

REPUBLIC OF KENYA



**NG-CDF BOARD**

**NATIONAL GOVERNMENT CONSTITUENCIES DEVELOPMENT FUND**

**BILL OF QUANTITIES**

**FOR:**

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA  
POLICE STATION, THARAKA CONSTITUENCY**

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## PREAMBLES AND PRICING NOTES

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## PREAMBLES AND PRICING NOTES

### A. GENERALLY

All work is to be carried out in accordance with the Ministry of Works General Specifications for Building works, 1976 Edition together with any amendments thereto and all references in this section are to this document. The Contractor is instructed to provide a copy of the Specifications on site at all times.

### B. MANUFACTURERS' NAME

Manufacturer's names and catalogue references are given as a guide to quality and standards only. Alternative manufacture of equal quality will be accepted at the discretion of the Project Manager.

### C. EXCAVATION

Prices are to include for excavating in all materials met with except rock as specified. Prices are also to include for planking and strutting, and for destroying all white ants nests and keeping excavations free from water.

### D. INSECTICIDE TREATMENT

Treating surface of hardcore with approved insecticide shall include execution by Rentokil Laboratories Limited, Insects Limited or other equal and approved who shall give a ten-year guarantee to the

### E. CONCRETE WORK

All concrete shall conform to the "Concrete Specification for Building 1974" issued by The Structural Branch of the Ministry of Works.

#### **Cover to Reinforcement**

Unless otherwise specified on the drawing cover is to be:

|             |       |
|-------------|-------|
| Foundations | 50 mm |
| Columns     | 50 mm |
| Beams       | 25 mm |
| Slabs       | 15 mm |

#### **Test Cubes**

Allowance must be included in the tender for the preparation of concrete test cubes as required by the Engineer.

#### **Precast Concrete Works**

Prices are to include for handling reinforcement, and for bedding in cement mortar. Concrete will be class 25 unless otherwise specifies.

## A. WALLING

### **Concrete Blocks**

All concrete walling blocks are to be as described in the Ministry of Works Standard Specification for Metric Concrete Blocks issue in September 1972. Blocks shall be Type A, grade A2 and Type B, medium density. Solid blocks shall have a density not less than 1000kg/m<sup>3</sup>.

### **Stone**

Stone for walling shall be hard, dense dark gray local stone from an approved source.

Stone for walling shall comply with BS CP 111 Part 2 of minimum curing strength of 3.5 Newton per mm<sup>2</sup>. To be free from cracks, fissures or any other defects which are likely to affect the strength and to be delivered to site thoroughly cleaned.

Wall reinforcement shall be hoop iron, one layer per 90mm thickness, placed in the bed joint or alternate courses.

Prices for walling must allow for all costs in preparing, packing and sending sample blocks

### **Samples**

Prices are to include for packing and sending sample blocks to the approved testing laboratory, Nairobi.

## B. ROOFING

All roofing materials shall be specified in the Bills of Quantities, and laid in accordance with the manufacturer's instructions.

## C. CARPENTRY

The grading rules for cypress shall be the same as those for Podocarpus and all timber used for structural work shall be select (second grade)

All structural timber must conform to the minimum requirements for moisture content and preservative treatment and timber prices must allow for preparing, packing and sending samples for testing when required.

Prices must also include for all nails and fasteners

## D. JOINERY

Cypress for all joinery shall be second grade in accordance with the latest grading rules of the Kenya Government

Where mahogany is specified, this refers to prime grade only. The Contractor may with the approval of the Project Manager, use either Msharagi or Mvuli in lieu of Mahogany but such approval will be given in case of shortages of the hardwoods specified.

Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with proprietary plugs of the correct sizes. Cutting with hammer and chisel will not be allowed.

Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and bedding in cement mortar as required.

Sizes given for joinery items are nominal sizes and exact dimensions of doors etc. must be ascertained on site.

## E. IRONMONGERY

Shall be as specified in the Bills of Quantities, or equal and approved.

Prices must include for removing and refixing during and after painting, for labeling all keys, and for fixing to hardwood, softwood, concrete or blockwork.

## **A. METAL WORK**

### **Structural Steelwork**

All structural steelwork shall comply with the Ministry of Public Works "Structural Steelwork Specification (1973) and shall be executed by an approved Sub-contractor.

### **Generally**

All steelwork shall be cleaned free from rust and primed one coat or red lead primer before being delivered to the site.

### **Prices for Metal Windows**

To include for assembling parts, bedding and pointing in mastic, building in fixing lugs, and plugging as necessary.

## **B. PLASTERWORK AND OTHER FINISHES**

### **Generally**

All plasterwork and paving to be as described in the Specification and in the Bills of Quantities.

### **Paving**

Prices are to include for brushing concrete clean, wetting and coating with cement and sand grout (1:1).

### **Ceramic Tiles**

All ceramic tiles shall be as specified in the Bills of Quantities or other equal and approved and the contractor shall provide for varied color, shades and design as specified.

## **C. GLAZING**

### **Polished Plate Glass**

Shall be general glazing quality.

### **Prime Rebates**

Prices are to include for priming rebates before placing putty.

### **Broken or Scratched Glass**

The contractor will be responsible at his own cost, for replacing any broken or scratched glass and handing over in perfect condition.

## **A. PAINTING**

### **Generally**

Note that the General Contractor is to provide scaffolding for all trades including painting.

### **Paint Category**

Shall be category "A" of M.O.W. approved list and applied in accordance with the manufacturer's instructions and to the required coats.

### **Prices**

Prices are to include for all preparatory work, priming coats and for protecting other works and for cleaning up on completion. Prices for painting on galvanized metal are to include for mordant solution as necessary.

## **B. PLUMBING AND ENGINEERING INSTALLATION**

### **Generally**

All work shall be executed by an approved specialist.

### **Drainage**

All storm water drainage and foul sewerage pipework bedded on granular bed type "E" shall be rubber or flexible jointed.

### **Manhole Covers**

Manhole covers shall be fabricated from 8mm mild steel plate. Prices are to include for standard lifting keyholes.

# PRELIMINARIES

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA CONSTITUENCY

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AMOUNT |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|      | <p><b><u>PARTICULAR PRELIMINARIES</u></b></p> <p><b>A EMPLOYER</b><br/>The Employer is The NGCDF - Board<br/>The term "Employer" and "Government" wherever used in the contract document shall be synonymous.</p> <p><b>B PROJECT MANAGER</b><br/>The term "P.M" or "Project Manager" wherever used in these Bills of Quantities shall be deemed to imply the "Engineer" as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorized to represent him on behalf of the Government.</p> <p><b>C ARCHITECT</b><br/>The term "Architect" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is the Ministry of Lands, Public Works, Housing and Urban Development: State Department for Public Works, P.O.Box 455-60100, EMBU</p> <p><b>D QUANTITY SURVEYOR</b><br/>The term "Quantity Surveyor" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is the Ministry of Lands, Public Works, Housing and Urban Development: State Department for Public Works, P.O.Box 455-60100, EMBU</p> <p><b>E STRUCTURAL ENGINEER</b><br/>The term "Structural Engineer" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is the Ministry of Lands, Public Works, Housing and Urban Development: State Department for Public Works, P.O.Box 455-60100, EMBU</p> <p><b>F ELECTRICAL ENGINEER</b><br/>The term "Electrical Engineer" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is the Ministry of Lands, Public Works, Housing and Urban Development: State Department for Public Works, P.O.Box 455-60100, EMBU</p> <p><b>G MECHANICAL ENGINEER</b><br/>The term "Mechanical Engineer" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is the Ministry of Lands, Public Works, Housing and Urban Development: State Department for Public Works, P.O.Box 455-60100, EMBU</p> |        |
|      | Carried to collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA CONSTITUENCY

| ITEM            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AMOUNT |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p><b>A</b></p> | <p><b>INTERIOR DESIGNER</b><br/>The term "Interior Designer" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is the Ministry of Lands, Public Works, Housing and Urban Development: State Department for Public Works, P.O.Box 455-60100, EMBU</p>                                                                                                                                                                                                                                                                                                                                              |        |
| <p><b>B</b></p> | <p><b>SCOPE OF CONTRACT</b><br/>The works consist of construction of a police station.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |
| <p><b>C</b></p> | <p><b>DESCRIPTION OF THE WORKS</b><br/>The Works consist of:</p> <p><b>Substructure and superstructure works: Site clearance, excavation, foundation works and superstructure works</b></p> <p><b>Doors:</b> Doors to be in mild steel complete with all necessary accessories and ironmongery.</p> <p><b>Finishes:</b> Finishes to be ceramic floor tiles, plaster and paint to walls, plaster and paint to soffits of slabs and fire resistant gypsum to the ceiling</p> <p><b>Branding and Signage Works :</b> Branding on the external wall.</p> <p><b>Electrical Works :</b> As Per BoQ</p> <p><b>Mechanical Works :</b> As Per BoQ</p> |        |
| <p><b>D</b></p> | <p><b><u>FLOOR AREAS</u></b></p> <p>170 m<sup>2</sup></p> <p><b>Note :</b> The above areas are given as a guide and no warranty is given for their accuracy.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
|                 | <p><b>Carried to collection</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA CONSTITUENCY

| ITEM                                                            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AMOUNT |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p><b>A</b></p> <p><b>B</b></p> <p><b>C</b></p> <p><b>D</b></p> | <p><b>URGENCY OF THE WORKS</b><br/>The Contractor is notified that these “ works are urgent” and should be completed within the period stated in these Particular Preliminaries. The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.</p> <p><b>LOCATION OF SITE</b><br/>The site of the proposed works is located at Chiakariga Police Station- Tharaka Constituency, Tharaka Nithi County and 16.3km away from Marimanti town.<br/>The Contractor shall be deemed to have visited the site and satisfied himself as to:-<br/>a) The nature, position, topography and access of the site<br/>b) The amount of the rubbish or debris to be cleared away before commencement<br/>c) The nature, current usage, proximity and size of adjoining property and buildings<br/>d) The availability of land for the erection and positioning of all temporary structures, plant and materials necessary for the execution of the works.</p> <p>The Contractor shall obtain approval from the relevant Local Authority in adherence to site access and erection of temporary structures and must ensure all matters relating to the requirements of these authorities.</p> <p>No claim will be allowed for travelling or other expenses which may be incurred by the Contractor in visiting the site or preparing the tender for the works.<br/>The Contractor is advised that the site is within a compound in use and all measures should be taken to avoid nuisance to the existing users. All occupation health and safety requirements must be met as required by law.<br/>This includes prevention/ minimizing noise, dust, fumes, providing access to public facilities as required (lifts, washrooms, staircases). Notices should be given prior to disruption of services.<br/>Where necessary the Contractor will provide temporary facilities for use as instructed by the Project Manager.</p> <p><b>MEASUREMENTS</b><br/>The works are measured in accordance with the Standard Method of Measurement of Building Works 2008 Edition, published by the Architectural Association of Kenya<br/>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER</p> <p><b>SIGNING OF THE TENDER DOCUMENTS</b><br/>The bidder shall append his / her signature and / or company's rubber stamp on each and every page of tender document.</p> |        |
|                                                                 | <p><b>Carried to collection</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |

