

REPUBLIC OF KENYA
PROPOSED CONSTRUCTION OF STANDARD MAGISTRATES COURT
IN
MERU COUNTY

TENDER DOCUMENT

PROJECT MANAGER

COUNTY PUBLIC WORKS OFFICER
MERU COUNTY
P.O.BOX 25-60200
MERU

ARCHITECT

COUNTY WORKS ARCHITECT
MERU COUNTY
P.O.BOX 25-60200
MERU

QUANTITY SURVEYOR

COUNTY WORKS QUANTITY SURVEYOR
MERU COUNTY
P.O.BOX 25-60200
MERU

ELECTRICAL ENGINEER

COUNTY WORKS ENGINEER
MERU COUNTY
P.O.BOX 25-60200
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STRUCTURAL ENGINEER

COUNTY WORKS ENGINEER
MERU COUNTY
P.O.BOX 25-60200
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MECHANICAL ENGINEER

COUNTY WORKS ENGINEER
MERU COUNTY
P.O.BOX 25-60200
MERU

MAY, 2026

PRELIMINARIES AND PRICING NOTES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE (VAT Inclusive) (KSHS)	AMOUNT (KSHS)
	<p><u>SECTION NO. 1 - PRELIMINARIES</u></p> <p><u>BILL NO. 1</u></p> <p><u>PARTICULAR PRELIMINARIES</u></p> <p><u>IMPORTANT PRICING NOTES</u></p> <p>A DEFINITION OF TERMS The following terms, whenever used hereinafter and in all contract Documents shall be interpreted as hereunder:-</p> <p>B NAME OF PARTIES AND DEFINITION OF TERMS The following terms, wherever they shall occur shall be interpreted as hereunder: -</p> <p>(a) "The Employer" shall be held to mean The Chief Registrar of the Judiciary of Kenya P.O. Box 30041 - 00100, Nairobi</p> <p>(b) "The Project Manager" shall be held to mean The Deputy Director; Directorate of Building Services- Judiciary of Kenya P.O. Box 30041 - 00100, Nairobi</p> <p>(c) "The Architects" shall be held to mean The Assistant Director Architectural services-Judiciary of Kenya P.O. Box 30041 - 00100, Nairobi</p> <p>(d) "The Quantity Surveyors" shall be held to mean The Assistant Director Quantity Surveying Services-Judiciary of Kenya P.O. Box 30041 - 00100, Nairobi</p> <p>(e.) " The Structural & Civil Engineers" shall be held to Mean The Assistant Director Engineering Services-Judiciary of Kenya P.O. Box 30041 - 00100, Nairobi</p> <p>(f) " Electrical & Mechanical Engineers" shall be held to mean: The Assistant Director Engineering Services-Judiciary of Kenya P.O. Box 30041 - 00100, Nairobi</p> <p>(g) "Employer's Representative" - Wherever the terms "Project Manager" "Architect" "Quantity Surveyor" and "Engineer" as defined above are used in all Contract documents, they shall be deemed to imply the Employer's representatives or such persons as they may duly authorize to present them on behalf of the Employer or the successors in office of such persons and also such persons as may be deputed by such representatives to act on their behalf for the purpose of this Contract, the shall all be deemed to imply the "Employers representative"</p>				
	Total Carried Forward				

	<p>Total Brought Forward</p> <p>(h) "Works" shall be held to mean all or any portion of work, materials and articles wherever the same are being manufactured or prepared which are to be used in the execution of this Contract, and whether the same be on the site of the buildings or not.</p> <p>(l) The Contractor shall be held to mean the person or persons partnership, firm or company whose tender for the Works has been accepted and who has or have signed the Contract and shall include his or their heirs, executors, administrators, assigns, successors and duly appointed representatives.</p> <p>(j) The term Sub-Contractor shall be deemed to mean the person or persons, partnership, firm or company who has or have been engaged by the Contractor to carry out any Sub-Contract works forming part of this Contract and shall include his or their heirs, etc. as described above or who shall be appointed by the Employer to carry out the Sub-Contract</p> <p>C PRICING OF ITEMS OF PRELIMINARIES</p> <p>Items described in this section cover the minimum requirements and conditions necessary for the full and proper execution of the contract.</p> <p>The tenderer is required to read and fully understand his obligations under each item and thus assess his costs for complying with the same for the duration of the contract.</p> <p>Tenderers shall be required to price against the items in the preliminaries, if no price is inserted, it shall be deemed that the tenderer has covered any costs associated with that preliminary item elsewhere in the Bills of quantities and shall be required to comply with all costs associated with the items of preliminaries and shall be construed to have been offered for free.</p> <p>D TENDER VALIDITY</p> <p>The attention of the Tenderers is drawn to clauses of instructions tenderers on validity of tender and Tender Security</p> <p>E LOCATION OF SITE</p> <p>The site of the proposed works is Located in.....</p> <p>The Contractor shall be deemed to have visited the site and satisfied himself as to:-</p> <p>a) The nature and position of the site</p> <p>b) The amount of the demolitions (if any), rubbish or debris to be cleared away before commencement</p> <p>c) The nature, current usage, proximity and size of adjoining property and building</p>			
	<p>Total Carried Forward</p>			

	<p>Total Brought Forward</p> <p>d) The availability of land for the erection and positioning of all temporary structures, plant and materials necessary for the execution of the works. The contractor shall obtain approval from the relevant Local Authority in all matters relating to site access and erection of temporary structures and must ensure adherence to the requirements of these authorities.</p> <p>e) The risk of injury to the property adjacent to the site, or to the occupiers of such property.</p> <p>f) The nature of the materials to be excavated and the conditions under which the works will have to be carried out, the supply of and conditions affecting labour and the facilities for obtaining the articles or materials referred to in these Bills of Quantities. Any damage caused to existing accesses and roads must be made good as directed by and to the approval of the Architect. The Contractor must obtain the approval of the Architect in respect of the usage of any materials found on site.</p> <p>No claim will be allowed on the ground of any misunderstanding or misapprehension in respect of any such matter or for travelling or other expenses which may be incurred by the Contractor in visiting the site or preparing the tender for the works.</p> <p>F</p> <p>SCOPE OF CONTRACT AND DESCRIPTION OF THE WORKS</p> <p>The work to be carried out under this contract comprises the completion of the court building to accommodate courtrooms, chambers, registries, offices, toilets & cells. The construction generally comprises reinforced concrete foundations & superstructure frame & partitions with machine cut stone.</p> <p>Doors are hardwood panel doors, solid core flush door, glazed steel doors and aluminium folding doors. Windows to have powder coated aluminium frames with glazing.</p> <p>External wall finishes generally consists of render & paint. Floor finishes are generally non slip granito tiles. Internal wall finishes are generally ceramic tiles and plaster and paint. Ceiling finishes are painted gypsum ceiling, plaster and paint.</p> <p>Services comprise general electrical installation and plumbing, drainage and fire fighting installation.</p> <p>External works are paved parking, storm water drains, foul water drainage & waste water treatment plant.</p> <p>The scope and specification of the works is shown and described in the bills of quantities and in the architectural and engineering drawings listed in the appendix. The drawings are available for inspection in the architect or engineers offices.</p>			
	<p>Total Carried Forward</p>			

	Total Brought Forward			
G	<p>FLOOR AREAS</p> <p>The total gross floor area is approximately 675 Square Metres.</p> <p>The overall floor area is measured over walls and is given without warranty but for guidance only.</p>			
H	<p>DRAWINGS</p> <p>The Contractor will be deemed to have examined the drawings before tendering and to have satisfied himself regarding their details and regarding the nature and extent of the works and the method of construction involved. No claims arising out of misapprehension in these respects will be allowed. Drawings may be seen by appointment at the offices of the Architect during normal working hours.</p> <p>The works are to be executed in accordance with the drawings referred to in the schedule of drawings used in the preparation of Bills of Quantities together with Contract drawings and any drawings which may be supplied in amplification or amendment thereof.</p> <p>Figured dimensions are to be followed in preference to dimensions scaled from the drawings but whenever possible dimensions are to be taken on the site or from the buildings. Before any work is commenced by Sub-Contractors or Specialist Firms, dimensions must be checked on the site and/or buildings and agreed with the Contractor, irrespective of the comparable responsibility for the accuracy of such dimensions.</p> <p>The Tenderers attention is drawn to the fact that references have been made to some drawings in the measured section of the Bills of Quantities. If not amongst the tender drawings, such drawings can be inspected by Tenderers at the Architects offices by prior appointment.</p>			
J	<p>SITE DIARY AND INSTRUCTIONS BOOK</p> <p>A site instructions book shall be provided by the Contractor in the form of a double foolscap size stiff covered ruled book which should be kept available at all times at the site.</p> <p>Entries made in the site instructions book by the Architect or his duly appointed representative shall be deemed to be the Architects instructions given in writing and the Contractor shall confirm the same to the Architect within Seven (7) clear working days</p> <p>All persons entering the site or other working area on whatever business shall be instructed by the Contractor to record their visit in the site diary giving their name, address and reason for visiting the site.</p>	Item		
K	<p>LABOUR CAMPS</p> <p>The contractor shall not be allowed nor permitted to house labour on site and must make arrangements to transport them to and from site on a daily basis.</p>	Item		
	Total Carried Forward			

	Total Brought Forward			
L	PAYMENT AND HIRING OF DOMESTIC SUBCONTRACTORS All domestic Sub Contractors must be the ones who have been prequalified at the prequalification stage. Any change or additional Sub-Contractor must be approved in writing by the Project Manager prior to signing any contract with the Main Contractor. All domestic Sub-Contractors will be paid by the Main Contractor.	Item		
M	CONTRACT COMPLETION PERIOD The contract completion period in accordance with the Conditions of Contract must be strictly adhered to. The Architect shall strictly monitor the Contractor's progress in relation to the progress chart and should it be found necessary, the Architect shall inform the Contractor in writing that his actual performance on site is not satisfactory In all such cases , the Contractor shall accelerate his rate of performance, production and progress by all means such as additional labour, plant etc., and working overtime all at his cost.	Item		
N	OFFICES AND SHEDS The contractor shall set up to the approval of the Architect a temporary office accommodation and ample temporary watertight sheds in the premise for his own use and the use of Sub-contractors for the proper storage and protection of materials vulnerable to theft, weather and remove when ordered. Floor of sheds shall be at least 150mm above	Item		
P	PREVENTION OF ACCIDENT, DAMAGE OR LOSS 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. The Contractor is deemed to have taken this into account in his pricing including getting alternative yards off site to store materials, for concrete batching etc.	Item		
Q	TEMPORARY STRUCTURES The contractor shall allow for providing and clearing away on completion of the works such temporary hoarding, rubbish chutes, gates, planked walkways, guard rails etc. as may be necessary for the protection of the workers, the general public, and for the proper execution of the works. As such, temporary structures shall be constructed with the approval of the Architect and to his full satisfaction and in such a manner as to cause minimum incisivensness and disturbance to occupants of adjacent building, entry and exit to the existing building and users of the adjacent	Item		
	Total Carried Forward			

<p>Total Brought Forward</p> <p>All such temporary structures shall comply in all aspects with the national laws, rules, and regulations currently in force and applicable to such structures.</p> <p>All temporary structures shall be erected in a manner so that the unloading of materials causes minimum obstruction to the use of adjacent roads and other facilities</p> <p>All temporary structures shall be kept properly lighted throughout the periods of darkness and any corners or projections shall be painted</p> <p>Temporary structures shall not be used or permitted to be used for advertisement purposes except with the consent of the Architect</p> <p>All temporary structures shall be maintained at all times in good order and good condition to the satisfaction of the Architect</p> <p>All temporary structures shall be maintained at all times in good order and good condition to the satisfaction of the Architect</p> <p>All temporary structures shall be removed when so required by the Architect or at the end of the period for which it is required</p> <p>The Contractor shall indemnify and shall keep the employer indemnified against any expenses, loss, claim or suits arising out of or in connection with the temporary structures</p> <p>The Contractor shall pay all local authority or other charges payable in connection with temporary structures</p> <p>R TEMPORARY HOARDING AND CATCHMENTS SHUTTERING AROUND WORKING AREAS</p> <p>Temporary hoarding shall be provided all around the site. The tenderers amount for hoarding shall be deemed to be inclusive of all legally demandable fees for the temporary hoarding by the Local and Central Authorities. The layout and details of the hoarding has been attached and shall include the following:-</p> <p>1. The hoarding shall be overall 3000mm high constructed in new gauge 30 corrugated Iron sheets or equal and approved mounted on RHS framework and adequately supported by props, bearers and brackets at appropriate centres all to the entire satisfaction and approval of the Architect and Structural Engineers.(approximately 350L.M @.....kSHS...../M....)</p> <p>2. Vehicular and pedestrian gates shall be provided- as per Architectural drawings.</p> <p>3. The external surfaces of the hoarding will be primed and painted with undercoat and one finishing coat gloss oil plant.</p>		Item		
<p>Total Carried Forward</p>				

