

| ITEM | DESCRIPTION | AMOUNT |
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| | <p style="text-align: center;">PROPOSED SCHOOL BELL RENOVATION</p> <p style="text-align: center;">BILL NR 1- LOGISTICS AND SITE WORKS</p> <p><u>Scaffolding and Plant</u> Allow for providing all scaffolding, needling, shoring, temporary enclosures to opening and old and new, and for hoists, tackle and other plant, profile, templates, centerings, and equipment generally required for the proper safe and efficient execution of the works and for all necessary labour in adapting and altering same to suit contract works and for taking same down and clearing away on completion of the works and making good all works disturbed</p> <p><u>Water</u> Provide the whole of the water required for the Works including that required by any Sub-Contractor or workmen of any kind authorised and on the site together with all requisite plumbing storage tanks, stand pipes etc and pay all fees and charges incurred.</p> <p><u>Health, Safety and Welfare</u> The Contractor is responsible for the safety, health and welfare of all workpeople employed upon the works and shall provide protection and amenities in accordance with applicable legislation The Contractor shall recognize and allow for all statutory and religious holidays and rites</p> <p><u>Progress Photographs</u> Allow for providing colour photographs, Six No. clear 50 x 100mm prints each per set taken from different positions on the site periodically as directed by the Architect Allow for complying digitally with this requirement.</p> | |
| | <p><u>PRELIMINARIES</u></p> | |
| | <p><u>Carried to general summary:</u></p> | - |
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| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------|----------------|------|--------|
| <p align="center">PROPOSED SCHOOL BELL CONSTRUCTION FOR ASSOCIATION OF FEDERAL GOVERNMENT COLLEGE ENUGU ALUMNI AMERICAS INC, [AFGCEAA] AT FEDERAL GOVERNMENT COLLEGE ENUGU, ENUGU STATE BILL NR 2 ELEMENT NR-01 SUBSTRUCTURE [All provisional]</p> | | | | | |
| <p>Generally Refer to Contract Specifications</p> | | | | | |
| <p>Information</p> | | | | | |
| <p>Combined Pad and Strip Foundation, not exceeding 2.0m deep</p> | | | | | |
| <p>The works in this section involves excavation and earthworks, concreteworks, and all other associated ancillary works up to and including ground floor bed</p> | | | | | |
| <p>Site Preparation, Excavation and Earthwork as D100</p> | | | | | |
| <p><u>Excavations as D400</u></p> | | | | | |
| A | Excavate pit for column and pier base commencing from stripped level and maximum depth exceeding 2.00m | 7 | M ³ | | - |
| <p><u>Earthwork Support as D102</u></p> | | | | | |
| B | Earthwork support to sides of pit excavations commencing from stripped level total depth exceeding 2.00m | 23 | M | | - |
| <p><u>Disposal of Water as D401(4)</u></p> | | | | | |
| C | Allow for keeping excavations free from general and surface water other than spring or running water at all times. | Item | | | |
| <p><u>Fillings or disposals as D104, D106, D200,</u></p> | | | | | |
| D | Remove surplus excavated material from the site. | Rate only | M ³ | | |
| E | Backfill, and compact selected excavated material around foundations | 9 | M ³ | | - |
| <p align="right"><u>Carried to collection:</u></p> | | | | | - |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|--|---|
| <u>Surface Treatments as D300</u> | | | | | |
| A | Level and compact bottom of pit and trench excavations to receive concrete | 6 | M ² | | - |
| B | Prepare and apply one coat of "DieIdrex" or other equal and approved anti-termite solution to surfaces of pit and trench excavations | 29 | M ² | | - |
| <u>Concrete Work as F100</u> | | | | | |
| C | Plain in-situ concrete (1:10 all-in aggregate) blinding to bases, not exceeding 50mm thick poured against faces of excavations to receive concrete | 0.3 | M ³ | | - |
| <u>Vibrated reinforced in-situ concrete Grade 25 as F1100, F1400, F1800, in:</u> | | | | | |
| D | Column / pier bases and wall footings | 2 | M ³ | | - |
| E | Stub columns | 0.33 | M ³ | | - |
| <u>Formwork to produce fair faces as F1300, F1800, to:</u> | | | | | |
| F | Sides of stub columns | 5 | M ² | | - |
| <u>Steel bar reinforcement as F500, F1800 High yield deformed bar reinforcement to B.S 4462 including tying wire, distance blocks and ordinary spacers:</u> | | | | | |
| Column bases and footings: | | | | | |
| A | 16mm diameter ditto | 53 | Kg | | - |
| In columns: | | | | | |
| B | 16mm diameter ditto | 82 | Kg | | - |
| C | 8mm diameter ditto | 11 | Kg | | - |
| Protection: | | | | | |
| | Protect all work in this element | | Item | | |
| <u>Carried to collection:</u> | | | | | - |
| COLLECTIONS: | | | | | |
| Page 01 | | | | | - |
| Page 02 | | | | | - |
| <u>SUBSTRUCTURE</u> | | | | | |
| <u>Carried to summary:</u> | | | | | - |