| ITEM            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AMOUNT |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p><b>A</b></p> | <p><b>DEMOLITIONS AND ALTERATIONS</b></p> <p>The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc. as directed by the Project Manager and as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Project Manager. The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described</p> <p>Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carted away from site.</p> <p>The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use during their removal unless it is certified by the Project Manager that such damage or breakage was inevitable as a result of the condition of the item concerned.</p> |        |
| <p><b>B</b></p> | <p><b>MATERIALS FROM DEMOLITIONS</b></p> <p>Any materials arising from demolitions and not re-used shall become the property of the Ministry of Public Works. The Contractor shall allow in his rates the cost of transporting the demolished materials to where directed by the Project Manager.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
| <p><b>C</b></p> | <p><b>CLEARING AWAY</b></p> <p>The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean</p> <p>The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| <p><b>D</b></p> | <p><b>CLAIMS / COMPENSATION EVENTS</b></p> <p>It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contract period.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| <p></p>         | <p><b>Carried to collection</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA CONSTITUENCY

| ITEM            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                  | AMOUNT |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p><b>A</b></p> | <p><b>PAYMENTS</b><br/>Payments shall be in accordance with the Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his tender sum commensurate to the said elements.</p> |        |
| <p><b>B</b></p> | <p><b>PAYMENT FOR MATERIALS ON SITE</b><br/>All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p>                                      |        |
| <p><b>C</b></p> | <p><b>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</b><br/>The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accident</p>                    |        |
| <p><b>D</b></p> | <p><b>WORKING CONDITIONS</b><br/>The Contractor shall allow in his rates for any interference that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed.</p>                                                    |        |
| <p><b>E</b></p> | <p><b>SIGNBOARD</b><br/>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.</p>                                                                                                                            |        |
| <p><b>F</b></p> | <p><b>LABOUR CAMPS</b><br/>The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>                                                                                                                                                           |        |
| <p><b>G</b></p> | <p><b>PRICING RATES</b><br/>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>                                                                                                                      |        |
|                 | <p><b>Carried to collection</b></p>                                                                                                                                                                                                                                                                                                          |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA CONSTITUENCY

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AMOUNT |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| A    | <p><b>SECURITY</b><br/>The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.</p>                                                                                                                                                                                                                              |        |
| B    | <p><b>PAYMENT FOR MATERIALS ON SITE</b><br/>All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p>                                                                                                                                                                                                              |        |
| C    | <p><b>EXISTING SERVICES</b><br/>Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned</p>                                                                                                                                                                                                                |        |
| D    | <p><b>BID SECURITY</b><br/>The Bidder shall furnish, as part of his bid, a security as specified in the tender advertisement.<br/>The bid security shall, at the bidder's option, be in the form of a certified cheque, bank draft, standby letter of credit or guarantee from a reputable bank located in Kenya or foreign bank which has been determined by the bidder to be acceptable to the</p>                                                                                                                 |        |
| E    | <p><b>PERFORMANCE SECURITY</b><br/>A bond of 5% of the contract sum will be required in accordance with clause 48.0 of Instruction to Tenderers (Section I of the Tender Document) and Clause 4.2 of the General Conditions of Contract (Section VIII of the Tender Document).<br/>Note that no payments on account of works executed will be made to the Contractor until he has submitted the Performance Bond to the Project Manager, duly stamped signed and sealed by an approved bank or insurance company</p> |        |
|      | Carried to collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA CONSTITUENCY

| ITEM                                | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AMOUNT |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p><b>A</b></p>                     | <p><b>INSURANCE</b></p> <p>The Contractor shall insure as required in Condition No. 18 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall, if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |
| <p><b>B</b></p>                     | <p><b>TENDER DOCUMENTS</b></p> <p>Tender documents are as listed in Clause 11 of <b>Section I-Instruction to Tenderers</b> of the Tender Document.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |
| <p><b>C</b></p>                     | <p><b>VALUE ADDED TAX</b></p> <p>The Contractor's attention is drawn to V.A.T PUBLIC NOTICE NO. 6 of 5th August, 1993 regarding the Finance Bill 1993 which expanded the V.A.T base to cover construction services amongst other items. The Contractor shall familiarize himself with the said notice and allow in all his Bills of Quantities rates for the net tax. (i.e. less input tax where applicable) as required by law.</p> <p>The tenderer is advised that in accordance with Government Public Notice No.35 &amp;36 dated 11th September 2003, operational from 1st October 2003, V.A.T will be deducted against the contract sum at the prevailing rate by the Employer and remitted directly to the Commissioner of V.A.T through all interim certificates. It should however be noted that this is not additional tax but a new mode of payment for V.A.T, any excess payment will be refundable once the Contractor has submitted monthly returns to the Commissioner of V.A.T who will do the refunds when satisfied that the V.A.T regulations have been complied with.</p> |        |
| <p><b>Carried to collection</b></p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA CONSTITUENCY

| ITEM                         | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AMOUNT |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| A                            | <p><b>FORM OF CONTRACT</b><br/>The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works (2021 edition) included herein under Section VIII of the Tender Documents</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| B                            | <p><b>CONDITIONS OF CONTRACT</b><br/>These are numbered from 1 to 20 as set out under Section VIII of this Tender Document<br/>If the Contractor considers that compliance with any of the Conditions of Contract involves any expenses, he shall distribute the cost among the rates for the various items in the Bills of Quantities. No claim shall be allowed arising from the Contractor's compliance with any of the Conditions of Contract.</p>                                                                                                                                                                                                                                                                                                                                                                                     |        |
| C                            | <p><b>PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT</b></p> <p>The following are the insertions to be made in the appendix to the Contract Agreement: -</p> <p><b>Period of Final Measurement</b>    3 Months From Practical completion</p> <p><b>Defects Liability Period</b>        6 Months from Practical completion</p> <p><b>Date for Possession</b>            To be agreed with the Project Manager</p> <p><b>Date for Completion</b>            .....20... Weeks from date of Possession</p> <p><b>Delay Damages</b>                  0.05% of the contract price per day</p> <p><b>Period of Interim Certificates</b>                  Monthly</p> <p><b>Percentage of Certified Value Retained</b>                  5 %</p> <p><b>Limit of Retention Fund</b>                                  5 %</p> |        |
| <b>Carried to collection</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA CONSTITUENCY

| ITEM | DESCRIPTION                                                        | AMOUNT |
|------|--------------------------------------------------------------------|--------|
|      | <b><u>COLLECTION</u></b>                                           |        |
|      | Brought forward from page PP/1                                     |        |
|      | Brought forward from page PP/2                                     |        |
|      | Brought forward from page PP/3                                     |        |
|      | Brought forward from page PP/4                                     |        |
|      | Brought forward from page PP/5                                     |        |
|      | Brought forward from page PP/6                                     |        |
|      | Brought forward from page PP/7                                     |        |
|      | Brought forward from page PP/8                                     |        |
|      | <b>TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY</b> |        |

**PROPOSED CONSTRUCTIN TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AMOUNT |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|          | <b><u>GENERAL PRELIMINARIES</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |
| <b>A</b> | <p><b>PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</b><br/>           Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.<br/>           The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| <b>B</b> | <p><b>ABBREVIATIONS</b><br/>           Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p><b>C.M.</b>                      Shall mean cubic metre</p> <p><b>S.M.</b>                      Shall mean square metre</p> <p><b>L.M.</b>                      Shall mean linear metre</p> <p><b>MM</b>                        Shall mean Millimetre</p> <p><b>Kg.</b>                        Shall mean Kilogramme</p> <p><b>No.</b>                        Shall mean Number</p> <p><b>Prs.</b>                        Shall mean Pairs</p> <p><b>B.S.</b>                        Shall mean the British Standard Specification<br/>           Published by the British Standards Institution, 2 Park Street, London W.1., England.</p> <p><b>Ditto</b> Shall mean the whole of the preceding description except as qualified in the description in which it occurs.</p> <p><b>m.s.</b>                        Shall mean measured separately.</p> <p><b>a.b.d</b>                        Shall mean as before described.</p> |        |
|          | <b>Carried to collection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                         | AMOUNT |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>A</b> | <p><b>SUFFICIENCY OF TENDER</b><br/>The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices stated in the priced Bills of Quantities. Rates and prices quoted shall cover all his obligations under the contract and all matters and things necessary for the proper completion and maintenance of the works</p>    |        |
| <b>B</b> | <p><b>RECORDS</b><br/>The Contractor shall ensure proper records are kept and maintained for : Daily Reports on Personnel and Machinery; tracked programme; site photographs in digital camera; weather charts/reports; site instruction book and query book. a digital camera shall be provided for taking progress photos</p>                                                                                                     |        |
| <b>C</b> | <p><b>PLANT, TOOLS AND VEHICLES</b><br/>Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p> |        |
| <b>D</b> | <p><b>TRANSPORT.</b><br/>Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p>                                                                                                                                                                                                                                               |        |
|          | <b>Carried to collection</b>                                                                                                                                                                                                                                                                                                                                                                                                        |        |