	<p>Total Brought Forward</p> <p>4. Advertisements on the hoarding will only be allowed with the express approval of the Architect.</p> <p>5. To protect against dust and projectiles arising from construction work, the entire building on heights above ground floor will be enveloped with shed net supported with props bearers and brackets at appropriate centres to approval of the project structural engineer</p> <p>The Contractor shall allow for thoroughly maintaining the hoarding, shed nets and gates throughout the contract and clearing away and making good disturbed ground on completion. All materials arising will remain the property of the Contractor and he should allow credit against this.</p>			
S	<p>WIRELESS INTERNET CONNECTIVITY</p> <p>The contractor shall provide internet (WIFI) on site throughout the duration of the contract for use by the project manager. He shall ensure the internet connection is in permanent working condition and pay all charges due for the duration of the Contract including extensions where applicable..</p>		Item	
T	<p>TEMPORARY DISPOSAL OF RAIN WATER</p> <p>The Contractor shall provide and maintain all necessary temporary gutters, downpipes, chutes, drains etc. for conveying rainwater from the buildings. This include temporary drainage to floods and ground water on</p> <p>The Contractor shall allow for temporary drainage plumbing and piping for keeping the premises and site free from accumulation of water.</p>		Item	
U	<p>DOWN TAKINGS</p> <p>All materials arising from demolitions and down takings are deemed to be the property of the employer. No claim will be entertained on account of employer excising this right to retain the materials</p> <p>The Contractor must obtain the approval of the Architect in respect to the usage of any materials found on site.</p> <p>All down takings shall be carefully removed, taken down, dismantled and stored on site until instructed by the Architect to remove from the site. Such materials shall only be incorporated in the new works if required by the Architect in which case appropriate adjustments will be made in the final account for the cost of labour, screws etc. for fixing such down takings in the new works.</p>		Item	
	<p>Total Carried Forward</p>			

	Total Brought Forward			
V	<p>SITE OFFICE AND CLERK OF WORKS ACCOMODATION</p> <p><i>The site office and Clerk of Works accomodation shall be constructed in accordance with NHC drawings No. 09a attached to the BQ. The above offices shall be completed and ready for use within ONE MONTH from the date of site possession failure to which a penalty of Kshs. 10,000/= per day will apply for non-compliance.</i></p> <p>The site offices shall be equipped with the following:</p> <p>1. Fully furnished site meeting room with hard and soft furniture for 15 Pax, all to approval of the Project Manager.</p> <p>2. Office desk and office seat for use by Clerk of Works complete with two waiting chairs.</p> <p>3. Connected with electricity and water to be paid for by the contractor during the construction and defects liability period.</p> <p>4. The contractor shall allow for provision of contracted cleaning services for keeping both the office and the closet in a clean and sanitary condition from commencement to completion of the works.</p> <p>5. The site office shall be retained by the Client on completion of the contract unless instructed otherwise by the Project Manager. Where not retained, the contractor shall be required to carefully dismantle and make good disturbed surfaces to the satisfaction of the Project Manager upon completion of the works.</p>	Item		
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W	<p>PRICING BILLS OF QUANTITIES</p> <p>The Contractor shall price out individually and in detail all items in these Bills of Quantities and under no circumstance will lump sums be allowed. All rates and figures entered in the Bills of Quantities must be done in ink and paginated. Any rates not done in this format will be treated as having not duly complied with the tender requirements</p>	Item		
	Total Carried Forward			

	Total Brought Forward			
X	PROJECT SUPERVISION EXPENSES	Item		
	The Contractor shall for the entire contract period be required to make provisions to the satisfaction of the Project Manager for the following items			
	1. Provide a brand new 14 inch Core i10 laptop with 16GB Ram;1TB SSD;8GB Dedicated Graphics Memory, with MS Office suite with license for both the software and anti virus for the entire contract period and any addendums thereto.	Item		
	2. Site measurement tools, consisting of tape maeasure and distometre	Item		
	3. Basic Site Camera as Canon or equal and approved; digital enabled.	Item		
	4. Monthly Airtime from a reliable service provider equivalent to KSh. 2,000 (The airtime should not be in monetary)	Item		
	5. Leased photocopying machine cum printer with A3 printing capability and internet enabled and to includer necessary printing consumables.	Item		
	7. 1NO. A4 Ream of printing paper replaceable monthly	Item		
	8. 1NO. A3 Ream of printing paper replaceable monthly	Item		
	9. Personal Protective Equipment (PPE) consisting of safety boots, helmet, reflective jacket, dustcoat and heavy duty hand gloves.	Item		
Y	MATERIALS ON SITE	Item		
	All materials for incorporation in the works must be stored on or adjacent to the site of the works before payment is effected by the Architect This is to include the materials of the Main Contractor, Sub - contractors and Nominated Suppliers. Materials off site for them to qualify in the interim payment certificates must be stored in an approved bonded warehouse adequately insured against theft and damage for the period of storage all to the approval of the Architect.			
	Total Carried Forward			

<p>Total Brought Forward</p> <p>AB TENDER DOCUMENTS</p> <p>The tender documents consist of the following:</p> <ul style="list-style-type: none"> a) Invitation to Tender a) Instruction to tenderers b) Tender Data Sheets c) Form of tender d) Evaluation and Qualification information e) Conditions of Contract f) Appendix to Conditions of Contract g) Tender security h) Preliminaries i) Specifications j) Bills of quantities <i>(where there is a discrepancy between the drawings and the Bills of Quantities, the provisions of the BQs shall take precedence over the drawings unless an approval to amend has been granted)</i> k) Drawings l) Forms of Securities m) Addendum where applicable 		Item		
<p>Total Carried Forward</p>				

	Total Brought Forward			
AC	CONTRACT DOCUMENTS	Item		
	<p>The Contract Documents for use in the carrying out of works shall be the following:</p> <p>Contract documents shall be held to mean the</p> <ul style="list-style-type: none"> a) Instruction to Tenderers, b) Form of Tender and Qualification information, c) Contract Agreement and General Conditions of Contract, d) Special conditions of contract, e) Specifications (TO BE PROVIDED SEPARATELY), f) Drawings, g) signed and priced Bills of Quantities, h) Form of securities, and i) any addenda 			
AD	FORM OF CONTRACT	Item		
	<p>The form of contract will be the one included in the Republic of Kenya Standard Tender Documents for Procurements of Works (2022 Edition), hereby attached and the Conditions of Contract are those attached thereto.</p> <p>If the contractor considers that compliance with any of the Conditions of Contract involves any expenses he will price them accordingly.</p> <p>No claim shall be allowed arising from the Contractors Compliance with any of the conditions of Contract.</p> <p>The Employer can cancel, amend or insert any other clause before the contract agreement is signed.</p>			
	Total Carried Forward			

	Total Brought Forward			
AE	CONTRACT CLAUSES The Contractor's attention is called to the following Clauses of the Conditions of Contract which shall be read as incorporated herein and he shall allow any sums which he considers necessary for the carrying out and observance of such conditions <u>Clause</u> 1.0 General Provisions 2.0 The Procuring Entity 3.0 The Engineer 4.0 The Contractor 5.0 Nominated Subcontractors 6.0 Staff and Labor 7.0 Plant, Materials and Workmanship 8.0 Commencement, Delays and Suspension 9.0 Tests on Completion 10.0 Procuring Entity's Taking Over 11.0 Defects Liability 12.0 Measurement and Evaluation 13.0 Variations and Adjustments 14.0 Contract Price and Payment 15.0 Termination by Procuring Entity 16.0 Suspension and Termination by Contractor 17.0 Risk and Responsibility 18.0 Insurance 19.0 Force Majeure 20.0 Settlement of Claims and Disputes			
AF	GENERAL BUILDING SPECIFICATIONS The contractor is referred to the General Specifications for Building Works on pages 2/1 to 2/34 and General Specifications for Building Works issued by ministry of public works, 1976 Edition, in the event of conflict, the ministry of public works, 1976 Edition must always prevail. However in the event of conflict with the general and particular preliminaries, trade preambles or other items in these Bills of Quantities, then the provisions of the general and particular preliminaries, trade preambles or other items in these Bills of Quantities shall take precedence.	Item		
AG	METHOD OF MEASUREMENTS The Contract Bills have been prepared in accordance with The Standard Method of Measurement of Building and Associated Civil Works for East Africa, Second Edition, 2008, published by the Architectural Association of Kenya, which is available for inspection at the offices of the Assistant Director Quantity Surveying by appointment.			
	Total Carried Forward			

	<p>Total Brought Forward</p> <p>AH PARTICULARS OF INSERTIONS TO BE MADE IN THE SPECIAL CONDITIONS OF CONTRACT (For Information only. Pricing shall not be inserted)</p> <p>The following are insertions to be made in the Special Conditions of Contract (Section IX)</p> <p>Name and Reference No. of the Contract (Heading and 1.1) - <i>Insert</i> - _____</p> <p>Engineers Name and address (Heading and 3.1.1) - <i>Insert</i> - _____</p> <p>Contractor's Representative's name (4.3.1) - <i>(insert the name of the Contractor's Representative agreed by the Procuring Entity prior to Contract signature)</i> - _____</p> <p>Key Personnel names (16.9.1) - <i>(insert the name of each Key Personnel agreed by the Procuring Entity prior to Contract signature)</i> - _____</p> <p>Time for Completion (1.1) _____ <i>days</i> <i>If Sections are to be used, refer to Table: Summary of Sections below</i></p> <p>Defects Notification Period (1.1) _____ <i>days</i></p> <p>Sections (1.1) <i>If Sections are to be used, refer to Table: Summary of Sections below</i></p> <p>Electronic transmission systems 1.3</p> <p>Time for the Parties entering into a Contract Agreement (1.6) - <i>Within 30days</i></p> <p>Commencement Date (8.1.1)</p> <p>Time for access to the Site (2.1.1) - <i>No later than the Commencement Date, and not later than _____ days after Commencement Date</i></p>			
	<p>Total Carried Forward</p>			

<p>Total Brought Forward</p> <p>Architect Duties and Authority (3.1.6 (b) (ii)) - Variations resulting in an increase of the Accepted Contract Amount in excess of _____% shall require approval of the Procuring Entity.</p> <p>Performance Security (4.2.1) - The performance security will be in the form of a _____ [insert either one of "demand guarantee" or "performance bond"] in the amount(s) of [insert related figure(s)] percent of the Accepted Contract Amount and in the same currency(ies) of the Accepted Contract Amount.</p> <p>Normal working hours (6.5) - Specify</p> <p>Delay damages for the Works</p> <p>(8.7 & 14.15 (b)) - 0.1% of the Contract Price per day. If Sections are to be used, refer to Table: Summary of Sections below</p> <p>Maximum amount of delay damages (8.7.1) _____% of the final Contract Price.</p> <p>Provisional Sums (13.6. (b) (ii)) [If there are Provisional Sums, insert a percentage for adjustment of Provisional Sums] _____ %</p> <p>Adjustments for Changes in Cost (13.9) - Period "n" applicable to the adjustment multiplier "Pn": _____ [Insert the period if different from one (1) month; if period "n" is one (1) month, insert "not applicable"]</p> <p>Total advance payment (14.2.1) - % Percentage of the Accepted Contract Amount payable in the currencies and proportions in which the Accepted Contract Amount is payable [Insert number and timing of installments if applicable]</p> <p>Repayment amortization rate of advance payment (14.2.5 (b)) _____ %</p> <p>Percentage of Retention (14.3.2 (c)) _____ %</p>			
<p>Total Carried Forward</p>			

