Include the Provisional Sum of GH¢ 170,000.00 for supply and installation of 1250KVA ground mounted transformer. | | Prov. Sum | | 170,000.00 |
| B | Include the Provisional Sum of GH¢ 10,000.00 for Electricity connection by ECG | | Prov. Sum | | 10,000.00 |
| | <u>W. COMMUNICATIONS/ SECURITY/ CONTROL SYSTEMS</u> | | | | |
| C | Include the Provisional Sum of GH¢ 730,000 for communications. The work shall include telecommunications and data transmission. | | Prov. Sum | | 730,000.00 |
| | <u>TELEPHONE CONNECTION</u> | | | | |
| D | Include the Provisional Sum of GH¢ 10,000.00 for telephone connection by Vodafone Ghana | | Prov Sum | | 10,000.00 |
| | <u>Builder's Work</u> | | | | |
| E | Include a provisional sum of GH¢ 20,000.00 for builder's work that may be undertaken by the Contractor in connection with the Mechanical, Electrical, Air-Conditioning and Plumbing installation systems. | | Prov Sum | | 20,000.00 |
| | <u>BILL No.3 - MECHANICAL, ELECTRICAL AND PLUMBING INSTALLATIONS SYSTEMS</u> | | | | |
| | Carried To General Summary | | | | 2,550,000.00 |

ANTAR TIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (GH¢) | AMOUNT (GH¢) |
|--|--|-----|-----------|------------|-------------------|
| <u>PHASE 1 - NORTH WING & CORE GROUND FLOOR</u> | | | | | |
| <u>BILL No.4: EXTERNAL WORKS</u> | | | | | |
| <u>Drainage Below Ground</u> | | | | | |
| A | Include the Provisional Sum of GH¢ 50,000.00 for drainage works below ground level | | Prov. Sum | | 50,000.00 |
| <u>Paved Areas</u> | | | | | |
| C | Allow a provisional sum of GH¢60,000.00 for construction of Interlocking paved areas with kerbs (approx. 350 m ²) | | Prov. Sum | | 60,000.00 |
| <u>BILL No.4 - EXTERNAL WORKS</u> Carried To General Summary | | | | | 110,000.00 |

ANTARTIC LIMITED
P. O. BOX 15703
ACCRA - NORTH

CONSTRUCTION OF PROPOSED ACECoR BUILDING FOR THE UNIVERSITY OF CAPE COAST

| ITEM | DESCRIPTION | QTY | UNIT | RATE (Gh¢) | AMOUNT (Gh¢) |
|---|---|-----|------|--------------------------------------|----------------------|
| GENERAL SUMMARY FOR PHASE 1 - NORTH WING & CORE GROUND FLOOR | | | | | |
| 1 | BILL NO. 1: PRELIMINARIES / GENERAL CONDITIONS | | | 1,000,404.44 | 1,000,404.44 |
| 2 | BILL No.2: NORTH WING | | | 6,833,390.55 | 6,833,390.55 |
| 3 | BILL No.3 - MECHANICAL, ELECTRICAL AND PLUMBING INSTALLATIONS SYSTEMS | | | 2,550,000.00 | 2,550,000.00 |
| 4 | BILL No.4 - EXTERNAL WORKS | | | 110,000.00 | 110,000.00 |
| | SUB-TOTAL 1 | | | 10,493,794.99 | 10,493,794.99 |
| | ADD For Contingencies (Physical & Financial) | | | 15.0% of Sub-Total-1 1,574,069.25 | 1,574,069.25 |
| | TOTAL ESTIMATE | | | 12,067,864.24 | 12,067,864.24 |

04/03/2022
ANTARCTIC LIMITED
 P. O. BOX 15703
 ACCRA - NORTH