**PROPOSED CONSTRUCTIN TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
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| ITEM            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AMOUNT |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p><b>A</b></p> | <p><b>MATERIALS AND WORKMANSHIP.</b><br/>All work is to be carried out in accordance with the Ministry of Works General Specifications for Building Works, 1976 Edition together with any amendments thereto.</p> <p>All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p> |        |
| <p><b>B</b></p> | <p><b>SIGN FOR MATERIALS SUPPLIED.</b><br/>The Contractor will be required to sign a receipt for all articles and materials supplied by the CLIENT at the time of taking deliver thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the CLIENT at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER</p>                                                                                                                                |        |
| <p><b>C</b></p> | <p><b>STORAGE OF MATERIALS</b><br/><br/>The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER. Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p>                                                                                                                                                                                                                                                                                                                            |        |
|                 | <p><b>Carried to collection</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AMOUNT |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p><b>A</b></p> | <p><b>SAMPLES</b></p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER. The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>                                                                                                                                                                                                 |        |
| <p><b>B</b></p> | <p><b>GOVERNMENT ACTS REGARDING WORK PEOPLE ETC.</b></p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople. The Contractor must make himself fully acquainted with current Acts and Regulations including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the information regarding all such regulations and/or restrictions which may affect the organization of the works, supply and control of labour, etc., and allow accordingly in his tender.</p> <p>No claim in respect of want of knowledge in this connection will be entertained.</p> |        |
|                 | <p><b>Carried to collection</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AMOUNT |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p><b>A</b></p> | <p><b>PUBLIC AND PRIVATE ROADS.</b><br/>The contractor shall maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the Project Manager.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |
| <p><b>B</b></p> | <p><b>EXISTING PROPERTY.</b><br/>The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the Project Manager.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |
| <p><b>C</b></p> | <p><b>OCUPATIONAL HEALTH AND SAFETY MEASURES</b><br/>The Project Manager expects the contractor to adhere to strict safety measures. In this regard the contractor should ensure that all his workers, the consultants and his sub-contractors workmen are wearing Personal Protective Equipment (PPE) before commencement of any work where applicable including overalls with the company name clearly printed on the back each with clearly marked Identification Numbers stitched or imprinted on.<br/>The Contractor shall allow for providing all watching, lighting, barriers, signs, covering open trenches and protection of the works, including Sub-Contract works, as may be necessary for the safety of the works and for the protection of the public and his own and Sub-Contractors' employees.<br/>He shall also ensure provision of first aid staff, access to ambulance services at all worksites and arrangement to access local hospital/dispensary with qualified medical staff.<br/>The Project Manager expects full compliance to this regulation and no excuses will be entertained for non-compliance.</p> |        |
| <p><b>D</b></p> | <p><b>OCUPATIONAL HEALTH AND SAFETY PERSONEL</b><br/>The contractor shall allow for Occupational Health and Safety personnel as directed and afford every reasonable facility for the performance of their duties.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |
|                 | <p><b>Carried to collection</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
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| ITEM     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AMOUNT |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>A</b> | <p><b>ACCESS TO SITE AND TEMPORARY ROADS.</b><br/>Means of access to the Site shall be agreed with the CLIENT prior to commencement of the work and Contractor must allow for building any necessary temporary access roads for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| <b>B</b> | <p><b>AREA TO BE OCCUPIED BY THE CONTRACTOR</b><br/>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |
| <b>C</b> | <p><b>OFFICE FOR THE PROJECT MANAGER</b></p> <p>The contractor shall , if so instructed, supply, maintain, service, clean and light a fully furnished, suitable office, having an approximate floor area of not less than 50 sqm for exclusive use of the project. The office shall have a sample room, a toilet and bathroom, kitchen of suitable dimensions with clean running water and electricity connected to the approval of the Project Manager.</p> <p>The Contractor shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p> <p>On completion of the contract, the contents of the office specified above shall revert to the Client. The contractor shall be responsible throughout the contract period for provision of insurance cover, maintenance of the office equipment and furniture, providing all necessary staff and providing security and garbage disposal facilities</p> |        |
|          | <b>Carried to collection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |

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| ITEM            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AMOUNT |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p><b>A</b></p> | <p><b>LIGHTING AND POWER</b></p> <p>The contractor shall provide at his own risk and cost all temporary artificial lighting and power for use on the works including all sub-contractors and specialists requirements and including all temporary connections, wiring, fittings etc. and clearing away on completion. The Contractor shall pay all fees and obtain all permits in connection therewith.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |
| <p><b>B</b></p> | <p><b>WATER RESOURCES AND USEAGE</b></p> <p>The Contractor shall provide at his own risk and cost all necessary water required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost.</p> <p>The contractor is to provide clean drinking water at the construction site for his workers at all times. All water shall be fresh, clean and pure, free from earthly vegetable or organic matter, acid or alkaline substance in solution or suspension.</p> |        |
| <p><b>C</b></p> | <p><b>SANITATION OF THE WORKS</b></p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER<br/>He may however be allowed use of the existing sanitation facilities but shall be responsible for the proper hygienic maintenance and any damage whatsoever. No guarantees are however given regarding the adequacy of the existing services<br/>The Contractor will be required to pay all conservancy charges and shall ensure clean daily maintenance and disinfecting of the latrines, and not less than once per week, the whole area shall be sprayed with disinfectant and insecticides and any temporary drains shall be removed and all works and surfaces disturbed made good and then the whole area disinfected and left clean and free from pollution to the satisfaction of the Architect and local authorities.</p>                                    |        |
|                 | <p><b>Carried to collection</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |

**PROPOSED CONSTRUCTIN TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
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| ITEM     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AMOUNT |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>A</b> | <p><b>SUPERVISION AND WORKING HOURS</b><br/>The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.</p>                                                                                                                 |        |
| <b>B</b> | <p><b>PROVISIONAL SUMS.</b><br/>The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement. Such sums are net and no addition shall be made to them for profit.</p>                                                                                                                                                                                                                            |        |
| <b>C</b> | <p><b>PRIME COST (OR P.C.) SUMS.</b><br/>The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement . Persons or firms nominated by the Project Manager to execute work or to provide and fix materials or goods are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p> |        |
| <b>D</b> | <p><b>PROGRESS CHART.</b><br/>The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.</p>                                                                             |        |
|          | Carried to collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |

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| ITEM     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AMOUNT |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>A</b> | <p><b>ADJUSTMENT OF P.C. SUMS.</b><br/>           In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p> |        |
| <b>B</b> | <p><b>ADJUSTMENT OF PROVISIONAL SUMS.</b><br/>           In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued , but should any part of the work be executed by a Nominated Sub-Contractor or the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| <b>C</b> | <p><b>NOMINATED SUB-CONTRACTORS</b><br/>           When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |
|          | <b>Carried to collection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |

**PROPOSED CONSTRUCTIN TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
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| ITEM     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AMOUNT |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>A</b> | <p><b>DIRECT CONTRACTS</b><br/>Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum in the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>                                                                                                                                                                                                                                                                                                      |        |
| <b>B</b> | <p><b>ATTENDANCE UPON OTHER TRADESMEN, ETC.</b><br/>The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>                                                 |        |
| <b>C</b> | <p><b>PROVISIONAL WORK</b><br/>All work described as "Provisional" in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall be left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER. Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall, if the PROJECT MANAGER so directs, uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p> |        |
|          | <b>Carried to collection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
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| ITEM     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AMOUNT |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>A</b> | <p><b>ALTERATIONS TO BILLS, PRICING, ETC.</b></p> <p>Any unauthorized alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p> |        |
| <b>B</b> | <p><b>BLASTING OPERATIONS</b></p> <p>Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p>                                                                                                                                                                                                       |        |
| <b>C</b> | <p><b>MATERIALS ARISING FROM EXCAVATIONS</b></p> <p>Materials of any kind obtained from the excavations shall be the property of the Client. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER. Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>                      |        |
|          | <b>Carried to collection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |

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| ITEM     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AMOUNT |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>A</b> | <p><b>PROTECTION OF THE WORKS.</b><br/>Provide protection of the whole of the works contained in the Bills of Quantities, including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Client.</p>                                                                                                                                                   |        |
| <b>B</b> | <p><b>WORKS TO BE DELIVERED UP CLEAN</b><br/>Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER</p> |        |
| <b>C</b> | <p><b>GENERAL SPECIFICATION.</b><br/>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>                                                                       |        |
|          | <b>Carried to collection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |

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| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AMOUNT |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| A    | <p><b>TRAINING LEVY</b><br/>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p>                                                                                                                                                                                                                                                                                                                                          |        |
| B    | <p><b>MATERIALS ON SITE</b><br/>All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>                                                                                                                                                                                                                                                                                                   |        |
| C    | <p><b>HOARDING</b><br/>The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centers with two 75 x 50 mm timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p>                                                                                                                                                                           |        |
| D    | <p><b>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</b><br/>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p> |        |
|      | Carried to Collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                         | AMOUNT |
|------|---------------------------------------------------------------------|--------|
|      | <b><u>COLLECTION</u></b>                                            |        |
|      | Brought Forward From Page GP/1                                      |        |
|      | Brought Forward From Page GP/2                                      |        |
|      | Brought Forward From Page GP/3                                      |        |
|      | Brought Forward From Page GP/4                                      |        |
|      | Brought Forward From Page GP/5                                      |        |
|      | Brought Forward From Page GP/6                                      |        |
|      | Brought Forward From Page GP/7                                      |        |
|      | Brought Forward From Page GP/8                                      |        |
|      | Brought Forward From Page GP/9                                      |        |
|      | Brought Forward From Page GP/10                                     |        |
|      | Brought Forward From Page GP/11                                     |        |
|      | Brought Forward From Page GP/12                                     |        |
|      | Brought Forward From Page GP/13                                     |        |
|      | <b>TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND<br/>SUMMARY</b> |        |