<p>Total Brought Forward</p> <p>Limit of Retention Money (14.3.2 (c)) _____ % of the Accepted Contract Amount</p> <p>Plant and Materials (14.5.3 (b) (i)) - <i>If Sub-Clause 14.5 applies: Plant and Materials for payment Free on Board</i> _____ [list].</p> <p>(14.5.3 (c) (i)) - <i>Plant and Materials for payment when delivered to the Site</i> _____ [list].</p> <p>Minimum Amount of Interim Payment Certificates (14.6.2) - _____ % of the Accepted Contract Amount.</p> <p>Publishing source of commercial interest rates for financial charges in case of delayed payment (14.8) - <i>Specify</i> _____ % rate per month of delayed payment.</p> <p>Maximum total liability of the Contractor to the Procuring Entity (17.6.2) - <i>[Select one of the two options below as appropriate]</i> <i>The product of</i> _____ <i>[insert a multiplier less or greater than one]</i> <i>times the Accepted Contract Amount, or</i> _____ <i>[insert amount of the maximum total liability]</i></p> <p>Periods for submission of insurance: a. evidence of insurance. b. relevant policies (18.1.6) - <i>[Insert period for submission of evidence of insurance and policy. Period may be from 14 days to 30days.]</i> (a) Evidence of insurance - _____ days (b) Relevant policies - _____ days</p> <p>Maximum amount of deductibles for insurance of the Procuring Entity's risks (18.2.4 (d)) - <i>[Insert maximum amount of deductibles]</i></p> <p>Minimum amount of third-party insurance (18.3.2) - <i>[Insert maximum amount of third party insurance]</i></p> <p>The place of arbitration (20.7.2) - <i>Nairobi, Kenya</i></p> <p>AJ APPENDICES</p> <p>The Appendices to the Bills of Quantities shall be regarded for contract purposes as part of the Bill and shall be read and construed with the appropriate sections of the Bills if contained therein</p>				
Total Carried Forward				
Total Brought Forward				

BILL NO.1

PARTICULAR PRELIMINARIES

Carried Forward to Elemental Summary of Section 1

<p>BILL NO. 2</p> <p>GENERAL PRELIMINARIES</p> <p>A SUFFICIENCY OF TENDER</p> <p>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> <p>B STAMP DUTY CHARGES</p> <p>The Contractor shall allow for the payment of all stamp duty charges in connection with the Performance Bond and Contract Agreement.</p> <p>C DEFINITIONS AND ABBREVIATIONS</p> <p>Abbreviations used in the Bills of Quantities shall be interpreted as follows:-</p> <p>"Approved" shall mean: approved by the Project Manager</p> <p>"as described" shall mean: as described in the Specifications</p> <p>"as directed" shall mean: as directed by the Architect</p> <p>"B.S." shall mean: the British Standards Institution, 2 Park Street, London, W.1, England</p> <p>KBS shall mean: The Kenya Bureau of Standards Specification</p> <p>"No" shall mean: Number</p> <p>"LM" shall mean: Linear Metres</p> <p>"SM" shall mean: Square Metres</p> <p>"CM" shall mean: Cubic Metres</p> <p>"KG." shall mean Kilogramme</p> <p>"NO." shall mean Number</p> <p>PRS.' shall mean Pairs</p>	<p>Item</p> <p>Item</p>			
Total Carried Forward				

Total Brought Forward

"Ditto" shall mean:

the whole of the preceding description except as qualified in the section in which it occurs in brackets it shall mean the whole of the preceding description which is contained within the appropriate brackets.

M/S shall mean: Measured separately

"B.M.S" shall mean: Both sides measured separately

'As described'(a.d.) or 'as before described'(a.b.d.) shall mean as described in the Specification or as described previously in a foregoing item or Bill.

'Selected, directed, approved', etc.
Wherever the words, 'selected' or 'as directed', 'as required', or words of similar meanings are used in the Bills of Quantities, it is to be understood that the selections, directions or requirements of the Architect are intended. Similarly, the words, 'approved', 'satisfactory' to the Architect and the Architect's materials are ordered or the works to which the words refer are put in hand.

'Necessary, proper', etc.

Wherever the words 'necessary, proper' or words of similar meanings are used in these Bills of Quantities with respect to the extent, conduct, character or work described, it is to be understood that they shall mean that the said work shall be executed to the extent, must be conducted in a manner or be of a character which is 'necessary' or 'proper' in the opinion of the Architect.

'Singular and Plural'

Words importing the singular only wherever used hereinafter and in all Contract Documents shall also include the plural and vice versa where the context required.

Item

Total Carried Forward

	Total Brought Forward			
F	<p>SETTING OUT</p> <p>The contractor shall set out works in accordance with the dimensions and levels shown on the drawings and shall be responsible of the correctness of all dimensions and levels set out by him and he will be required to amend all errors arising from inaccurate setting out at his own cost and expenses. In the event of any error or discrepancy in the dimensions or levels marked on the drawings being discovered, such errors or discrepancies must be reported by the contractor to the architect for his immediate attention.</p> <p>No work shall be commenced by the contractor until he has received written instructions from the Architect to adjust such discrepancies which may be proved, upon receipt of such instructions and no claim for extra expenses or relief from the provisions of the Conditions of the Contract , any discrepancy or error in the dimensions or levels shown on the drawings may be made thereafter.</p> <p>Before any work is commenced by Sub-Contractors or specialist firms, dimensions must be checked on the site and/or building and agreed with the Contractor irrespective of the comparable dimensions shown on the drawings. The Contractor shall be responsible for the accuracy of such dimensions.</p>	Item		
G	<p>SAMPLES</p> <p>The contractor shall furnish at the earliest possible opportunity before work commences and at his own cost any samples of materials or workmanship that may be called for by the Architect for his approval or such samples are approved to be the minimum standard for the work to which they apply.</p> <p>The Contractor shall ensure their protection against theft, loss or damage.</p>	Item		
H	<p>EXISTING PROPERTY AND ADJACENT PROPERTY</p> <p>The contractor shall take every precaution to avoid damage to all existing and adjacent property including buildings, roads, cables, drains and other services and he will be held responsible for all damages hereto arising from the execution of his contract and he shall make good all such damages when directed at his own expense to the satisfaction of the Architect.</p>	Item		
	Total Carried Forward			

<p>Total Brought Forward</p> <p>J</p>	<p>EXISTING SERVICES</p> <p>Prior to commencement of any work the contractor is to ascertain from the relevant Authorities the exact position, depth and level of all existing electric cables, water pipes and all other services in the area and he shall make whatever provisions may be required by the authorities concerned for the support and protection of such services. Any damage or disturbances caused to any service shall be reported immediately to the Architect and the relevant Authority and shall be made good to their satisfaction at the contractor's expense.</p> <p>Through temporary interference with existing sewer or any drains, whether for the purpose of diverting, lifting, laying or making connections, the Contractor shall at his own expense provide timber troughs, pipes or other channels and if required, pumping appliances for maintaining the flow through the respective diversions.</p> <p>Where removal or disconnection of such service lines is required to be carried out under the Contract, the operations must be carried out in co-ordination with the relevant Local Service Authority so as to minimize any disruption of services to the surrounding buildings and to enable them not make any precautions necessary and to make any alternative arrangement for the temporary provision of the services affected.</p> <p>The Contractor will further be required to provide at his own cost any temporary service lines or connections for the duration of disruption caused by such disconnections or removal.</p> <p>The Contractor shall be held responsible for and shall indemnify the Employer against all losses and expenses incurred as a result of such damage and disruption of services.</p>	<p>Item</p>		
<p>K</p>	<p>MATERIALS, TOOLS, PLANT AND SCAFFOLDINGS</p> <p>All materials and workmanship used in the execution of the works shall be of the best quality and description. Any materials for the works condemned by the Architect shall immediately be removed from the site at the Contractor's expense.</p> <p>All materials and workmanship shall unless otherwise specified or described conform to the appropriate British Standards Institution specification current at the date of tender</p> <p>The works throughout shall be executed by skilled workmen well versed in their respective trades.</p> <p>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 on site when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p>	<p>Item</p>		
<p>Total Carried Forward</p>				

	<p>Total Brought Forward</p> <p>The contractor shall be responsible for the provision of all materials, hoists, Tower cranes, tackle, plant, vehicles, tools and appliances scaffolding, transport and workmen required for the works except in so far as may be stated otherwise herein and he shall allow for the provision</p> <p>No timber used for scaffolding, formwork or similar purpose shall be used afterwards in the permanent works.</p> <p>The Contractor shall allow for all costs related to hoisting his or his Sub-Contractor's materials for fixing at any level within the limits shown on the drawings or included in the general description of the works.</p> <p>All such plant, tools and scaffolding shall comply with all regulations whether general or local in force throughout the period of the contract and shall be required as may be necessary to comply with any amendments in or additions to such regulations</p> <p>L SIGN FOR MATERIALS SUPPLIED</p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the Architect 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 Architect 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 Architect.</p> <p>M GOVERNMENT ACTS REGARDING WORK ,PEOPLE ETC.</p> <p>The contractor is to comply with all local regulations and by-laws of the Local Authority including serving notices and paying of fees.</p> <p>In addition to complying with the Occupational Safety and Health Act, 2007 (Cap 514), the contractor shall comply in all aspects with the above mentioned rules. The contractor will be held responsible for serving on the Director of Occupational Safety and Health Services a written notice not later than seven days after the beginning of the building operations included in this contract stating the particulars</p> <p>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 organisation 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>Total Carried Forward</p>			

	Total Brought Forward			
N	<p>GOVERNMENT ACTS AND REGULATIONS, STATUTORY LEVIES</p> <p>The contractor is to comply with all government acts and regulations including serving notices and paying of fees. The tender price must include for all costs arising or resulting from compliance with any Act, Order or Regulation such as and not limited to Standard Levy, Capacity Building Levy under Public Procurement and Disposal Act, Environmental Impact Assessment Levy, National Construction Levy among others and all costs arising or resulting from any Law requiring payment by the Contractor of any Statutory Levy or Levies currently in</p> <p>The Contractor shall be required to indemnify the Employer for any claims arising out of non- compliance with the above requirements.</p>	Item		
P	<p>NATIONAL ENVIRONMENTAL MANAGEMENT AUTHORITY (NEMA) REQUIREMENTS</p> <p>The Contractor shall be responsible for complying with all National Environmental Management Authority (NEMA) requirements including Environmental Impact Assessment. The contractor shall allow for obtaining all requisite licenses, approvals, making all statutory payments and levies required by the National Environment Management Authority (NEMA) for the works. No claim of extension of time shall be allowed as a result of compliance to NEMA requirements.</p> <p>The tenderer MUST price for this item failure to which it shall be assumed that the tenderer has covered all costs associated with this item elsewhere in the Bills of quantities and shall be required to comply and construed to be offering the service for free. The EIA process shall commence not later than one month after contract signing.</p> <p>The Contractor therefore indemnifies the Employer for any claims arising out of non- compliance with the above requirements.</p>	Item		
Q	<p>NATIONAL CONSTRUCTION AUTHORITY (NCA) REQUIREMENTS</p> <p>The Contractor shall ensure compliance with all other National Construction Authority Act and Regulations including project registration and payment of levies on behalf of the Client. No claim of extension of time shall be allowed as a result of compliance to NCA requirements.</p> <p>The tenderer MUST price for this item failure to which it shall be assumed that the tenderer has covered all costs associated with this item elsewhere in the Bills of quantities and shall be required to comply and construed to be offering the service for free. The Licensing process shall commence not later than one month after contract signing.</p> <p>The Contractor therefore indemnifies the Employer for any claims arising out of non- compliance with the above requirements.</p>	Item		
	Total Carried Forward			

	Total Brought Forward			
Q	<p>SUPERVISION, WORKING HOURS</p> <p>The said works shall be executed under the direction and to the entire satisfaction of the Architect and clerk of works who shall have the Architect's specifically delegated authority and shall at all times have access to the works, to the yards and workshops of the contractor or other places where goods are being prepared for the works.</p> <p>No work shall be so covered up nor shall any concreting be carried out in the absence of the Clerk of Works without the prior approval of the Architect in writing.</p> <p>The working hours shall be as stipulated in the labour laws of Kenya.</p> <p>The Contractor shall be deemed to have allowed for necessary overtime payments for work people who may be called to work on Public and gazetted holidays or the like.</p> <p>The Architect may however require that noisy operations be carried out at certain times to minimize inconvenience to neighbours.</p> <p>The Contractor shall allow for any statutory approvals or license required to carry out the works at night, weekends and Public holidays.</p>	Item		
R	<p>FAIR WAGES</p> <p>The contractor shall pay rates of wages and observe hours and conditions of labour not less favourable than the minimum conditions of employment applicable in the district in which the work is carried out. The relevant notice must be posted up and kept posted upon the site where it can be conveniently read by the employees concerned in languages they can understand.</p> <p>The contractor is to comply with the Regulations of Wages and Conditions of Employment Act, Building and Construction Industry Wages Council (KABCEC 2007) and is to be responsible for compliance of the sub-contractors employed in the execution of the contract. If required, he is to notify the Project Manager of the names and addresses of all such sub-contractors. Any Contractor or Subcontractors not complying will not be permitted to tender for other work for such a period as the Project Manager may determine</p> <p>Should a claim be made to the Architect alleging the Contractor's default in payment of Fair Wages to any workman employed on the contract and if proof thereof satisfactory to the Architect, may failing payment by the contractor, pay the claim out of any monies due or which may become due to the contractor under this contract.</p> <p>The Contractor is to furnish to the Architect, if called upon to do so, such particulars of the rates of wages, hours and conditions of labour referred to above as the Architect may direct</p>	Item		
	Total Carried Forward			