| ELEMENT NR- 02 | | | | |
|--------------------------------------------------------------------------------------------------|-----------------------------------------|------|----------------|---|
| FRAMES | | | | |
| Generally | | | | |
| Refer to Contract Specifications | | | | |
| FRAMES | | | | |
| <u>Information</u> | | | | |
| The work in this section involves reinforced concrete columns, beam, walls, and associated works | | | | |
| Concrete Work as F100 | | | | |
| <u>Vibrated reinforced in-situ concrete Grade 25 as F1100, F1400, F1800, in:</u> | | | | |
| A | Columns | 2 | M ³ | - |
| B | Attached beam | 1 | M ³ | - |
| Reinforcement for insitu concrete: | | | | |
| <u>Steel bar reinforcements as F500, F1800 as before described:</u> | | | | |
| In column: | | | | |
| C | 16mm diameter ditto | 208 | Kg | - |
| D | 8mm diameter in links and strirrups | 40 | Kg | - |
| <u>In beam</u> | | | | |
| E | 12mm diameter in straight and bent bars | 103 | Kg | - |
| F | 8mm diameter ditto | 24 | Kg | - |
| <u>Formwork to produce fair faces as F1300, F1800:</u> | | | | |
| In column | | | | |
| G | Sides of Column | 27 | M ² | - |
| In beam | | | | |
| H | Sides and soffits of attached beam | 8 | M ² | - |
| Protection: | | | | |
| | Protect all work in this element | Item | | |
| <u>FRAMES</u> | | | | |
| <u>Carried to summary:</u> | | | | - |

| ELEMENT NR -03 WALLS AND PARTITIONS | | | | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|---|
| | Generally Refer to Contract Specifications <u>WALLS</u> Information The Work in this section involves the erection of sandcrete and concrete walls Blockwork: Blockwork as G100 External walls: <u>Sandcrete hollow blockwork as G101, G104, G105, as follows:</u> | | | |
| A | 225mm thick external walls | 28 | M ² | - |
| | Protection: Protect all work in this element | Item | | |
| | <u>WALLS AND PARTITIONS</u> <u>Carried to Summary:</u> | | | - |

| ELEMENT NR -04 FLOOR FINISHING | | | | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|---|
| | <p>Generally Refer to Contract Specifications</p> <p>Floor Finishings, as T100 Internal works: Tiles, Slab and Block Floor Finishings, as T300:</p> | | | |
| A | 400 x 400 x 8mm Thick fully vitrified ceramic floor tiles, as T304, internally | 21 | M ² | - |
| | <p>Beds and backings as T700</p> | | | |
| B | 12mm Thick screeded bed to floors to receive ceramic floor tiles | 21 | M ² | - |
| | <p>Protection: Protect all work in this element</p> | Item | | |
| <u>FLOOR FINISHING</u> | | | | |
| <u>Carried to summary:</u> | | | | - |