# BUILDERS WORK

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                         | QTY | UNIT | RATE | AMOUNT |
|------|-----------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>ELEMENT NO 1</u></b><br><b><u>SUBSTRUCTURE (All Provisional)</u></b>                          |     |      |      |        |
|      | <b><u>Site clearance</u></b>                                                                        |     |      |      |        |
| A    | Clear the site off grass, shrubs and all vegetation; cart away as directed                          | 170 | SM   |      |        |
|      | <b><u>Excavation and earthworks</u></b>                                                             |     |      |      |        |
| B    | Excavate oversite to remove vegetable soil average 150mm deep and dispose 50m away from site        | 170 | SM   |      |        |
| C    | Excavate for strip footing trenches n.e 1.5 m deep from stripped level                              | 123 | CM   |      |        |
| D    | Excavate pits for column bases n.e 1.5 m deep from stripped level                                   | 13  | CM   |      |        |
| E    | Extra-over all excavation for excavating rock irrespective of class                                 | 41  | CM   |      |        |
| F    | Return, fill-in and rum selected imported materials around foundations                              | 72  | CM   |      |        |
| G    | Remove and cart away surplus excavated materials.                                                   | 64  | CM   |      |        |
|      | <b><u>Disposal of Water</u></b>                                                                     |     |      |      |        |
| H    | Allow for keeping all excavation free from all water including spring or running water              | 1   | Item |      |        |
|      | <b><u>Planking and Strutting</u></b>                                                                |     |      |      |        |
| J    | Allow fo upholding the sides of all excavations                                                     | 1   | Item |      |        |
|      | <b><u>Filling</u></b>                                                                               |     |      |      |        |
| K    | Hardcore filling in making up levels, hand packed, 300mm thick in layers of 150mm maximum thickness | 133 | SM   |      |        |
| L    | 50mm (average) thick murrum blinding to surfaces of hardcore                                        | 133 | SM   |      |        |
|      | <b>Carried to Collection</b>                                                                        |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                    | QTY | UNIT | RATE | AMOUNT |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>SUBSTRUCTURE CONTINUED</u></b>                                                                                                                                                                           |     |      |      |        |
|      | <b><u>Antitermite treatment</u></b>                                                                                                                                                                            |     |      |      |        |
| A    | Premise 200 SC or other equal and approved anti-termite insecticide treatment with ten years quarantee, applied strictly in accordance with manufacturer's instructions, to tops of fill and foundation walls. | 133 | SM   |      |        |
|      | <b><u>Plain concrete Class 15 (1:3:6) in;</u></b>                                                                                                                                                              |     |      |      |        |
| B    | 50mm Thick blinding under column bases                                                                                                                                                                         | 12  | SM   |      |        |
| C    | Ditto under strip foundation                                                                                                                                                                                   | 112 | SM   |      |        |
|      | <b><u>Vibrated Reinforced Concrete; Class 25 in;</u></b>                                                                                                                                                       |     |      |      |        |
| C    | Strip footing                                                                                                                                                                                                  | 22  | CM   |      |        |
| D    | Column bases                                                                                                                                                                                                   | 4   | CM   |      |        |
| E    | Foundation Columns                                                                                                                                                                                             | 2   | CM   |      |        |
| F    | 100mm thick bed                                                                                                                                                                                                | 170 | SM   |      |        |
| G    | 1,900mm wide by 2,400mm long ramp 300mm high                                                                                                                                                                   | 9   | SM   |      |        |
|      | <b><u>Reinforcement</u></b>                                                                                                                                                                                    |     |      |      |        |
|      | <b><u>Bars; high yield steel; cold worked to B.S 4461 and hot rolled to B.S 4449 including bends, hooks, tying wire and distance blocks</u></b>                                                                |     |      |      |        |
| F    | In assorted reinforcement of various sizes                                                                                                                                                                     | 765 | Kg   |      |        |
|      | <b><u>Fabric; B.S 4483</u></b>                                                                                                                                                                                 |     |      |      |        |
| G    | Reference A142 mesh 200x200mm, weight 2.22Kgs per square meter                                                                                                                                                 | 170 | SM   |      |        |
|      | <b><u>Walling</u></b>                                                                                                                                                                                          |     |      |      |        |
| H    | 200mm thick natural stone foundation walling bedded in c/s mortar                                                                                                                                              | 205 | SM   |      |        |
|      | <b><u>Sawn cypress formwork to as described;</u></b>                                                                                                                                                           |     |      |      |        |
| J    | To sides of strip footing                                                                                                                                                                                      | 74  | SM   |      |        |
| K    | To sides of column bases                                                                                                                                                                                       | 18  | SM   |      |        |
| L    | To sides of foundation columns                                                                                                                                                                                 | 17  | SM   |      |        |
| J    | Edges of ground floor slab; 75 to 150mm wide                                                                                                                                                                   | 72  | LM   |      |        |
|      | Carried to collection                                                                                                                                                                                          |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                          | QTY | UNIT | RATE | AMOUNT |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>SUBSTRUCTURE CONTINUED</u></b>                                                                                                                 |     |      |      |        |
|      | <b><u>Damp Proofing</u></b>                                                                                                                          |     |      |      |        |
| A    | Polythene sheet; 1000 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding           | 170 | SM   |      |        |
| B    | 200mm wide; B.S 743 Type A bitumen hessian base 150mm laps ( no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand(1:3) mortar | 186 | LM   |      |        |
|      | <b><u>Instu Finishings</u></b>                                                                                                                       |     |      |      |        |
| C    | 12mm cement sand (1:3) render; wood floated to plinth                                                                                                | 21  | SM   |      |        |
|      | <b><u>Painting and Decorations</u></b>                                                                                                               |     |      |      |        |
|      | <b><u>Prepare and apply three coats bituminous paint to;</u></b>                                                                                     |     |      |      |        |
| D    | Wood floated rendered plinths                                                                                                                        | 21  | SM   |      |        |
|      | <b>Carried to collection below</b>                                                                                                                   |     |      |      |        |
|      | <b>COLLECTION</b><br><br>From page BW/1<br><br>From page BW/2<br><br>From page above                                                                 |     |      |      |        |
|      | <b>TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY</b>                                                                                                    |     |      |      |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY

| ITEM | DESCRIPTION                                                                                                                                             | QTY  | UNIT | RATE | AMOUNT |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|--------|
|      | <b><u>ELEMENT NO 2</u></b>                                                                                                                              |      |      |      |        |
|      | <b><u>RC SUPERSTRUCTURE</u></b>                                                                                                                         |      |      |      |        |
|      | <b><u>Instu Concrete; reinforced; class 20/ (20mm);<br/>Vibrated</u></b>                                                                                |      |      |      |        |
| A    | Beams                                                                                                                                                   | 11   | CM   |      |        |
| B    | Columns                                                                                                                                                 | 2    | CM   |      |        |
| C    | 150mm thick suspended slab                                                                                                                              | 62   | SM   |      |        |
|      | <b><u>Reinforcement</u></b>                                                                                                                             |      |      |      |        |
|      | <b><u>Bars; high yield steel; cold worked to B.S 4461 and<br/>hot rolled to B.S 4449 including bends, hooks, tying<br/>wire and distance blocks</u></b> |      |      |      |        |
| D    | In assorted reinforcement of various sizes                                                                                                              | 2005 | Kg   |      |        |
|      | <b><u>Sawn formwork to instu Concrete as described;</u></b>                                                                                             |      |      |      |        |
| E    | To sides and soffits of Beam                                                                                                                            | 149  | SM   |      |        |
| F    | To sides of columns                                                                                                                                     | 34   | SM   |      |        |
| G    | To edges of suspended slab                                                                                                                              | 41   | LM   |      |        |
| H    | To soffits of suspended slab                                                                                                                            | 62   | SM   |      |        |
|      | <b>TOTAL FOR RC SUPERSTRUCTURE CARRIED TO<br/>SUMMARY</b>                                                                                               |      |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                       | QTY | UNIT | RATE | AMOUNT |
|------|-------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>ELEMENT NO 3</u></b>                                                                                        |     |      |      |        |
|      | <b><u>WALLING</u></b>                                                                                             |     |      |      |        |
| A    | 200mm thick approved local; chisel dressed both sides; bedding, jointing and pointing in cement sand (1:3) mortar | 320 | SM   |      |        |
| B    | Ditto: Gable walling                                                                                              | 11  | SM   |      |        |
| B    | Extra over horizontal keying in 10mm thick rod in cement and sand (1:3) mortar, one coat of bituminous paint      | 127 | SM   |      |        |
|      | <b>TOTAL FOR WALLING CARRIED TO SUMMARY</b>                                                                       |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                     | QTY | UNIT | RATE | AMOUNT |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>ELEMENT NO 4</u></b>                                                                                                                                                                                      |     |      |      |        |
|      | <b><u>ROOFING CONSTRUCTION, COVERING AND<br/>RAIN WATER DISPOSAL</u></b>                                                                                                                                        |     |      |      |        |
|      | <b><u>Box Profile roofing sheets; 28 gauge; prepainted</u></b>                                                                                                                                                  |     |      |      |        |
| A    | Roof covering: 150mm laps on one end and one and a half corrugation side lap; and nailing to 75x50mm celcured sawn cypress purlins (m/s) on timber trusses (m/s) at 1200mm c/c all laid to fall at 22.5 degrees | 233 | SM   |      |        |
|      | <b><u>Accessories, Fixing as necessary to roof sheets</u></b>                                                                                                                                                   |     |      |      |        |
| B    | 150mm dia. Half round ridge cap and valleys                                                                                                                                                                     | 56  | LM   |      |        |
|      | <b><u>CARPENTRY</u></b>                                                                                                                                                                                         |     |      |      |        |
|      | <b><u>The following in 18 No. trusses sawn celcured<br/>cypress timber trusses, bolted connections, to detail;<br/>hoisting approx 3.0m above ground.</u></b>                                                   |     |      |      |        |
| C    | 100x50 Rafters                                                                                                                                                                                                  | 203 | LM   |      |        |
| D    | Ditto but Tie beam                                                                                                                                                                                              | 132 | LM   |      |        |
| E    | 75x50mm Ties and Struts                                                                                                                                                                                         | 107 | LM   |      |        |
| F    | Ditto but Purlins                                                                                                                                                                                               | 274 | LM   |      |        |
|      | <b><u>The following in sawn celcured cypress / approved<br/>timbers</u></b>                                                                                                                                     |     |      |      |        |
| G    | 150X50mm wall plate rag-bolted at 1200mm centres with 12mm diameter bolts                                                                                                                                       | 62  | LM   |      |        |
|      | <b><u>The Following inWrot Cypress</u></b>                                                                                                                                                                      |     |      |      |        |
| H    | 200x25mm thick fascia and barge boards                                                                                                                                                                          | 72  | LM   |      |        |
|      | <b>Carried to collection</b>                                                                                                                                                                                    |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                  | QTY | UNIT | RATE | AMOUNT |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
| A    | <p><u>Painting and Decorations</u></p> <p><u>On Woodwork</u></p> <p><u>Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to;</u></p> <p>Fascia and barge boards; 200 to 300mm girth; external</p> | 72  | LM   |      |        |
|      | Carried to collection below                                                                                                                                                                                                                                                  |     |      |      |        |
|      | <p><u>COLLECTION</u></p> <p>Brought forward from BW/6</p> <p>Brought forward from above</p>                                                                                                                                                                                  |     |      |      |        |
|      | <b>TOTAL FOR ROOFING CONSTRUCTION AND COVERING CARRIED TO SUMMARY</b>                                                                                                                                                                                                        |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                | QTY | UNIT | RATE | AMOUNT |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>ELEMENT NO 5</u></b>                                                                                                                                                                                                                                                                                                                                                                 |     |      |      |        |
|      | <b><u>DOORS</u></b>                                                                                                                                                                                                                                                                                                                                                                        |     |      |      |        |
|      | <b><u>METAL WORK-PURPOSE-MADE UNITS</u></b>                                                                                                                                                                                                                                                                                                                                                |     |      |      |        |
|      | <b><u>Fabricate, deliver and install the following purpose made steel casement doors ( to Architect detail) to comply to B.S 990, obtained from approved manufacturer, printed with redoxide primer before delivery to site, complete with hinges, handles, catches and to include 300mm high louvered top vent covered with mosquito gauze wire reinforced with coffee tray wire.</u></b> |     |      |      |        |
| A    | Heavy duty single leaf, double pannelled, steel door size 900 x 2,400mm high                                                                                                                                                                                                                                                                                                               | 8   | NO   |      |        |
| B    | Heavy duty double leaf, double pannelled, steel door size 1,500 x 2,400mm high                                                                                                                                                                                                                                                                                                             | 2   | NO   |      |        |
| C    | Single leaf steel door size 900 x 2,400mm high                                                                                                                                                                                                                                                                                                                                             | 4   | NO   |      |        |
| D    | Heavy duty double leaf, steel grilled door size 1500 x 2,400mm                                                                                                                                                                                                                                                                                                                             | 1   | NO   |      |        |
| E    | Heavy duty double leaf, double pannelled, steel door size 1,800 x 2,400mm high                                                                                                                                                                                                                                                                                                             | 1   | NO   |      |        |
|      | <b><u>Painting and Decoration</u></b>                                                                                                                                                                                                                                                                                                                                                      |     |      |      |        |
|      | <b><u>Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to;</u></b>                                                                                                                                                                                                                                                                             |     |      |      |        |
| F    | General surfaces of metal; external over 300mm girth                                                                                                                                                                                                                                                                                                                                       | 73  | SM   |      |        |
|      | <b>TOTAL FOR DOORS CARRIED TO SUMMARY</b>                                                                                                                                                                                                                                                                                                                                                  |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | QTY | UNIT | RATE | AMOUNT |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>ELEMENT NO 6</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |      |        |
|      | <b><u>WINDOWS</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      |      |        |
|      | <b><u>METAL WORK</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |      |      |        |
|      | <b><u>Supply, assemble and fix the following purpose-made mild steel casement windows; standard metal section from approved manufacturer complete with frames, flat bar transomes transomes, mullions, 12mm steel rod burglar proofing and with and including permanent ventilators comprising "T" bar gauze and 18-gauge sheet metal hood 500mm high x50mm projection to ful width of window, louvred top panels to full width of window, coupling millions, approved ironmongery and one coat manufacturer's primer; all welding ground to</u></b> |     |      |      |        |
| A    | Window; overall size 1800x1500mm high                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10  | NO   |      |        |
| B    | Window; overall size 300x1800mm high                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2   | NO   |      |        |
| C    | Window; overall size 300x300mm high                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 21  | NO   |      |        |
|      | <b><u>Glazing</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      |      |        |
| B    | 4mm thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters, fixing with putty                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 28  | SM   |      |        |
|      | <b><u>Painting and Decorations</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |      |      |        |
|      | <b><u>On Metal Work</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |      |      |        |
|      | <b><u>Prepare and apply three coats oil paint full gloss to Crown Solo or equal and approved to;</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |      |      |        |
| C    | General window surfaces; over 300mm girth internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 60  | SM   |      |        |
|      | <b>TOTAL FOR WINDOWS CARRIED TO SUMMARY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                          | QTY | UNIT | RATE | AMOUNT |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <u>ELEMENT NO 7</u>                                                                                                                                                                                  |     |      |      |        |
|      | <u>FINISHES</u>                                                                                                                                                                                      |     |      |      |        |
|      | <u>Wall Finishes</u>                                                                                                                                                                                 |     |      |      |        |
|      | <u>Instu Finishes</u>                                                                                                                                                                                |     |      |      |        |
|      | <u>Render; 12mm thick 1 No. coatwork of cement and sand (1:3); wood floated to concrete or blockwork base generally to;</u>                                                                          |     |      |      |        |
| A    | Beams and Columns; external                                                                                                                                                                          | 30  | SM   |      |        |
|      | <u>Internal Finishes</u>                                                                                                                                                                             |     |      |      |        |
|      | <u>Plaster; 12mm thick, 2 No. coatwork, 15mm first coat of cement sand (1:3); 3mm second coat of cement and lime putty (1:9); steel trowelled to concrete or blockwork base generally to;</u>        |     |      |      |        |
| B    | Walls, beams; internal                                                                                                                                                                               | 247 | SM   |      |        |
| C    | Soffits of suspended slabs                                                                                                                                                                           | 62  | SM   |      |        |
|      | <u>Painting and Decorating</u>                                                                                                                                                                       |     |      |      |        |
|      | <u>Prepare surfaces and apply undercoat and three finishing coats of high matt silk vinly emulsion paint as "Crown Paints" or other equal approved on plastered masonry or concrete surfaces to;</u> |     |      |      |        |
| D    | Plastered walls; beams; columns; internal and external                                                                                                                                               | 277 | SM   |      |        |
| E    | Soffits of suspended slab                                                                                                                                                                            | 62  | SM   |      |        |
|      | <b>Carried to Collection</b>                                                                                                                                                                         |     |      |      |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY

| ITEM | DESCRIPTION                                                                                                                                                                        | QTY | UNIT | RATE | AMOUNT |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
| A    | <p><u>Floor Finishes</u></p> <p><u>Screed: cement and sand 1:3 with approved integral dust proofing additive wood floated.</u></p> <p>32mm Thick with red oxide color additive</p> | 133 | SM   |      |        |
|      | Carried to Collection                                                                                                                                                              |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                       | QTY | UNIT | RATE | AMOUNT |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <u>Ceiling Finishes</u>                                                                                                                                                                                                                                                                                                                                                                           |     |      |      |        |
|      | <u>Wrot Cypress</u>                                                                                                                                                                                                                                                                                                                                                                               |     |      |      |        |
| A    | 75x25mm moulded cornice                                                                                                                                                                                                                                                                                                                                                                           | 113 | LM   |      |        |
|      | <u>Chipboard Ceiling</u>                                                                                                                                                                                                                                                                                                                                                                          |     |      |      |        |
| B    | Supply, assemble and fix gypsum board partitions in panels consisting of steel studs at 600mm centres both ways with strofoam infill; rawl bolted onto concrete floors, infilled with 12.5mm thick gypsum boards on both sides; all including appropriate fixing brackets and all other accessories; all in accordance with the manufacturer's recommendations; as per Project Architect details. | 95  | SM   |      |        |
|      | <u>Painting and Decoration</u>                                                                                                                                                                                                                                                                                                                                                                    |     |      |      |        |
|      | <u>Knot prime and stop and prepare and apply three coats of plastic emulsion paint;</u>                                                                                                                                                                                                                                                                                                           |     |      |      |        |
|      | <u>To wood Surfaces</u>                                                                                                                                                                                                                                                                                                                                                                           |     |      |      |        |
| C    | Chipboard ceiling boards                                                                                                                                                                                                                                                                                                                                                                          | 95  | SM   |      |        |
| D    | Ditto cornice not exceeding 100mm girth                                                                                                                                                                                                                                                                                                                                                           | 113 | LM   |      |        |
|      | <b>Carried to collection below</b>                                                                                                                                                                                                                                                                                                                                                                |     |      |      |        |
|      | <u>COLLECTION</u>                                                                                                                                                                                                                                                                                                                                                                                 |     |      |      |        |
|      | From page BW/10                                                                                                                                                                                                                                                                                                                                                                                   |     |      |      |        |
|      | From page BW/11                                                                                                                                                                                                                                                                                                                                                                                   |     |      |      |        |
|      | From page (above)                                                                                                                                                                                                                                                                                                                                                                                 |     |      |      |        |
|      | <b>TOTAL FOR FINISHES CARRIED TO SUMMARY</b>                                                                                                                                                                                                                                                                                                                                                      |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| <b>ITEM</b> | <b>DESCRIPTION</b>                                           | <b>QTY</b> | <b>UNIT</b> | <b>RATE</b> | <b>AMOUNT</b> |
|-------------|--------------------------------------------------------------|------------|-------------|-------------|---------------|
|             | <b>SUMMARY</b>                                               |            |             |             |               |
| 1           | SUBSTRUCTURE (ALL PROVISIONAL)                               |            |             |             |               |
| 2           | RC SUPERSTRUCTURE                                            |            |             |             |               |
| 3           | WALLING                                                      |            |             |             |               |
| 4           | ROOF CONSTRUCTION                                            |            |             |             |               |
| 5           | DOORS                                                        |            |             |             |               |
| 6           | WINDOWS                                                      |            |             |             |               |
| 7           | FINISHES                                                     |            |             |             |               |
|             | <b>TOTAL FOR BUILDER'S WORK CARRIED TO<br/>GRAND SUMMARY</b> |            |             |             |               |