	Total Brought Forward			
R	<p>SECURITY OF WORKS AND FENCING</p> <p>The contractor shall be entirely responsible and shall pay security of all works, stores, materials, plant, personnel etc. both his own and sub-contractors and shall also provide all necessary watching, lighting, and other precautions as necessary to ensure the security, the safety and protection of the public.</p> <p>IN PARTICULAR, THE CONTRACTOR'S ATTENTION IS DRAWN TO THE FACT THAT OPERATIONS IN THE EXISTING BUILDING/PREMISE SHALL NOT BE INTERFERED WITH, FURTHERMORE CONSTRUCTION PROCESS SHALL NOT EXPOSE THE PREMISE TO ANY THREAT OF ILLEGAL ENTRY OR EXIT, AND THE CONTRACTOR MUST FAMILIARISE HIMSELF OR HERSELF WITH THE SECURITY REQUIREMENTS. WHERE NECESSARY HE SHALL WORK IN STAGES UPON APPROVAL BY THE ARCHITECT.</p> <p>The contractor must allow the cost and time implication associated with the consequences of adherence to the above and no claim can be made thereafter</p> <p>The Contractor must include in his tender for all necessary expenditure incurred in complying with the security regulations of the Pension Fund especially in relation to entry and exit from the site of the works and movement within the site.</p> <p>The Contractor shall be responsible for ensuring that all matters including drawings, letters and documentation relating to the project are dealt with confidentially.</p>	Item		
S	<p>PUBLIC, PRIVATE ROADS AND PAVEMENTS ETC</p> <p>The contractor will be required to make good at his own expense any damages he may cause to the present approach road surfaces, pavements, paths, storm water channels, fences etc. during the period of the works to the satisfaction of the Local and other competent Authority and the Architect.</p>	Item		
	Total Carried Forward			

	Total Brought Forward			
S	<p>POLICE REGULATIONS AND TRAFFIC ARRANGEMENTS</p> <p>The contractor is to allow for complying with all Government Acts, orders or regulations in connection with employment of labour and other matters related to the execution of the works.</p> <p>The contractor must acquaint himself duly with current acts and regulations, including police regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc..</p> <p>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 organisation of the works, supply and control of labour, etc. and allow accordingly in his tender</p> <p>The Contractor will be required to agree the access route to the site with the Employer and relevant statutory authorities before commencement of the Contract Works and must adhere to this route throughout the course of the Contract, unless agreed otherwise.</p> <p>The Contractor will also be required to observe certain traffic rules and regulations pertaining to the use by his vehicles of the roads adjacent to the site. These rules and regulations should be investigated by him at the commencement of the Contract.</p>	Item		
T	<p>PERFORMANCE BOND/ PERFORMANCE SECURITY</p> <p>The Contractor shall find and submit on the Form of Surety the name of one surety who shall be an approved financial institution and who will be willing to be bound to the Judiciary of Kenya in an amount equal to Ten per cent (10%) of the Contract amount for the due performances of the Contract up to the date of completion as certified by the Project Manager and who will when and if called upon sign a Bond to that effect without the addition of any limitations. The expiry date of the security should be one month beyond the date of completion of contract.</p> <p>Where the security for the works is a Performance Bond, the expiry date shall be 12 Months for the Date of issuance of Completion Certificate.</p>	Item		
	Total Carried Forward			

	<p>Total Brought Forward</p>			
<p>U</p>	<p>INSURANCE FOR THE WORKS</p> <p>The Contractor shall insure as required in Conditions No. 18 of the Conditions of Contract and as per Section IV the Appendix to 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 and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects.</p> <p>Thereafter the Project Manager shall from time to time ascertain premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the Architect inspection.</p> <p>Some of the insurances required include but not limited to:</p> <ol style="list-style-type: none"> 1. Insurance for the Works 2. Insurance for Third Party 3. Insurance for Contractor's employees and workmen 4. Insurance against loss or damage of Plant, Machinery and Equipment 5. Provide full insurance for adjacent property. <p>Refer to the Appendix</p> <p>Provide insurance for personal injury or death insurance. The Contractor shall further indemnify the Employer against all claims arising out of the execution of the Contract Works.</p>	<p>Item</p>		
<p>U</p>	<p>AREA TO BE OCCUPIED BY CONTRACTOR</p> <p>The area of the site which may be occupied by the contractor for use as storage and for the purpose of erecting workshops etc. shall be defined on the site by the Architect and the Contractor must confine his activities to the areas so marked and must ensure that his own and his subcontractors workmen do not trespass on the adjoining property.</p> <p>CONTRACTORS MUST THEREFORE TAKE THE SAME INTO CONSIDERATION IN SO FAR AS SECTIONING OF SOME AREAS, TIME AND COST IMPLICATIONS. NO CLAIM SHALL BE MADE IN COMPLIANCE OF THIS REQUIREMENT AND CONTRACTORS MUST ALLOW THE COST IMPLICATION ARISING THEREFROM OR OTHERWISE IT SHALL BE DEEMED TO BE INCLUDED IN THE RATES</p>	<p>Item</p>		
	<p>Total Carried Forward</p>			

	<p>Total Brought Forward</p> <p>V PROGRESS SCHEDULE</p> <p>The Contractor shall furnish to the Architect within 14 days of the possession of site a Time progress Chart for approval and display in the site offices showing the time and order in which he proposes to carry out the works within the total construction time stated in the contract. The chart will show in detail the construction time and order in which each section of the work is to be carried out and be sub-divided into trades and tasks. If the contractor proposes sectional completion of the project he must plan this in detail including access roads, and services and this shall be reflected on the chart</p> <p>At the end of each week the contractor is to mark on the chart in a different colour the actual time taken to complete the respective stages and sections of the work. The contractor shall obtain the Architect's approval on the chart and then shall supply copies to the Architect and Quantity Surveyor</p> <p>If at any time it should appear to the Architect that the actual progress of the works does not conform to the approved programme progress schedule the contractor shall produce at the request of the Architect a revised programme showing the modifications and accelerations to the approved programme necessary to ensure completion of the works within the agreed contract period including a cash flow projection for the revised program.</p> <p>The submission of and approval by the Architect of such revisions and accelerations shall not entitle the Contractor to any extra payment or extension of time and shall not relieve the contractor of any duties or obligations or responsibilities under the contract</p>		Item		
<p>W OVERTIME</p>	<p>The contractor shall be responsible for any extra costs for overtime working he considers will be necessary in order to complete the works within the contract period or the time for completion apart from overtime working which may be authorized by the Architect</p>		Item		
	<p>Total Carried Forward</p>				

	Total Brought Forward			
X	<p>MATERIAL TEST</p> <p>Allow for testing all installations required to be tested and provide everything necessary for this purpose and leave in perfect working order to the satisfaction of the Architect and Local Authority.</p> <p>Allow for all expenses in connection with testing of materials as specified hereunder including the supply and preparation of materials and their packing and conveyance to an approved Materials Testing Laboratory, Laboratory charges, etc. The following tests will be measured according to the number of tests actually called for by the Architect and carried out but unsuccessful tests will not be included in the measurement.</p>	Item		
Y	<p>TYPE OF MATERIAL TESTS</p> <p>Water Test (1 Litre)40No @.....</p> <p>Sand Test (0.1 Cubic Metre)40No @.....</p> <p>Aggregate Test (0.1 Cubic Metre).... 40No @.....</p> <p>Reinforcement Test (1 Linear Metre bar of various diameter from 6mm to 32mm)80No @.....</p> <p>Concrete Test (Each test comprising nine standard cubes).....200No @.....</p> <p>TEMPORARY WORKS</p>			
Z	<p>ACCESS TO SITE AND TEMPORARY ROADS</p> <p>Means of access to the site shall be agreed with the Architect prior to commencement of the works and the Contractor must allow for building and maintaining any temporary access roads for the transport of 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.</p> <p>The Contractor must also allow for keeping the existing Public Highways and Roads clean and for making good all damage to the satisfaction of the Architect and relevant Authorities.</p> <p>Upon the completion the works the Contractor shall remove such temporary roads, temporary culverts bridges etc. and make good and reinstate all works and services disturbed to the satisfaction of the Architect.</p>	Item		
AA	<p>TEMPORARY BUILDINGS</p> <p>The contractor shall provide sheds for storage accommodation for all goods and materials liable to suffer damage from exposure to sunlight or inclement weather.</p> <p>The contractor shall provide offices, mess rooms and all the buildings required by the contractor for his own use and the use of Sub-Contractors.</p> <p>Upon completion all temporary buildings are to be removed and cleared away</p>	Item		
	Total Carried Forward			

	Total Brought Forward			
AB	<p>SANITATION OF THE WORKS</p> <p>The sanitation of the works shall be provided, maintained and removed on completion by the Contractor to the satisfaction of the Architects, health department and local Authorities.</p> <p>The sanitation shall be for the use by Contractors and sub- Contractors workmen etc. without charge.</p> <p>The Latrine/toilet shall be enclosed plastered and painted masonry wall, corrugated sheets roofs, with concrete tiled floors to facilitate washing. Their location shall be agreed with the Architects and the works shall not be commenced before the sanitary accommodation has been approved by the above mentioned authorities.</p> <p>The Contractor will be required to pay all conservancy charges and shall ensure clean daily maintenance and disinfecting of the latrines/toilet, 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>	Item		
AC	<p>SAFETY, HEALTH AND WELFARE OF WORKERS</p> <p>The Contractor shall allow for providing for the safety, health and welfare of work people and for complying with any relevant Ordinances, Regulations or Union Agreement</p> <p>In addition to complying with the requirements of the Occupational Safety & Health Act 2007 and the Factories Act, the Contractor and Sub-Contractors shall be required to comply in all respects with the Factories (Building Operations and Work of Engineering Construction) rules together with the Construction Safety Plan in compliance with International Labour Organizations (ILO) Regulations.</p> <p>The Contractor will further be required to identify a Site Safety Officer in accordance with the above Rules who will be responsible for the health and safety of workers on the site.</p> <p>The Contractor will also be required to provide approved good quality hard hats, gumboots and other necessary protective gear for all workers on site including Sub-Contractors workers and also for the exclusive use by the Clerk of Works and representatives of the Employer and Consultants.</p> <p><i>The Tenderers attention is drawn to the fact that the Employer reserves the right to hold back the amount priced against this Clause either in full or in part due to any non-performance on the Contractors part of his obligations under this Clause.</i></p>	Item		
	Total Carried Forward			