| ELEMENT NR- 05 | | | | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|---|
| WALL FINISHING: | | | | |
| | <p>Generally Refer to Contract Specifications</p> <p><u>Wall finishings as T100</u> <u>Rendering as T205, T210</u></p> <p>External work: In situ finishings: <u>12 mm thick cement and sand (1:3) rendering on:</u></p> | | | |
| A | Walls externally | 78 | M ² | - |
| | <p><u>Tiles, Slab and Block Wall Finishings as T300</u></p> | | | |
| B | 300 x 150 x 6mm Thick approved brick tiles to walls externally | 14 | M ² | - |
| C | 400 x 400 x 8mm Thick fully vitrified ceramic tiles to staircase treads 30mm wide | 3 | M | - |
| D | Ditto but to staircase risers 150mm high | 3 | M | - |
| | <p><u>Beds and backings as T700</u></p> | | | |
| E | 12mm thick to walls to receive glazed ceramic wall tiles | 17 | M ² | - |
| | <p>Protection: Protect all work in this element</p> | Item | | |
| | <u>WALL FINISHING</u> | | | |
| | <u>Carried to summary:</u> | | | - |

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| | <p style="text-align: center;">ELEMENT NR- 06</p> <p style="text-align: center;">PAINTING AND DECORATION:</p> <p>Generally Refer to Contract Specifications</p> <p>Information The Work in this section involves painting and decorating on new work</p> <p>Internal work: <u>Painting as V100</u></p> <p><u>Two coats emulsion paint as V101, V104 including screeding on:</u></p> <p>A Rendered walls</p> <p>Protection: Protect all works in this element</p> <p style="text-align: center;"><u>PAINTING AND DECORATION</u> <u>Carried to summary:</u></p> | <p style="text-align: center;">78</p> <p style="text-align: center;">Item</p> | <p style="text-align: center;">M²</p> | | <p style="text-align: center;">-</p> |
| | | | | | - |

| GROUPED ELEMENT NR- 07 | | | | |
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| FITTINGS & FIXTURES | | | | |
| KERB LINE | | | | |
| GREEN AREA | | | | |
| Generally | | | | |
| Refer to Contract Specifications | | | | |
| Information | | | | |
| The Work in this section involves mild steel rails, pre-cast concrete kerbs, green area and associated works | | | | |
| External work: | | | | |
| A | Allow for 450mm diameter bell including all necessary fittings and accessories | Sum | | |
| B | Plain precast concrete kerbs 100mm thick x 450mm high, laid on and including 300 x 100mm thick grade 15 in-situ concrete base and haunching, including all necessary excavations and earthworks | 23 | M | - |
| <u>GREEN AREAS</u> | | | | |
| C | Laterite filling, Level and water to 200mm thickness to receive manure filling | 13 | M ² | - |
| D | Filling to make up formation level with imported manure, deposited, watered to 150mm thickness | 13 | M ² | - |
| E | Provide and plant carpet grass in centres not exceeding 75mm in any direction, water and nurture to maturity | 13 | M ² | - |
| Protection: | | | | |
| Protect all works in this element | | | | |
| Item | | | | |
| <u>GROUPED ELEMENT</u> | | | | |
| <u>Carried to summary:</u> | | | | - |
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| ITEM | SUMMARY | AMOUNT |
|-------------------------------------------------|-------------------------|--------|
| A | SUBSTRUCTURE | - |
| B | FRAMES | - |
| C | WALLS AND PARTITIONS | - |
| D | FLOOR FINISHING | - |
| E | WALL FINISHING | - |
| F | PAINTING AND DECORATION | - |
| G | GROUPED ELEMENT | - |
| <u>PROPOSED SCHOOL BELL CONSTRUCTION</u> | | |
| <u>Carried to general summary:</u> | | - |
| | | |

| ITEM | GENERAL SUMMARY | AMOUNT |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------|
| A | BILL NR 1- PRELIMINARIES | - |
| B | BILL NR 2- PROPOSED SCHOOL BELL CONSTRUCTION | - |
| <u>AMOUNT OF ESTIMATE</u> <u>CARRIED TO FORM OF TENDER:</u> | | - |
| COMPLETION DATE..... SIGNED FOR AND ON BEHALF OF..... DATED THIS.....DAY OF.....2016 | | |