# MECHANICAL INSTALLATIONS

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION,  
THARAKA CONSTITUENCY

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                | QTY | UNIT | RATE | AMOUNT |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
| A    | <p><u>SANITARY FITTINGS</u></p> <p><u>Supply, deliver, install, test and commission the following sanitary appliances complete with all the accessories including all connections to the services, waste, jointing to water supply overflows, supports and all plugging and screwing to walls and floors</u></p> <p>Complete set ceramic squat pan toilet with 6litres cistern odor Resistant.The suite be as "Ideal Standard" or approved equivalent.</p> | 2   | NO   |      |        |
|      | TOTALS FOR SANITARY FITTINGS CARRIED TO SUMMARY                                                                                                                                                                                                                                                                                                                                                                                                            |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION,  
THARAKA CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                     | QTY | UNIT | RATE | AMOUNT |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>INTERNAL PLUMBING</u></b>                                                                                                                                                                                                                                 |     |      |      |        |
|      | <u>Supply, deliver and install Polypropylene Random (PP-R) 20 pipework to DIN 8077 with joints, couplings, reducers, tees, adaptors, pipe fixing clips etc all to DIN 16962 and DIN 16928 .Pipe jointing shall be by polyfusion or use of electric coupling</u> |     |      |      |        |
|      | <b><u>PP-R PIPES</u></b>                                                                                                                                                                                                                                        |     |      |      |        |
| A    | 25mm dia.                                                                                                                                                                                                                                                       | 7   | LM   |      |        |
| B    | 20mm ditto                                                                                                                                                                                                                                                      | 5   | LM   |      |        |
|      | <b><u>Extra Over</u></b>                                                                                                                                                                                                                                        |     |      |      |        |
|      | <b><u>90 Degrees elbow</u></b>                                                                                                                                                                                                                                  |     |      |      |        |
| C    | 25mm diameter bend                                                                                                                                                                                                                                              | 6   | NO   |      |        |
| D    | 20mm ditto                                                                                                                                                                                                                                                      | 4   | NO   |      |        |
|      | <b><u>Equal Tees</u></b>                                                                                                                                                                                                                                        |     |      |      |        |
| E    | 25mm equal tee                                                                                                                                                                                                                                                  | 2   | NO   |      |        |
| F    | 25mm diameter medium pressure screw down full way non rising stem wedge gate valve with wheel and head joint to steel tubing,as' Pegler' or approved equivalent.                                                                                                | 1   | NO   |      |        |
|      | <b>TOTAL FOR INTERNAL PLUMBING CARRIED TO SUMMARY</b>                                                                                                                                                                                                           |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION,  
THARAKA CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                  | QTY | UNIT | RATE | AMOUNT |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>INTERNAL DRAINAGE</u></b>                                                                                                                                                                                                                                                                                                                                                              |     |      |      |        |
|      | <u>Supply, deliver and fix the following uPVC soil and waste systems to BS4514 and 5225 with fittings fixed in accordance to the manufactureres printed instructions and BS 5572 and manufactured by 'KEY TERRAIN' as described. Pipe work shall be Medium grade (Class D). All UPVC brances, Tees, reducers etc are to be formed in accordance to the manufacturers printed instuction.</u> |     |      |      |        |
|      | <b><u>UPVC and muPVC pipe work</u></b>                                                                                                                                                                                                                                                                                                                                                       |     |      |      |        |
| A    | 100mm heavy duty golden brown pipe ClassD                                                                                                                                                                                                                                                                                                                                                    | 20  | LM   |      |        |
|      | <b><u>Tees</u></b>                                                                                                                                                                                                                                                                                                                                                                           |     |      |      |        |
| B    | 10mm diameter Tee                                                                                                                                                                                                                                                                                                                                                                            | 2   | NO   |      |        |
|      | <b><u>90 Degrees Bend</u></b>                                                                                                                                                                                                                                                                                                                                                                |     |      |      |        |
| C    | 100mm diameter Bend                                                                                                                                                                                                                                                                                                                                                                          | 8   | NO   |      |        |
|      | <b><u>Access Cap</u></b>                                                                                                                                                                                                                                                                                                                                                                     |     |      |      |        |
| D    | 100mm ditto                                                                                                                                                                                                                                                                                                                                                                                  | 2   | NO   |      |        |
|      | <b><u>Weathering Slates and Vent Cowls</u></b>                                                                                                                                                                                                                                                                                                                                               |     |      |      |        |
| E    | 100mm diamter vent cowl                                                                                                                                                                                                                                                                                                                                                                      | 2   | NO   |      |        |
| F    | 100mm diamter weathering slate                                                                                                                                                                                                                                                                                                                                                               | 2   | NO   |      |        |
|      | <b><u>Inspection Chmaber</u></b>                                                                                                                                                                                                                                                                                                                                                             |     |      |      |        |
| G    | Standard 600 x 450 x (600-1000)mm inspection chamber complete with Heavy duty cover as made by FIBERITE or Equivalent.                                                                                                                                                                                                                                                                       | 2   | NO   |      |        |
|      | <b>TOTALS FOR INTERNAL DRAINAGE CARRIED TO SUMMARY</b>                                                                                                                                                                                                                                                                                                                                       |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION,  
THARAKA CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                        | QTY | UNIT | RATE | AMOUNT |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>FIRE PROTECTION</u></b>                                                                                                                                                                                                                                      |     |      |      |        |
|      | <b><u>Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.</u></b>                                                                                                                         |     |      |      |        |
| A    | 9 litres water portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.                                                                                                                                                      | 2   | NO   |      |        |
| B    | 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.                                                                                                                                             | 2   | NO   |      |        |
| C    | 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.                                                                                                                                             | 2   | NO   |      |        |
| D    | 9" (225mm) manual operated alarm bell (Gong)                                                                                                                                                                                                                       | 1   | NO   |      |        |
| E    | Fire blanket made of cloth woven with pre asbestos yarn or any other fire proof material and to measure 1800 x 1210 mm. It shall be fitted with special tapes folded so as to offer instantaneous single action to release blanket from storing jacket to BS 1721. | 1   | NO   |      |        |
|      | <b><u>Fire Notices</u></b>                                                                                                                                                                                                                                         |     |      |      |        |
| F    | Allow for fire signage and fire instructions as directed by the Project Engineer.                                                                                                                                                                                  | 2   | NO   |      |        |
| G    | Fire exit signs                                                                                                                                                                                                                                                    | 1   | NO   |      |        |
|      | <b>TOTALS FOR FIRE PROTECTION CARRIED TO SUMMARY</b>                                                                                                                                                                                                               |     |      |      |        |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION,  
THARAKA CONSTITUENCY**

| ITEM | DESCRIPTION                                                    | QTY | UNIT | RATE | AMOUNT |
|------|----------------------------------------------------------------|-----|------|------|--------|
|      | <u>SUMMARY</u>                                                 |     |      |      |        |
|      | Sanitary Fittings                                              |     |      |      |        |
|      | Internal Plumbing                                              |     |      |      |        |
|      | Internal Drainage                                              |     |      |      |        |
|      | Fire Protection                                                |     |      |      |        |
|      | <b>TOTAL FOR MECHANICAL BILLS CARRIED<br/>TO GRAND SUMMARY</b> |     |      |      |        |

# ELECTRICAL INSTALLATIONS

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| <b>SCHEDULE NO. 1: LIGHT POINTS,POWER POINTS &amp; FITTINGS</b>  |                                                                                                                                                                                                                 |            |             |              |               |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|---------------|
| <b>ITEM</b>                                                      | <b>DESCRIPTION</b>                                                                                                                                                                                              | <b>QTY</b> | <b>UNIT</b> | <b>RATES</b> | <b>AMOUNT</b> |
|                                                                  | <b>SUPPLY,INSTALL,TEST AND COMMISSION THE FOLLOWING:</b>                                                                                                                                                        |            |             |              |               |
|                                                                  | <b>Lighting Points</b>                                                                                                                                                                                          |            |             |              |               |
|                                                                  | Lighting point wired in 3x1.5mm <sup>2</sup> SC-PVC-Cu cables drawn in 20mm diameter HG PVC conduits concealed inside the Concrete slab complete with all necessary accessories excluding switches and fittings |            |             |              |               |
| A                                                                | i) One way switching                                                                                                                                                                                            | 21         | NO          |              |               |
|                                                                  | <b>Lighting Switches</b>                                                                                                                                                                                        |            |             |              |               |
|                                                                  | 10A Architrave lighting switch plates as Crabtree or approved equivalent as follows:                                                                                                                            |            |             |              |               |
| B                                                                | i) One gang one way switch                                                                                                                                                                                      | 7          | NO          |              |               |
| C                                                                | ii)Two gang one way Switch                                                                                                                                                                                      | 2          | NO          |              |               |
|                                                                  | <b>Light fittings complete with all accessories and lamps as follows:</b>                                                                                                                                       |            |             |              |               |
|                                                                  | i) 1200mm, 1x36W standard IP66 rated Batten fitting with corrosion resistant enclosure for T8 LED lamp as PHILIPS or approved equivalent                                                                        |            |             |              |               |
| D                                                                | ii) 600mm, 1x25W standard IP66 rated Batten fitting with corrosion resistant enclosure for T8 LED lamp as PHILIPS or approved equivalent                                                                        | 11         | NO          |              |               |
| E                                                                | iii) Bulk head fittings with vandal proof screws                                                                                                                                                                | 8          | NO          |              |               |
| F                                                                |                                                                                                                                                                                                                 | 2          | NO          |              |               |
|                                                                  | <b>Socket Outlets</b>                                                                                                                                                                                           |            |             |              |               |
|                                                                  | i)Socket outlet point comprising wiring in 3x2.5mm <sup>2</sup> PVC-SC-Cu cables drawn in trunking or concealed in 25mm diameter HG/PVC conduits.                                                               |            |             |              |               |
| G                                                                |                                                                                                                                                                                                                 | 11         | NO          |              |               |
|                                                                  | ii) 13A switched twin socket outlet mounted on trunking as Crabtree or approved equivalent                                                                                                                      |            |             |              |               |
| H                                                                |                                                                                                                                                                                                                 | 11         | NO          |              |               |
| <b>TOTAL FOR SCHEDULE NO. 1: LIGHT POINTS,POWER POINTS &amp;</b> |                                                                                                                                                                                                                 |            |             |              |               |

**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

**SCHEDULE NO. 2: POWER DISTRIBUTION & RETICULATION**

| ITEM                                                           | DESCRIPTION                                                                                                                                                                                  | QTY | UNIT    | RATES | AMOUNT |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|-------|--------|
|                                                                | <b>SUPPLY,INSTALL,TEST AND COMMISSION THE FOLLOWING:</b>                                                                                                                                     |     |         |       |        |
|                                                                | <b>Consumer Unit/Distribution Board</b>                                                                                                                                                      |     |         |       |        |
| A                                                              | a) 8-way TPN consumer unit flush mounted on wall complete with a 63A TP/N integral isolator as CRABTREE or approved equivalent.                                                              | 1   | NO      |       |        |
|                                                                | <b>Miniature Circuit Breakers to fit into the above Distribution Board as follows</b>                                                                                                        |     |         |       |        |
| B                                                              | i) 10A SP                                                                                                                                                                                    | 1   | NO      |       |        |
| C                                                              | ii) 16A sp                                                                                                                                                                                   | 1   | NO      |       |        |
| D                                                              | iii) 6A DP                                                                                                                                                                                   | 1   | NO      |       |        |
|                                                                | <b>EARTHING</b>                                                                                                                                                                              |     |         |       |        |
| E                                                              | a) 12.5x2400mm earth rod as to Engineers approval.                                                                                                                                           | 2   | NO      |       |        |
| F                                                              | b) 12.5 mm dia. Driving stud to approval                                                                                                                                                     | 2   | NO      |       |        |
| G                                                              | c) Rod to cable clamp to approval                                                                                                                                                            | 2   | NO      |       |        |
|                                                                | d) 16mm sq. SC PVC Copper cables drawn in 20mm dia HG conduit for grounding and bonding of all metallic parts with exothermic welding joints/connections to copper tape.                     | 3   | LM      |       |        |
| H                                                              | e) Concrete inspection pit to approval (well made 320x320x210mm depth pit)                                                                                                                   | 1   | section |       |        |
| I                                                              | F) 25 x3 mm copper tape including all accessories to be buried 600mm below ground in trench around the building to connect the bonding conductors with exothermic welding joints/connections | 2   | LM      |       |        |
| J                                                              |                                                                                                                                                                                              |     |         |       |        |
| <b>TOTAL FOR SCHEDULE NO. 2: POWER DISTRIBUTION CARRIED TO</b> |                                                                                                                                                                                              |     |         |       |        |

PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY

|                              |  |  |  |
|------------------------------|--|--|--|
| <b>SUMMARY PAGE</b>          |  |  |  |
| TOTAL BROUGHT FORWARD P/ 1   |  |  |  |
| TOTAL BROUGHT FORWARD P/ 2   |  |  |  |
| <b>TOTAL ELECTRICAL WORK</b> |  |  |  |

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## PRIME COST & PROVISIONAL SUMS

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**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| ITEM | DESCRIPTION                                                                                                                                                                                                          | QTY | UNIT | RATE | AMOUNT |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|      | <b><u>PROVISIONAL SUMS</u></b>                                                                                                                                                                                       |     |      |      |        |
|      | <b><u>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in these bills of quantities or prorata thereto or deducted in whole if not required</u></b> |     |      |      |        |
| A    | Allow provisional sum of Kenya Shillings Two Hundred and Seventy Five Thousand for Project Administration                                                                                                            |     |      |      |        |
| B    | Allow provisional sum of Kenya Shillings One Hundred Thousand only for contingencies                                                                                                                                 |     |      |      |        |
| B    | Allow for kshs ten thousand Kshs 10,000 for project marble plate as directed by the client on site.                                                                                                                  |     |      |      |        |
| C    | Allow for Kshs Five Thousand Kshs 5,000 for project Sign Board as directed by the client on site                                                                                                                     |     | Item |      |        |
| D    | Allow for Kshs Five Thousand Kshs 5,000 for project Branding as directed by the client on site                                                                                                                       |     |      |      |        |
| E    | Allow a provisional sum of 0.03% for procurement levy                                                                                                                                                                |     | Item |      |        |
|      | <b>TOTAL FOR PROVISIONAL SUMS<br/>CARRIED TO GRAND SUMARRY</b>                                                                                                                                                       |     |      |      |        |

# GRAND SUMMARY

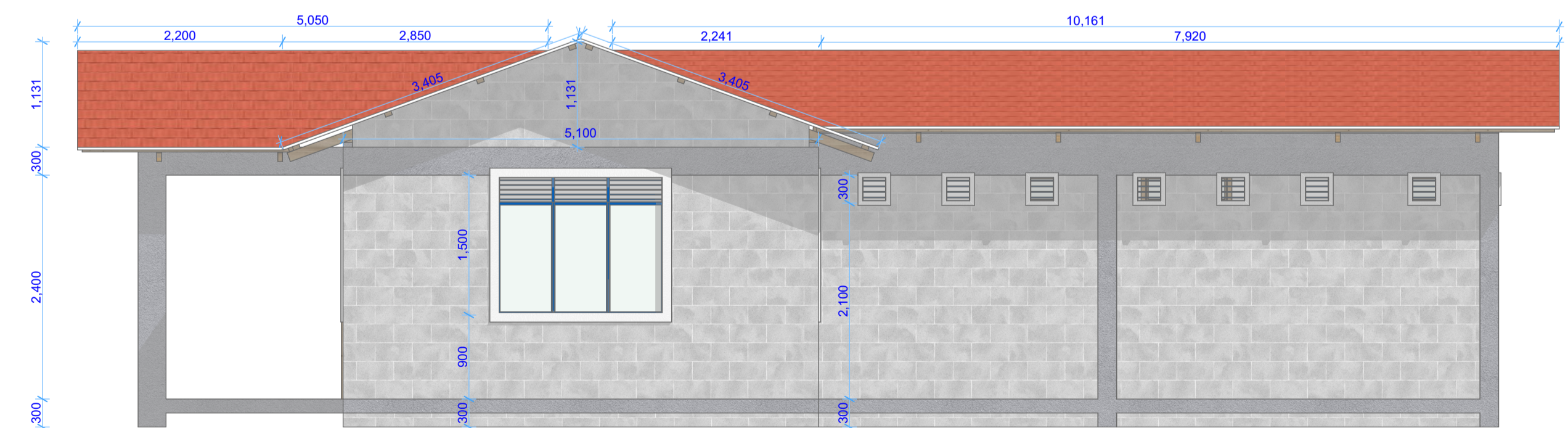
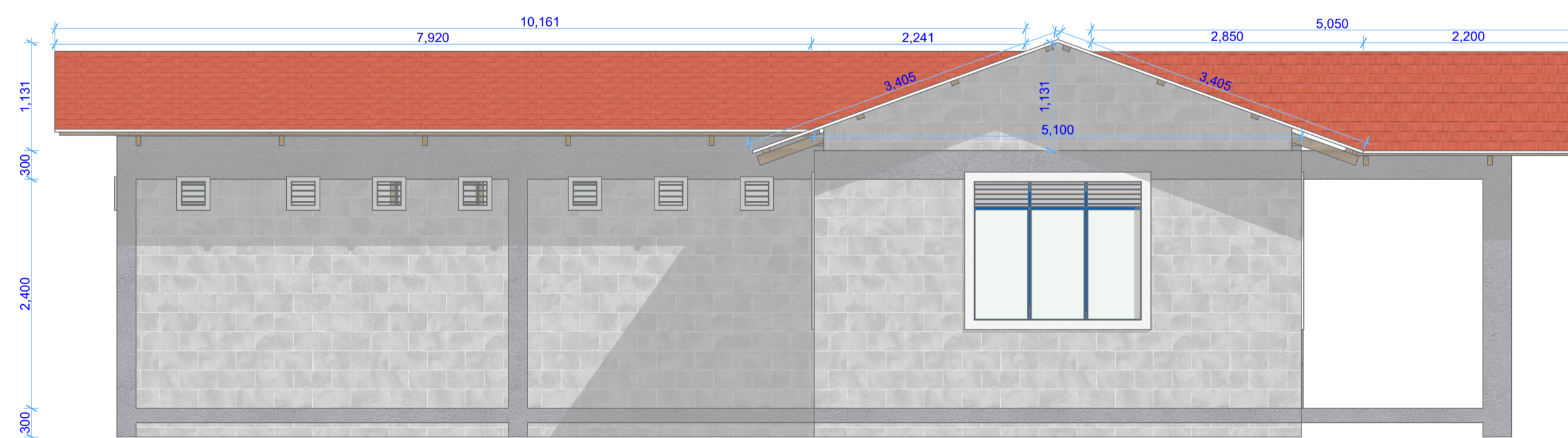
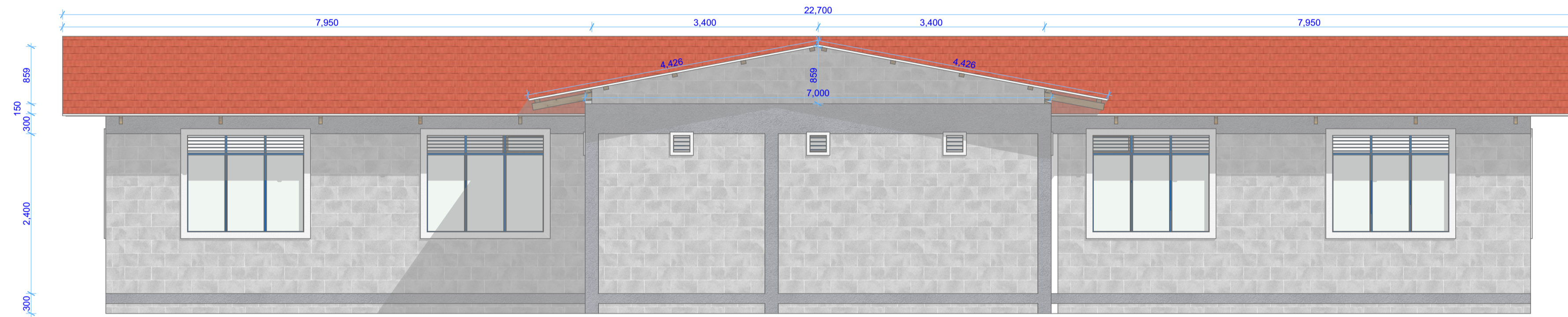
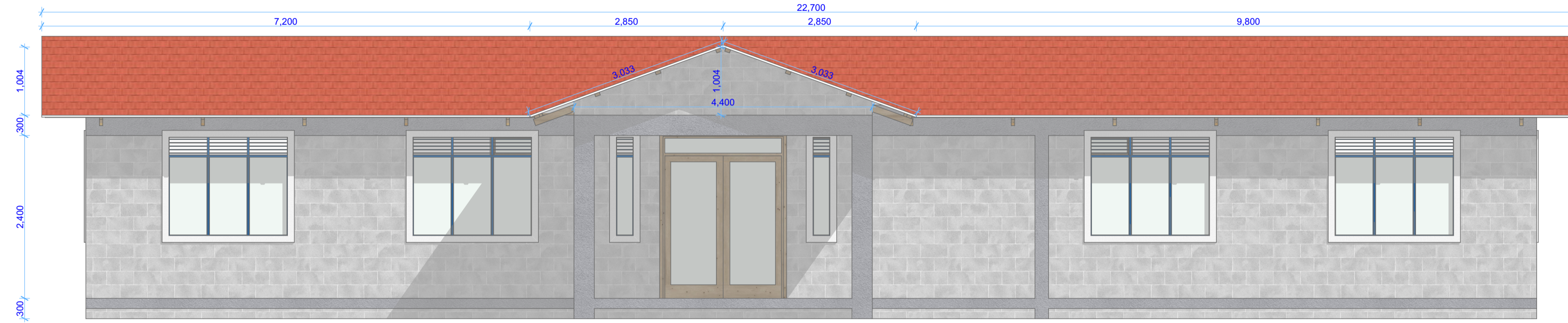
**PROPOSED CONSTRUCTION TO COMPLETION OF CHIAKARIGA POLICE STATION, THARAKA  
CONSTITUENCY**

| GRAND SUMMARY                                                                                                                                                                                                                                                   |                          |              |                          |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|--------------------------|---------------------|
| ITEM                                                                                                                                                                                                                                                            | DESCRIPTION              | PAGE         | FOR TENDERER<br>USE ONLY | FOR OFFICIAL<br>USE |
| 1.00                                                                                                                                                                                                                                                            | PARTICULAR PRELIMINARIES | <u>PP/9</u>  |                          |                     |
| 2.00                                                                                                                                                                                                                                                            | GENERAL PRELIMINARIES    | <u>GP/14</u> |                          |                     |
| 3.00                                                                                                                                                                                                                                                            | BUILDER'S WORK           | <u>BW/13</u> |                          |                     |
| 4.00                                                                                                                                                                                                                                                            | MECHANICAL WORKS         | <u>MW/5</u>  |                          |                     |
| 5.00                                                                                                                                                                                                                                                            | ELECTRICAL WORKS         | <u>EW/3</u>  |                          |                     |
| 6.00                                                                                                                                                                                                                                                            | PROVISIONAL SUM          | <u>PS/1</u>  |                          |                     |
| <b>GRAND TOTAL CARRIED TO FORM OF TENDER (VAT INCLUSIVE)</b>                                                                                                                                                                                                    |                          |              |                          |                     |
| <p>AMOUNT IN WORDS : KENYA SHILLINGS .....</p> <p>.....</p> <p>TENDERER'S NAME.....</p> <p>ADDRESS.....</p> <p>DATE .....</p> <p>TENDERER'S SIGNATURE .....</p> <p>WITNESS'S NAME.....</p> <p>ADDRESS .....</p> <p>DATE .....</p> <p>WITNESS SIGNATURE.....</p> |                          |              |                          |                     |