	<p>Total Brought Forward</p> <p>The tenderers attention is further drawn to the fact that he is required to submit with his tender a detailed write-up on how he intends to implement the above Construction Safety Plan. It should be noted that this write-up will form a heavily weighted criteria in the evaluation of</p> <p>Adequate temporary Notices and Signs shall be posted to indicate e.g. that building operations are in progress and entry is at one's own risk or trespassers are liable to be prosecuted or such other Notices and Signs as the Architect may consider necessary from time to time. The design and location of such signs will be to the approval of the Architect.</p>			
AD	<p>PAYMENT FOR NATIONAL INSURANCE (N.H.I.F) AND PENSION (N.S.S.F) FOR WORKERS</p> <p>The Contractor shall allow for making any National Hospital Insurance Fund, National Social Security Fund payment due in respect of Workers engaged by him.</p>	Item		
AE	<p>SIGN BOARD</p> <p>The Contractor shall provide and erect where directed and maintain during the whole period of the building operation and remove at completion one approved temporary notice board to the Architect's standard design giving a brief description of the works and showing the names of the employer, Contractor and the consultants, with sufficient space to append the names of the sub-contractors and suppliers when known. The lettering concerning the Architect, Quantity Surveyor and Engineer is not to be more than 50mm high. As per drawing No.....</p> <p>No other signboards or advertising will be permitted without the written authority of the Employer and Architect. The Contractor will be required to strictly adhere to this rule throughout the course of the Contract.</p>	Item		
AF	<p>PROTECTION OF THE WORK</p> <p>The Contractor shall cover up and protect from damage, including damage from inclement rainy weather, all finished work contained in these Bills of Quantities, and unfixed materials including that of Sub-Contractors liable to damage including provision of casing up, temporary roof, gutters, drains etc. until the completion of the works and removal of the same when no longer required and make good any damage which may nevertheless have been done at completion free of charge to the Employer.</p> <p>In the event of any damages occurring to the works, materials, sewers, drains, gullies, paths or other works on site in temporary possession of the contractor for the purpose of this contract either from weather, want of proper protection, defects, or insufficiency of the works or any other causes or whatsoever during the progress of the works, the contractor shall be responsible and without extra charge, make good all damage and pay all costs which may be levied.</p>	Item		
	Total Carried Forward			
	<p>Total Brought Forward</p>			
AG	<p>PREVENTION OF DISTURBANCE AND NUISANCE</p> <p>Tenderers should note that normal activities shall be continuing in the surrounding buildings during the construction period.</p> <p>Minimum disturbance by noise, dust, water or movement of vehicles, materials, labour or plant must be caused to the function of the existing adjacent buildings in the vicinity and the occupants and staff therein. The Contractor shall comply with all instructions issued by the Employer or Architect with regard to minimizing such disturbances including implementing the Environmental management plan proposed in the environmental Impact Assessment Report for the Project.</p> <p>The Contractor shall not directly or indirectly or otherwise by himself or through his agents' cause nuisance. Should he do so he shall be directly responsible for such acts.</p> <p>The works and such sections of the site necessary shall be under the entire care and control of the contractor during the whole period of the contract and shall take all possible precautions to prevent any nuisance, inconvenience or injury to the holder or occupiers of the existing or surrounding properties and to the public generally, and shall at all times keep all paths and roads affected by the works in a safe and clear state, and shall use proper precautions to ensure the safety of all wheeled traffic and pedestrians.</p>	Item		
AH	<p>CLEANING, REMOVAL OF PLANT AND RUBBISH ETC</p> <p>The Contractor shall upon completion of the works remove and clear away all temporary buildings, scaffolding, plant, rubbish and unused materials, surplus excavated materials and shall leave the whole of the site of the works in a clean and tidy state to the satisfaction of the Architect, including clearing away and making good all traces of dirt.</p> <p>Particular care shall be taken in leaving windows, floors and fittings clean and the removal of all paint and cement stains therefrom.</p> <p>He shall also remove all rubbish and dirt from the site as it accumulates or as directed by the Architect. The Contractor is to find his own dump and shall pay all charges in connection therewith.</p>	Item		
AJ	<p>MATERIALS ARISING FROM EXCAVATIONS</p> <p>Unless the Architect 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 Architect. 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>	Item		
	Total Carried Forward			

	Total Brought Forward			
AK	WORKS TO BE DELIVERED UP CLEAN 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 the buildings watertight, clean, perfect and fit for occupation to the approval of the Architect.	Item		
AL	TRAINING LEVY The Contractor's attention is drawn to legal notice No. 237 of October 1971 which requires payment by the Contractor for a training levy on all contracts. The Contractor is required to familiarize himself with this law and allow in the preliminaries for all costs arising or resulting	Item		
AM	BLASTING OPERATIONS Blasting operations will NOT be allowed. All rock to be carefully removed.			
AN	PRIME COST SUMS 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 Architect to execute work or to provide and fix materials or goods as stated in Condition No. 20 of the Conditions of Contract are described herein as Nominated Sub-Contractors. Persons or Firms so nominated to supply goods or materials are described herein as Nominated Suppliers. The words "Prime Cost" (or the initials "P.C.") appearing in the contract documents shall mean net costs exclusive of any trade, cash or other discount whatsoever but inclusive of the costs of the packing, carriage and delivery. Such costs shall be the same due to the sub-contract or supplier after adjustments where applicable in respect of measurements of rates. Any increase or decrease in the prime costs sums resulting from the adjustments and properly paid by the contractor shall be added or deducted from the contract sum in the final account. In substantiation the contractor will require to produce to the Quantity Surveyor all quotations, invoices and receipted accounts as shall be necessary to show the details of the sums actually paid. Any sum added by the contractor in these Bills of Quantities in respect of profits upon any prime costs will be deducted at the final settlement of accounts and the sum will be added to the amount of which will bear the same proportion to the sum added as the net amount properly expended to the original P.C. sum. 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.	Item		
	Total Carried Forward			
AP	PROVISIONAL SUMS 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. In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the Architects order added to the Contract Sum. Such work shall be valued as described for Variations in Conditions No. 21 of the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-Contractor, 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.			
AQ	APPROVED SUB-CONTRACTORS AND SPECIALISTS Where in these Bills of Quantities work is described to be executed by an approved Sub-Contractor, the firm appointed will be treated as Sub Contractors employed by the Contractor and not as nominated Sub Contractor. The unit prices for such work must therefore include not only the Sub Contractor's charges but also the Contractor's overheads, profits and attendance. Firms not prequalified shall be approved by the Architect in writing before being employed to undertake any portion of the work	Item		
	Total Carried Forward			

	Total Brought Forward			
AR	<p>NOMINATED SUB-CONTRACTORS AND SUPPLIERS</p> <p>When any work is ordered by the Project Manager to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in Condition No. 6 of the Conditions of Contract and shall thereafter be responsible for such sub-contractors in every respect.</p> <p>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> <p>The contractor shall accept responsibility for providing the following services for nominated sub-contractors (if any).</p> <p>GENERAL ATTENDANCE: The following services are described as "allow for general attendance"</p> <p>Use for the purpose of the sub-contract works of any scaffolding belonging to or provided by the contractor while it remains so erected upon site, provided that no warranty or other liability on the part of the contractor or of his other sub-contractors shall be created or implied in regard to the fitness, condition or suitability of the said scaffolding</p> <p>Provision of water, lighting, watching and attendance for the purpose of the sub-contract works.</p> <p>Use of sanitary accommodation, mess rooms and welfare facilities.</p> <p>Provision of space for erecting of offices or stores or space for storage of plant and materials.</p> <p>The Contractor will be deemed to have allowed for the provision of space for storage of Nominated Sub-Contractors' materials and for the provision of storage facilities on or off site for Nominated Suppliers' materials until required.</p>			
AS	<p>SPECIAL ATTENDANCE:</p> <p>The following services are stated under a separate item and where described under the following headings shall mean:</p> <p>Taking delivery including the provision of unskilled labour necessary to attend upon the sub-contractors workmen for the purpose of unloading plants and materials when received upon the site and placing in position within the sub-contractor's storage space or store.</p> <p>Hoisting including the provision of unskilled labour and the use of any contractors standing scaffolding and plant for the purpose of assisting the sub-contractors workmen in hoisting the sub-contractors plant and materials to the various levels but not placing in its final position.</p> <p>Providing power including the provision of power during the course of the works and during the period of commissioning and training.</p>	Item		
	Total Carried Forward			
AT	<p>Total Brought Forward</p> <p>DIRECT CONTRACTS</p> <p>Notwithstanding the foregoing conditions, the Employer 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 and attendances for the P.C. Sums will be allowed.</p>			
AU	<p>ATTENDANCE UPON OTHER TRADESMEN, ETC</p> <p>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 Architect and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	Item		
AV	<p>VALUE ADDED TAX (V.A.T.) AND OTHER TAXES</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 and any amendments therefrom. The contractor is required to acquaint himself with such notices and for the purposes of their costs, such taxes shall be deemed to be included in the rates and prices which make the final tender. No separate claim will be allowed for this.</p> <p>Please note that allowing a lump sum tax either in preliminaries or in summary page shall not be acceptable.</p> <p>The Contractor is advised that in accordance with government public notice No. 35 & 36 dated 11th September 2003 operational from 1st October 2003, withholding tax will be deducted against the contract sum at the prevailing rate by the employer and remitted directly to commissioner of VAT through all interim certificates. It should however be noted that this is not additional tax but a new mode of payment for income any excess payment will be refundable once the contractor has submitted monthly returns to the commissioner of VAT, who will do refunds once he is satisfied that the VAT regulations have been complied with.</p> <p>Any additional information and assistance concerning the application of the said notice should be directed to the office of the Commissioner of Value Added Tax</p>			
	Total Carried Forward			

	<p>Total Brought Forward</p> <p>AW DEVELOPMENT APPROVALS</p> <p>The Contractor shall allow for all necessary county government permits and development approvals with regard to these works ON BEHALF OF THE EMPLOYER. No claim for failure to comply with county</p> <p><i>The tenderer MUST price for this item and should no price be inserted against it, it shall be assumed that the tenderer will provide for this service free of charge and shall nevertheless be required to comply.</i></p> <p>AX ADDITIONAL ITEMS</p> <p>Any additional item (s) which the Tenderer may wish to price separately and which he considers has NOT been included in the foregoing Conditions, Specification and/or Bills of Quantities.</p> <p>Description </p>	Item			
	Total Carried Forward				
	<p>Total Brought Forward</p> <p><u>BILL NO. 2</u></p> <p><u>GENERAL PRELIMINARIES</u></p>				
	Carried Forward to Elemental Summary of Section 1				

PRELIMINARIES

ELEMENTAL SUMMARY OF SECTION 1

1 PARTICULAR PRELIMINARIES

2 GENERAL PRELIMINARIES

TOTAL FOR PRELIMINARIES CARRIED TO GRAND
SUMMARY

MAIN COURT BUILDING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO. 1- SUBSTRUCTURES</u>				
	(All measured Provisional)				
	Excavation and earthwork				
	<u>Excavations including trimming sides and bottoms of excavations; maintaining and supporting sides; and keeping free from water, mud and fallen material; with and including destruction of termites nests within site of works, take out and destroy queens, impregnate holes and tunnels with insecticide and fill voids with approved material</u>				
A	Excavate to remove top vegetable soil, 300mm thick (average); load and wheel and deposit on site as directed	SM	572.00		
B	Excavate for foundation trenches; commencing from stripped level; not exceeding 1.50m deep	CM	289.00		
C	Extra over all excavations for excavating in rock, irrespective of class	CM	52		
	<u>Planking and strutting</u>				
D	Allow for maintaining and supporting sides of excavation and for keeping the same free from fallen materials	ITEM	1		
	<u>Disposal of water</u>				
E	Allow for keeping the whole excavation free from all water - including spring or running water and mud by pumping bailing or other approved means	ITEM	1.00		
	<u>Disposal</u>				
F	Loading and cart away surplus excavate material from site to contractors approved County Government approved dump site	CM	116.00		
G	Return, fill in and ram selected excavated material ;well watered and compacting in layers maximum 150mm thick	CM	173.00		
	To Collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	excavations and earthworks continued.....				
	<u>Fillings</u>				
A	300mm thick approved hardcore deposited and compacted in layers maximum 150 mm thick -below ground floor slab	SM	499.00		
B	300mm thick approved hardcore deposited and compacted in layers maximum 150 mm thick -in ramps	SM	30.00		
C	Ditto ;150mm thick -below paving slabs around building	SM	176.00		
D	50mm Thick quarry dust blinding on surfaces of hardcore	SM	705.00		
	Anti-termite treatment				
	<u>Chemical anti-termite treatment as "Bayer premise 200sc" or other equal and approved treatment; including providing a 10 year guarantee; applied as per the manufacturer's printed instructions to:</u>				
E	Surfaces of filling	SM	516.00		
	Damp-proof membrane				
	<u>Polythene sheeting ; 1000 gauge; 150 mm laps; measured net; laid on:</u>				
F	Surfaces of filling	SM	516.00		
	Concrete works				
	<u>Plain concrete class 15/20(mix 1:4:8)as described in :-</u>				
G	50 mm thick blinding laid under strip footing	SM	193.00		
	<u>Vibrated reinforced concrete class 25/20; as described in:-</u>				
H	Strip foundation	CM	39		
I	150mm thick horizontal bed	SM	486.00		
J	Ditto steps	CM	3		
K	Ditto ramps	SM	30.00		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Reinforcement				
	<u>Deformed high yield steel ribbed bars ;BS4466;including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools</u>				
A	10mm diameter	KG	758		
B	8mm diameter	KG	457		
	<u>Fabric ;B.S 4483 References A142; mesh 200x200 mm weight 2.22kgs per square meter (measured net -no allowance made for laps) including bends ,trying wire and spacer blocks</u>				
C	To floor bed and ramps	SM	516.00		
	Formwork				
	<u>Sawn formwork to:</u>				
D	Sides of strips footing	SM	111.00		
E	Edges of horizontal bed ;exceeding 75mm but not exceeding 150mm high	LM	130.00		
F	Ditto Risers	LM	62.00		
	Walling				
	<u>Approved local natural, load bearing ;squared ;hand dressed stone walling with a compressive strength of 7.0 N/mm2 (Class A1); bedded and jointed in cement and sand (1:4) mortar, reinforced with 25mm x 20-gauge hoop iron at very alternate course as described all to Structural Engineers approval in:</u>				
G	200mm thick foundation walls	SM	345.00		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<p>Plaster work</p> <p><u>Cement and sand (1:4) render</u></p> <p>15mm thick to plinths</p>	SM	44		
B	<p>Painting and Decorating</p> <p><u>Prepare and apply three coats black bituminous paint to:</u></p> <p>Rendered surfaces</p>	SM	44		
	To Collection				
	<p><u>COLLECTION</u></p> <p>Total brought forward from page no:</p>		<p>MC/1</p> <p>MC/2</p> <p>MC/3</p> <p>Above</p>		
	To Summary				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 2 - REINFORCED CONCRETE FRAME (All measured Provisional)				
	Concrete works				
	<u>Vibrated reinforced concrete class 25/20; as described to structural Engineers drawings No... ,details and approval in:-</u>				
A	Ring beams	CM	33		
	Reinforcement				
	<u>Deformed high yield steel ribbed bars ;BS4466;including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools as described to Structural Engineers Drawing No....., details and approval in:</u>				
B	12mm diameter	KG	1469.00		
C	8mm diameter	KG	940.00		
	Formwork				
	<u>Fairfaced finished formwork a marine board or equal to:</u>				
D	side and soffits of beams	SM	364.00		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO.1 - EXTERNAL WALLING				
	Natural loadbearing stonework				
	<u>Approved local natural, load bearing ;squared ;hand dressed stone walling with a compressive strength of 7.0 N/mm2 (Class A1); bedded and jointed in cement and sand (1:4) mortar, reinforced with 25mm x 20-gauge hoop iron at very alternate course as described all to Structural Engineers approval in:</u>				
A	200mm thick walling	SM	422		
B	200mm thick gables, walls in roof an parapet walling	SM	560		
	Damp proof course				
	<u>Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured net, no allowance for laps):-</u>				
C	200mm wide	LM	321		
	Precast Concrete Copping				
	<u>Precast concrete units : class 25/20 mm : vibrated : reinforced as necessary for handling : fair face finished on all exposed faces : bedded and pointed in cement mortar (1:3)</u>				
D	275 x 75mm copping : weathered and throated to sides	LM	69		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<p>ELEMENT NO. 2 - INTERNAL WALLING</p> <p>Natural loadbearing stonework</p> <p><u>Approved local natural, load bearing ;squared ;hand dressed stone walling with a compressive strength of 7.0 N/mm2 (Class A1); bedded and jointed in cement and sand (1:4) mortar, reinforced with 25mm x 20-gauge hoop iron at very alternate course as described all to Structural Engineers approval in:</u></p> <p>200mm thick walling</p>	SM	376		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ELEMENT NO. 3 - ROOFING (All Provisional)					
Roof structure					
The following Sawn celcured treated timber ;all construced and fixed as per structural engineer drawings no....., Details and Approval					
A	150x50mm in Rafters,	M	554		
B	Ditto King Post	M	121		
C	Ditto Joist	M	967		
D	Ditto Stuts and Ties	M	2,184		
E	75x50mm purlins	M	1,183		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>Roof covering</p> <p><u>IT4 profile prepainted roofing sheets;26 gauge; fixed to timber purlins (measured seperately) at appropriate spacing with galvanised steel bolts, 150mm end laps and one and half side laps ;roofing sheets as per mabati rolling mills ltd or other equal and approved roofing sheets supplier; fixed in strict accordance with manufactures printed instructions</u></p>				
A	Roof covering not exceeding 45 degrees from horizontal	SM	638		
B	Standard ridge cap ;ditto	LM	47		
	<p>Carpentry</p> <p><u>Treated wrot cypress: selected; pressure impregnated; 12mm thick tongue and grooved eaves lining secretly nailed at 300 mm centres with galvanised nails including 50 x 50mm branderling at 500mm centres and stainless steel insect mesh; 25 x 12mm treated softwood heading to edges</u></p>				
D	Horizontal suspended eaves finish	SM	55		
	<p>Joinery</p> <p><u>Treated wrot cypress (prime grade)</u></p>				
E	300 x 25 mm fascia or barge board	LM	109		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Painting and Decorating				
	<u>Prepare and apply one coat primer, one undercoat and two coats gloss oil paint on woodwork</u>				
A	General surfaces : eaves boarding	SM	55		
B	Ditto fascia boards or barge boards : over 225 but not exceeding 300 mm girth	LM	109		
	Rain water installations				
	<u>Supply and fix heavy duty UPVC rain water gutter including fittings</u>				
C	150mm diameter gutter	LM	109		
D	Extraover ditto for stopped ends	NO	8		
E	Ditto for nozzle outlets	NO	8		
	<u>Supply and fix complete heavy duty UPVC rain water down pipe including fittings</u>				
F	100mm diameter downpipe	LM	27		
G	Extra over pipe for swan neck bends	NO	8		
H	Extra over ditto for downpipe outlets	NO	8		
I	Ditto for horse shoe projection	NO	8		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>COLLECTION</u>		<u>Page No.</u>		
			MC/8		
			MC/9		
			MC/10		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 4 - WINDOWS				
	Mild Steel Casement Windows				
	<u>Supply and fix the following purpose made heavy duty mild steel casement windows with frame, sub-frame, mullion, glazing bars : all necessary pegs, bolts, brass handles,fasteners and stays, heavy duty hinges, hooded mosquito proved permanent vent : 10 x 3mm flat bars to all openable panes to match : fixing lugs cast on and built into wall : one coat red oxide primer before fixing and pointing all round with mastic sealant all round frame, all as per architect's details</u>				
A	Overall size 1200 x 1500mm high- W03	NO	12		
B	Overall size 1800 x 1500mm high- W06	NO	3		
C	Overall size 900 x 600mm high- W02	NO	3		
D	Overall size 600 x 600mm high- W01	NO	1		
E	Overall size 1200 x 600mm high- W04	NO	2		
F	Overall size 1000 x 1000mm high- W05	NO	1		
G	Overall size 900 x 2400mm high- W07	NO	2		
	Mild steel grilles				
	<u>Mild steel grilles fabricated from 16mm diameter mild steel rods spaced at 100mm centers both ways and patterned as per architect's details welded to 25mm x 25 mm mild steel frame ;including priming with red oxide primer before delivery to site and all necessary welding and grinding welds smooth ;preparing and applying three coats automative spray painting ;all to architects approval and detailed drawings</u>				
H	1200 x 300mm high grille window- W12	NO	10		
I	600 x 300mm high grille window- W11	NO	4		
	Window cill				
J	Precast concrete window cill 200mm wide x 75 mm thick (extreme);conrete class 20/20 ;slope ;twice weathered;twice throated,reinforced as necessary for handling ,bedding ,jointing and pointing in cement motor (1:4) all to architects detailed drawing	LM	47		
	Window Board				
K	Wrot cypress window board ;125mm wide x 20mm thick with rounded edge	LM	22		
	Glazing				
	<u>6mm thick clear sheet glass and glazing with putty in metal frames: in panes of various sizes;</u>				
L	Exceeding 0.1 sm but not exceeding 0.5 sm	SM	39		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<u>6mm thick obscure sheet glass and glazing with putty in metal frames: in panes of various sizes;</u> Exceeding 0.1 sm but not exceeding 0.5 sm Backings <u>Render;cement and sand (1:4) 12mm thick one coat bed ;wood floated;to masonry base</u>	SM	2		
B	100mm-200mm wide plaster band around windows Painting and decorating <u>Prepare and apply one coat approved aluminium primer on woodwork before fixing:</u>	LM	123		
C	Surfaces over 100mm but not exceeding 200mm girth (window board) <u>Prepare and apply three coats approved polyurethane clear varnish on timber</u>	LM	22		
D	Surfaces over 100mm but not exceeding 200mm girth (window board) <u>Prepare and apply three coats approved gloss oil paint to metalwork:</u>	LM	22		
E	General surfaces <u>Prepare and apply one undercoat and two coats of approved gloss oil paint to metalwork:</u>	SM	0		
G	General surfaces <p style="text-align: right;">To Collection</p>	SM	89		
<u>COLLECTION</u>					
Total brought forward from page no:				<u>Page No.</u>	
				MC/12	
				Above	
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 5 - DOORS (All Provisional)				
	Lintel				
	<u>Precast concrete lintel class 20/20(12mm aggregate) including formwork and 4no.10mm diameter reinforcement bars with 8mm stirrups at 200mm centers concrete finished fair on all exposed surface hoisting and placing in position ;bedding, jointing and pointing in cement and sand (1:3) mortar</u>				
A	200mm x 200mm lintel	LM	5		
	Joinery				
	<u>Wrot cypress or other equal and approved softwood; prime grade as described in:</u>				
	<u>Door frame</u>				
B	150mm x 50mm ;rebated and moulded to detail	LM	49		
C	Ditto transome	LM	7		
	<u>Architraves</u>				
D	60mm x32mm;moulded to detail	LM	49		
	<u>Quadrants</u>				
E	25mm x 16mm ;moulded to detail	LM	49		
	<u>Wrot mahogany or other equal and approved hardwood; prime grade as described in:</u>				
	<u>Door frame</u>				
F	150mm x 50mm ;rebated and moulded to detail	LM	160		
G	Ditto transome	LM	27		
	<u>Architraves</u>				
H	60mm x32mm;moulded to detail	LM	160		
	<u>Quadrants</u>				
J	25mm x 16mm ;moulded to detail	LM	160		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Solid timber doors</u>				
	<u>50mm thick solid mahogany timber panel door ; all to architect's details (refer to door schedules)</u>				
A	1800 x 2400mm high overall; comprising double leaf, each leaf 900 x 2100mm; 300mm high fanlight(measured seperately)	No	4		
B	2800 x 2400mm high overall; comprising double leaf, each leaf 900 x 210mm; 600mm fixed side glazed pannels and 300mm high fanlight(measured seperately)	No	0		
C	900 x 2400mm high overall;comprising single leaf 900 x 2100mm; 300mm high fanlight(measured seperately)	No	20		
	<u>Flush doors</u>				
	<u>45mm Thick solid core mahogany veneered flush door; wrot hardwood lipping to all edges (refer to door schedules)</u>				
D	Single leaf door overall size 900mm x 2400mm high; comprising 45mm thick 900 x 2100 mm door leaf; 300mm high fanlight in obscure glass (m.s)	NO	8		
E	Single leaf door overall size 900mm x 2100mm high	NO	0		
	<u>Metal works</u>				
	<u>Mild steel grille door; comprising 50mm x 50mm x 3mm thick RHS frame fish tail grouted into concrete or masonry walling infilled with 20mm diameter steel rods spaced at 100mm centers neatly welded to frame; including priming with red oxide primer before delivery to site and all necessary welding and grinding welds smoothly preparing and applying three coats automotive spray painting and supplying and fixing 3no. brass hinges per door leaf, brass finish to back handle and 5 lever "union" mortise lock; all welding ground to smooth finish and including priming metal surfaces with zinc chromate primer before delivery to site and three coats gloss oil automotive spray paint finish; all to architect's approval and detail drawings (refer to door schedules)</u>				
F	Door overall size 900mm wide x 2400mm high;	NO	6		
G	Ditto overall size 1500mm wide x 2400mm high;	NO	2		
H	900 X 2400MM high louvred door	No	1		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Ironmongery				