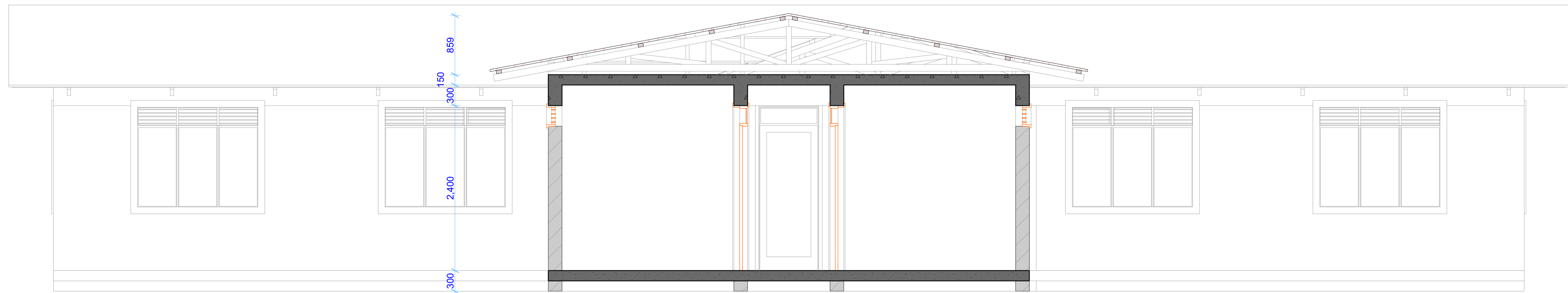
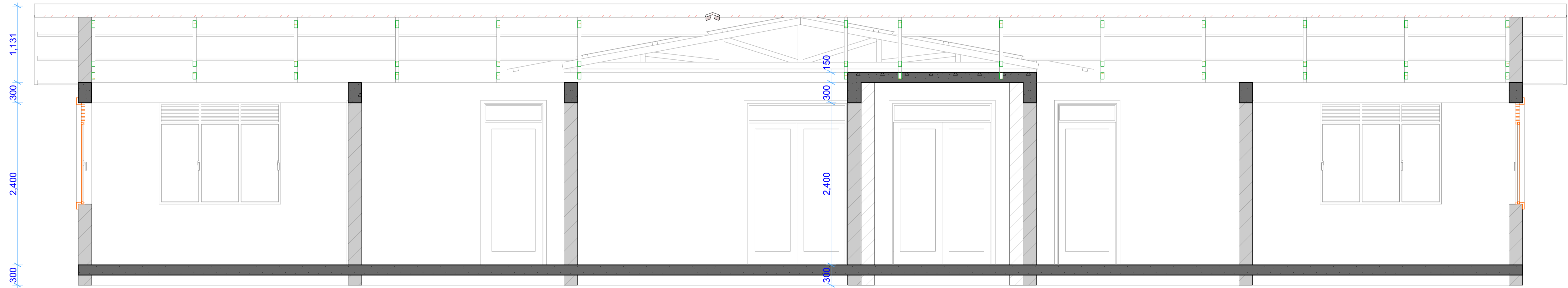
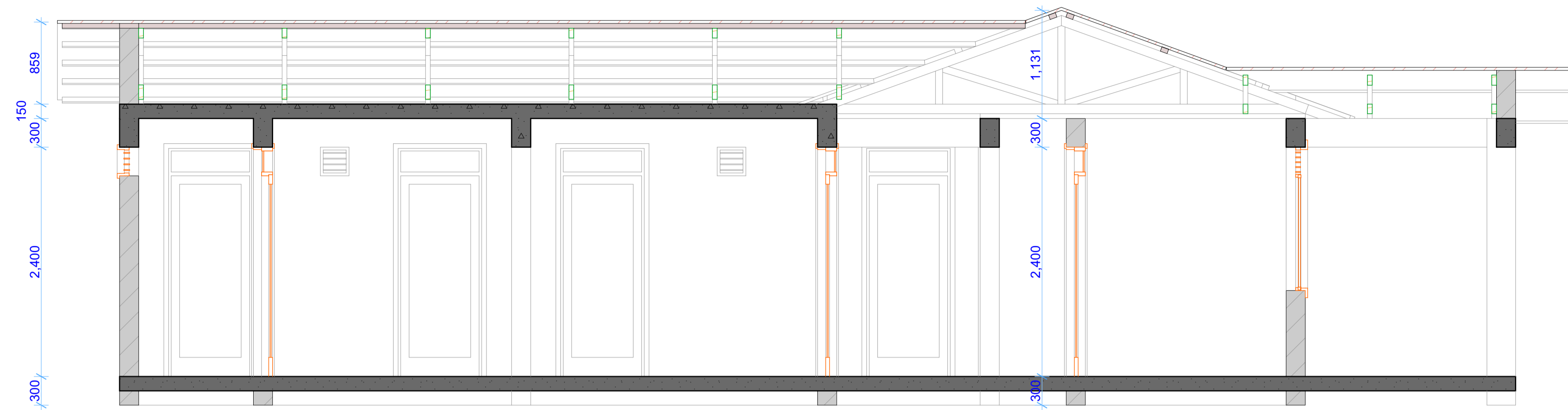
DRAWINGS



# PROPOSED CHIAKARIGA POLICE STATION (Architectural Schematic Drawings - June 2026)

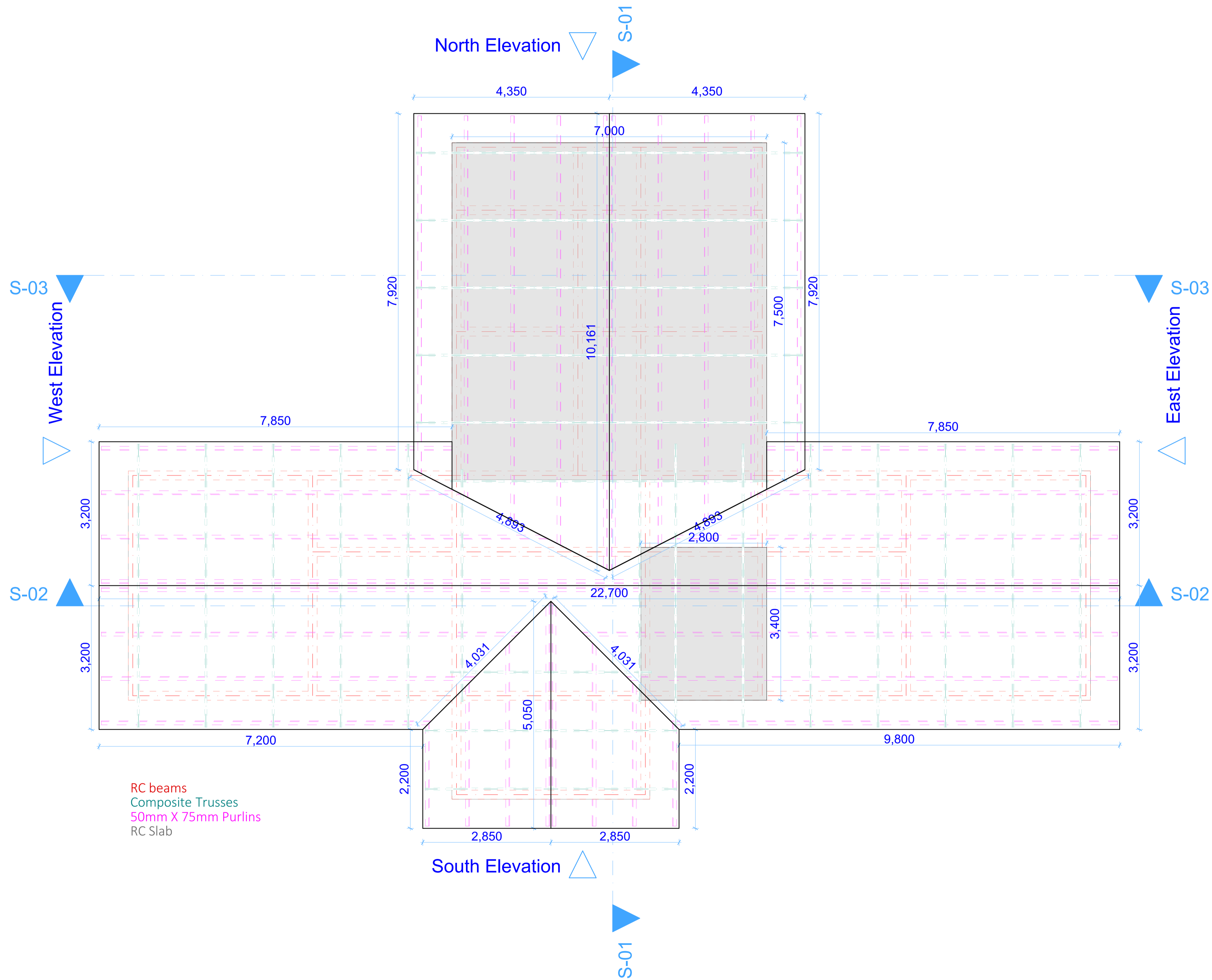


# PROPOSED CHIAKARIGA POLICE STATION (Architectural Schematic Drawings - June 2026)





**ROOF LAYOUT**



**ROOF TRUSSES**