	<u>Supply and fix the following "ASSA ABLOY" ironmongery or equal and approved, to be approved by the architects and including for matching screws and all labours there with as specified</u>				
A	2-lever mortice; complete with furniture; satin finish	NO	32		
B	100mm stainless steel (grade 304) ball bearing butt hinges	PAIR	54		
C	150mm satin nickel flush bolt, REF. DB-02-150-SN	NO	32		
D	Stainless steel rubber tipped hat and coat hook, ref : CH-39-SSS	NO	2		
E	Oval satin nickel floor mounted door stop, ref: DS 002 SNP	NO	36		
	Glazing				
	<u>5mm thick obscure sheet glass and glazing with putty in timber frames: in panes including timber beadings</u>				
F	Exceeding 0.1 SM but not exceeding 0.5 SM to fanlights	SM	8		
	Painting and decorating				
	<u>Prepare and apply one coat aluminium hardwood primer to crown paints or other equal and approved</u>				
G	Not exceeding 100mm wide	LM	98		
H	100mm -200mm wide	LM	209		
	<u>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:-</u>				
J	General timber door surfaces	SM	106		
K	Not exceeding 100mm wide	LM	98		
L	100mm-200mm wide	LM	98		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	COLLECTION				
	Total brought forward from page No.		MC/14		
			MC/15		
			MC/16		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>ELEMENT NO. 6 - EXTERNAL WALL FINISHES</p> <p>Insitu finishes</p> <p><u>15mm Thick cement and sand (1:3) render finished smooth with steel trowel to:</u></p>				
A	Masonry and concrete surfaces; externally	SM	1,045		
	<p>Painting and Decorating</p> <p><u>Prepare surfaces and apply three coats first quality acrylic exterior quality paint to;</u></p>				
B	Rendered concrete or masonry surfaces, externally	SM	1,045		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 7 - INTERNAL WALL FINISHES				
	Insitu finishes				
	<u>15mm thick cement sand (1:3) plaster; steel trowel finish; to smooth finish</u>				
A	12mm thick overall to masonry and concrete surfaces; internally	SM	1,803		
	<u>12mm thick cement sand (1:4) to receive ceramic wall tiles; to:</u>				
B	Masonry and concrete surfaces	SM	42		
C	Reveals of walls ;not exceeding 100mm gith	SM	4		
	Tile finishing				
	<u>8 mm Thick ceramic wall tiles including all necessary corner strips in aluminium; to regular pattern; bedded on screeded surface (measured separately) with an approved adhesive jointed and flush pointed with grouting to match tile;laid to completion and neatly finished by specialist to:</u>				
D	Screeded wall surfaces	SM	42		
E	Reveals of walls ;not exceeding 100mm gith	LM	4		
	Painting and decorating				
	<u>prepare surfaces and apply skim coat, one under coats and three coats silk vinyl emulsion paint to crown paint or other equal and approved manufacturer</u>				
F	Plastered wall surfaces	SM	1,803		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 8 - FLOOR FINISHES (All Provisional)				
	Screed or Backing				
	<u>Cement and sand (1:3) screed</u>				
A	32mm thick; wood floated; to receive ceramic floor tiles (m.s)	SM	425		
C	40mm thick coloured screed; steel trowelled to smooth finish	LM	45		
	Tile finishing				
	<u>Supply and fix non slip ceramic floor tiles: purpose made; bedded and jointed in cement and sand (1:4) mortar, including pointing with matching coloured grout; tile adhesive; aluminium edge trims and silicon joints and all other materials and laid to completion and neatly installed and finished by specialist to regular pattern incorporating all spacers and expansion joints:</u>				
D	8mm Thick floor tiles in approved patterns	SM	425		
E	100mm high skirting ; rounded junction with wall finish and covered junction with floor	LM	305		
F	150mm high risers	LM	80		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<p>Pre cast paving slabs</p> <p>600x600x50mm thick slabs laid on and including 50mm (consolidated) bed of sand; jointed and pointed in cement sand 1:3 mortar v-joints.</p> <p style="text-align: right;">To Collection</p> <p style="text-align: center;">COLLECTION</p> <p>Total brought forward from page No.</p>	SM	176		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 9 - CEILING FINISHES (All Provisional)				
	Plain Sheet Finishings				
	<u>9mm thick chipboard plasterboard ceilings screwed to and including 50 x 50mm sawn cypress branderling at 600 x 600mm centres suspended on hangers as per details; taped and filled joints; approval including all cutting and trimming to light fittings, ceiling access panels; fixed to completion and architects approval</u>				
A	Horizontal suspended ceilings	SM	482		
	<u>Extra over ceilings for trap doors; where directed; allow for all vertical trims; to approval</u>				
B	600 x 600 mm trap door	NO	2		
	Cornices				
C	75mm crown moulded wrot timber cornice	LM	394		
	Painting and Decorating				
	<u>Prepare and apply one coat aluminium wood primer on back of timber before fixing</u>				
D	Surfaces not exceeding 100mm girth (cornice)	LM	394		
	<u>Prepare surfaces and apply skim coat, one undercoat and two coats first quality matt emulsion paint ;to crown paints or other equal and approved</u>				
E	Suspended ceilings	SM	482		
F	Surfaces not exceeding 100mm girth (cornice)	LM	394		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 10 - JOINERY FITTINGS (All Provisional)				
	<u>Judge's Podium</u>				
	Walling				
	<u>Hollow concrete block walling laid and jointed in cement and sand (1:3) mortar : reinforced with 25 x 20 gauge hoop iron at every alternate course as described</u>				
A	100 mm thick dwarf walls	SM	16		
	<u>9mm thick first coat cement and sand (1:4) plaster; 3mm thick second coat of cement and lime putty (1:5); steel trowel finish; to</u>				
B	12mm thick overall plaster to masonry surfaces	SM	32		
	<u>prepare surfaces and apply one under coats and three coats matt emulsion paint to crown paint or other equal and approved manufacturer</u>				
C	plastered wall surfaces	SM	32		
	Concrete Works				
	<u>Plain in-situ concrete; class 15/20 using ordinary portland cement in:</u>				
D	Concrete plinth	CM	8		
	<u>Formwork : fairfaced finish as before described to:</u>				
E	Vertical edge of plinth over 75 - 150 mm high	M	14		
	Metal Work				
F	25 x 25 x 3mm SHS mild steel sections as described plugged to masonry surfaces;including welding and three coats oil gloss paint	LM	68		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Joinery				
	<u>In wrot mahogany; well treated and kept clean; rounded edges</u>				
A	600mm wide x 20mm thick desk top	SM	8		
B	150mm wide x 20mm thick fascia	M	14		
C	150 mm wide x 20mm thick coping	M	14		
D	45 x 45mm wide moulded quadrant	M	28		
	<u>Prepare surfaces and apply one under coats and three coats approved 2 pack polyurethane clear varnish on timber or other equal and approved to;</u>				
E	General timber surfaces	SM	8		
F	Surfaces not exceeding 100mm girth	SM	28		
G	Surfaces over 100mm but not exceeding 200mm girth	SM	28		
	Accused Dock				
	Walling				
	<u>Hollow concrete block walling laid and jointed in cement and sand (1:3) mortar : reinforced with 25 x 20 gauge hoop iron at every alternate course as described</u>				
H	100 mm thick dwarf walls	SM	10		
	<u>9mm thick first coat cement and sand (1:4) plaster; 3mm thick second coat of cement and lime putty (1:5); steel trowel finish; to</u>				
I	12mm thick overall plaster to masonry surfaces	SM	20		
	<u>prepare surfaces and apply one under coats and three coats matt emulsion paint to crown paint or other equal and approved manufacturer</u>				
J	plastered wall surfaces	SM	20		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Joinery				
	<u>In wrot mahogany; well treated and kept clean; rounded edges</u>				
	<u>Coping</u>				
A	150 mm wide x 20mm thick coping	M	8		
B	45 x 45mm wide moulded quadrant	M	32		
	<u>Door frame</u>				
C	100mm x 50mm ;rebated and moulded to detail	LM	4		
D	60mm x32mm;moulded to detail	LM	8		
	<u>45mm Thick solid core embossed mahogany veneered flush door;</u> <u>wrot hardwood lipping to all edges</u>				
E	Single leaf door ;45mm thick overall size 1000mm x 1200mm high	NO	1		
	<u>Supply and fix the following "UNION" ironmongery, to be approved by</u> <u>the architects and including for matching screws and all labours there</u> <u>with as specified</u>				
F	150mm satin brass barrel bolt	NO	1		
G	100mm stainless steel butt hinges	Pair	1		
	<u>Prepare surfaces and apply one under coats and three coats</u> <u>approved 2 pack polyurethane clear varnish on timber or other equal</u> <u>and approved to;</u>				
H	General timber surfaces	SM	4		
I	Surfaces not exceeding 100mm girth	SM	40		
J	Surfaces over 100mm but not exceeding 200mm girth	SM	12		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Witness Dock				
	Walling				
	<u>Hollow concrete block walling laid and jointed in cement and sand (1:3) mortar : reinforced with 25 x 20 gauge hoop iron at every alternate course as described</u>				
A	100 mm thick dwarf walls	SM	10		
	<u>9mm thick first coat cement and sand (1:4) plaster; 3mm thick second coat of cement and lime putty (1:5); steel trowel finish; to</u>				
B	12mm thick overall plaster to masonry surfaces	SM	20		
	<u>prepare surfaces and apply one under coats and three coats matt emulsion paint to crown paint or other equal and approved manufacturer</u>				
C	plastered wall surfaces	SM	20		
	Joinery				
	<u>In wrot mahogany; well treated and kept clean; rounded edges</u>				
	<u>Coping</u>				
D	150 mm wide x 20mm thick coping	M	8		
E	45 x 45mm wide moulded quadrant	M	32		
	<u>Door frame</u>				
F	100mm x 50mm ;rebated and moulded to detail	LM	4		
G	60mm x32mm;moulded to detail	LM	8		
	<u>45mm Thick solid core embossed mahogany veneered flush door; wrot hardwood lipping to all edges</u>				
H	Single leaf door ;45mm thick overall size 1000mm x 1200mm high	NO	1		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Supply and fix the following "UNION" ironmongery, to be approved by the architects and including for matching screws and all labours there with as specified</u>				
A	150mm satin brass barrel bolt	NO	1		
B	100mm stainless steel butt hinges	Pair	1		
	<u>Prepare surfaces and apply one under coats and three coats approved 2 pack polyurethane clear varnish on timber or other equal and approved to;</u>				
C	General timber surfaces	SM	4		
D	Surfaces not exceeding 100mm girth	SM	40		
E	Surfaces over 100mm but not exceeding 200mm girth	SM	12		
	Cell Benches				
	Walling				
	<u>Solid concrete block walling laid and jointed in cement and sand (1:3) mortar : reinforced with 25 x 20 gauge hoop iron at every alternate course as described</u>				
F	100 mm thick dwarf walls	SM	7		
	<u>9mm thick first coat cement and sand (1:4) plaster; 3mm thick second coat of cement and lime putty (1:5); steel trowel finish; to</u>				
G	12mm thick overall plaster to masonry surfaces	SM	16		
	<u>Prepare surfaces and apply one under coats and three coats matt emulsion paint to crown paint or other equal and approved manufacturer</u>				
H	Plastered wall surfaces	SM	16		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Concrete Works				
	<u>Reinforced vibrated in-situ concrete; class 20/20 using ordinary portland cement in:</u>				
A	75mm thick in-situ concrete (class 20/20 mm) bench top : including 6 mm diameter mild steel reinforcement bars at 150 mm centres both ways.	SM	21		
	<u>Formwork : fairfaced finish as before described to:</u>				
B	Soffits of worktops	SM	21		
C	Vertical edge of plinth over 75 - 150 mm high	M	35		
	Beds or Backing				
	<u>Cement and sand (1:4) backing</u>				
D	40mm thick to benches ; steel trowelled	SM	21		
E	Ditto but 100mm wide edges to benches	M	35		
	Registry Counters				
	Walling				
	<u>Hollow concrete block walling laid and jointed in cement and sand (1:3) mortar : reinforced with 25 x 20 gauge hoop iron at every alternate course as described</u>				
F	150 mm thick dwarf walls	SM	8		
	<u>9mm thick first coat cement and sand (1:4) plaster; 3mm thick second coat of cement and lime putty (1:5); steel trowel finish; to</u>				
G	12mm thick overall plaster to masonry surfaces	SM	16		
	<u>Prepare surfaces and apply one under coats and three coats matt emulsion paint to crown paint or other equal and approved manufacturer</u>				
H	plastered wall surfaces	SM	16		
	To Collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Concrete Works				
	<u>Reinforced vibrated in-situ concrete; class 20/20 using ordinary portland cement in:</u>				
A	75mm thick in-situ concrete (class 20/20 mm) countertop : including 6 mm diameter mild steel reinforcement bars at 150 mm centres both ways.	SM	3		
	<u>Formwork : fairfaced finish as before described to:</u>				
B	Soffits of worktops	SM	3		
C	Vertical edge of worktop over 75 - 150 mm high	M	10		
	Beds or Backing				
	<u>Cement and sand (1:4) screed, wood floated finish; to receive granite</u>				
D	20mm thick to worktops ; to receive granite (m.s)	SM	3		
E	Ditto but 100mm wide fascia	M	10		
	Tiles; Slab or Block Finishes				
	<u>Supply and fix non slip ceramic floor tiles: purpose made; bedded and jointed in cement and sand (1:4) mortar, including pointing with matching coloured grout; tile adhesive; aluminium edge trims and silicon joints and all other materials and laid to completion and neatly installed and finished by specialist to regular pattern incorporating all spacers and expansion joints:</u>				
F	8mm thick floor tiles to counter top	SM	3		
G	Ditto but 100mm wide fascia	M	10		
H	Extra over for forming opening for 450 x 340mm wide cash tray (measured seperately)	NO	4		
I	Ditto for 80 mm diameter grommets (measured seperately)	NO	4		
	To Collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Aluminium framed partitions				
	<u>50 mm thick natural anodized aluminium framed partitions : comprising 75 x 45 x 4mm thick heavy duty aluminium framing; Including all necessary beadings, neoprene gaskets; as per details</u>				
A	Partitions comprising top, sides and bottom framing : infilled with and including 10mm thick laminated clear sheet glazing; panels; beadings and gaskets; clear silicon joints	SM	8		
B	8mm thick clear glass dividers (between cashiers) size 525mm wide x 600mm high one side fixed to vertical aluminium members and bottom side embedded into counter top including fixing and making good all disturbed surfaces	NO	6		
C	One-way patterned film and fixing as per approved suppliers to glass dividers	SM	5		
D	Allow for raking cutting to shape 8mm thick glass dividers	M	12		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	COLLECTION				
	Total brought forward from page no.		MC/18		
			MC/19		
			MC/20		
			MC/21		
			MC/22		
			MC/23		
			MC/24		
			MC/25		
	Allow a sum of One hundred Thousand for for Kichennette joinery works				100,000.00
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Summary				
1	SUBSTRUCTURES				
2	RC FRAME				
3	EXTERNAL WALLING				
4	INTERNAL WALLING				
5	ROOFING				
6	WINDOWS				
7	DOORS				
8	EXTERNAL WALL FINISHES				
9	INTERNAL WALL FINISHES				
10	FLOOR FINISHES				
11	CEILING FINISHES				
12	JOINERY FITTINGS				
To Grand Summary					

EXTERNAL WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>DRIVEWAY & PARKING</u>				
	<u>All provisional</u>				
	<u>Site clearance</u>				
A	Clear site of works of grass, shrubs, bush, grub up roots, fill with selected soil and burn debris (heavy site clearance)	SM	250		
	<u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u>				
B	Excavate oversite average 150mm deep to remove vegetable top soil, wheel and deposit on site as directed	SM	250		
C	Bulk excavation to reduce levels to formation level, load and cart away as directed; grade and compact top surfaces of excavation	CM	75		
	<u>Fill & Compaction</u>				
E	Provide, Roll and compact 150mm thick subgrade in one layer of approved non expansive gravel material of minimum CBR 30 and to 95% modified proctors MDD T180	SM	250		
F	250mm thick compacted hand packed stone base in layers, blinded with murrum and compacted to 100% proctor, thickness 300 mm	SM	250		
H	Prepare and apply total persistent herbicide to surface of sub-base	SM	250		
	<u>Quarry dust fill</u>				
I	150mm thick quarry dust filling laid to fall and cross falls	SM	250		
	<u>Cabro Paving Blocks</u>				
J	Heavy duty loading blocks size 210 x 105 x 80mm (minimum strength 40N per square mm) laid on and including 50mm sand bed and compacted by surface vibration	SM	250		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>Precast concrete class 25 including all necessary formwork; finished fair on exposed surface including bedding, jointing and painting in cement and sand (1:4) mortar</u></p> <p>A 125 x 250mm half battered kerb laid on and including concrete class 15 bed and haunching at the back including all necessary formwork and excavation</p> <p>B 125 x 100 mm channel : 225 x 100 mm class 15/20 concrete base : 100 x 210 mm class 15/20 concrete haunch : excavation and disposal</p>	LM	65		
	To Collection				
	<p><u>COLLECTION</u></p> <p>Total brought forward from page no:</p>		<p><u>Page No.</u></p> <p>JS/1</p> <p>Above</p>		
	To Summary				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>STORM WATER DRAINAGE</u> <u>All provisional</u>				
	Concretework				
	<u>Plain in-situ concrete : class 15/20</u>				
A	300mm thick bed: to 500mm wide invert block drain: including formwork	LM	50		
	Invert block drains				
B	450 x 225 x 300 mm Precast concrete shallow invert block drain with side slabs size 610mm x 225mm x 75mm : laid to falls : with and including all necessary excavation, backfilling and disposal of surplus spoil (to Engineers detail)	LM	50		
	Culverts				
	<u>Excavate trench for drain pipe and channel not exceeding 1.5m deep, part return, fill and ram and remainder cart away</u>				
C	Trench, average 800mm deep for 300 mm Concrete pipe	LM	2		
	<u>Spun concrete cylindrical pipes and fittings to B.S 556, part 2 with spigot and socket joints</u>				
D	300mm diameter pipe	LM	2		
	<u>Plain concrete class 20/20 as described; including formwork and BRC A98 reinforcement:</u>				
E	150mm bed and surround to 600mm pipe	LM	2		
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>FOUL DRAINAGE (All Provisional)</p> <p>Excavation and Earthwork</p> <p><u>Excavate the following trenches, part backfill and compact selected excavated material, remove surplus spoil from site; grade and compact bottom of excavations; planking and strutting for:</u></p>				
A	100 mm diameter pipe, not exceeding 1.5 m deep; 1.0 m (average) deep	LM	20		
B	Extraover all excavations for excavating in rock; irrespective of type or class	CM	5		
	<p>Pipes</p> <p><u>"Key Terrain" or approved equivalent buried waste and soil uPVC drain pipes and fittings to BS 4660 : solvent welded joints</u></p>				
C	100 mm diameter heavy duty (4 mm thick minimum) pipe : laid and jointed in trenches with and including levelled compacted bases (measured separately)	LM	20		
	<p>Damp proof course</p> <p><u>Plain in-situ concrete class 15/25 (1:3:6 mix) using ordinary portland cement as described in:</u></p>				
D	150 mm bed and surround to 100 mm diameter pipe including all necessary formwork	LM	20		
To Collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>Inspection Chambers</p> <p><u>Rectangular manhole consisting of 150 mm thick in situ concrete class 20/20 base; 50 mm thick concrete class 15/20 blinding; 300 mm thick (average) concrete benching with 40 mm fall, including forming main and branch channels; 150 mm thick masonry wall; 100mm thick Class 25/20 cover slab; 12 mm thick (1:3) cement and sand render to sides of walls and benching, step irons to BS 1247 built into concrete at 300mm centres; recessed top with mild steel manhole cover frame cover; allow for building in all ends of pipes to manhole walls and making good; all necessary excavation, disposal and formwork; all as per the Engineer's details</u></p>				
A	Manhole size 600 x 450mm internal dimensions; depth 1.0m average	NO	6		
B	Rectangular cast iron double seal fibre manhole cover and frame: set on and including frame built into concrete	NO	6		
C	Allow for connection to the sewage mains including paying of all requisite charges	Item			30,000.00
D	Allow for testing the whole of the foul drainage system to the satisfaction of the Engineer	Item			10,000.00
	To Collection				
	COLLECTION				
	Total brought forward from page No.		EW/4	Above	
To Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>ENTRANCE GATES</p> <p>Mild Steel Gates</p>				
A	<p>Fabricate, supply and fix Mild Steel Gate overall size 6000 mm wide x 2400 mm high (extreme height) in two equal opening leaves each comprising of 50 x 50 x 6mm thick SHS outer framing : infilled with 25 x 25 x 2mm thick SHS vertical members at 150mm centres with 25 x 6mm flat bar spikes welded to top; including 25 x 6mm thick decorative pieces welded to vertical members in two rows: supported with heavy duty bushes to 100 x 100 x 2mm thick SHS gate posts, cast into concrete (m.s) : 2 No. heavy duty padlock hasps; 2 No. tower bolts; one coat primer and 2 coats painting with approved gloss paint all as per Architect's detailed drawing</p>	NO	1		
B	<p>Ditto; overall size 1200 mm wide x 2400 mm high</p> <p>Gates to holding Area</p>	NO	1		
	To Summary				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Summary				
1	Driveway & Parking				
2	Storm Water Drainage				
3	Foul Drainage				
4	Entrance Gates				
	To Grand Summary				

STANDARD DONOR FUNDED COURTS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>SECTION 1 : SEPTIC TANK, CAPACITY -12,000 LITRES (ALL PROVISIONAL)</p> <p><u>(THE ENTIRE BILL IS PROVISIONAL) The quantities and nature of work indicated in this bill are all provisional. The actual work done shall be ascertained by the quantity surveyor in consultation with the architect/engineer, valued and adjustments made in accordance with the contract.</u></p> <p><u>Pricing Notes:</u> (i). This element includes all works up to and including ground floor slab. (ii) Excavations are measured net: no working space is allowed: tenderer shall allow for all working space within the rates (ii) Rock level and types shall be agreed with consultants prior to commencement of respective excavations</p>				
A	<p>Clear the site of all bushes, shrubs, undergrowth; grub up all trees and burn the arisings.</p> <p><u>Excavation / Earth works</u></p>	Sm	0		
B	<p>Bulk excavation; manual depth not exceeding 1.5m deep; commencing from existing ground level ; load and cart away excavated material from site to local authority dumping site.</p>	Cm	18		
C	<p>Ditto for inspection chambers.</p>	Cm	1		
D	<p>Ditto for septic tank 1.5-3.0m.</p>	Cm	8		
E	<p>Extra over excavations for excavating in hard rock irrespective of class.</p> <p><u>Disposal of excavated material</u></p>	Cm	8		
G	<p>Remove surplus excavated material from site & dispose at designated County Authority Dump Sites</p>	Cm	27		
	Total Carried to Collection				

STANDARD DONOR FUNDED COURTS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<u>Plain concrete (1:3:6) as described in :-</u> 50mm thick blinding under base slab.	Sm	12		
B	Ditto to inspection chambers.	Sm	1		
C	Ditto in benching average 200mm high, in manhole overall size 750 x 750mm, including forming 150mm diametre half round main channel.	No	2		
	<u>In situ Concrete Class 25/20 mm CEM 42.5 to BS 8110:</u> <u>Vibrated: Reinforced with an approved bonding agent as described, in:-</u>				
D	150mm thick base slab.	Sm	12		
E	100mm thick base slab to inspection chambers.	Sm	1		
F	150mm thick suspended slab	Sm	11		
	<u>In situ Concrete Class 25/20 mm CEM 42.5 to BS 8110:</u> <u>Vibrated: Reinforced with an approved bonding agent as described, in:-</u>				
G	100mm thick scum baffle wall	Sm	2		
H	Ditto to partition wall	Sm	3		
	Total Carried to Collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Mesh Fabric reinforcement</u> <u>Mesh Fabric Reinforcement Reference A142 to BS 4483 :</u> <u>Weighing 2.22 kg Per Square Metre: 300 mm Laps to:</u>				
A	100mm thick base slab in inspection chambers.	Sm	1		
	<u>Mesh Fabric Reinforcement Reference A142 to BS 4483 :</u> <u>Weighing 2.22 kg Per Square Metre: 300 mm Laps to:</u>				
B	100mm thick partition wall	Sm	3		
	<u>Reinforcement</u> <u>Reinforcement in different sizes. High yield square twisted bars or ribbed reinforcement to KS573:2014 Kenya standard specification for cold worked high yield steel bars for reinforcement of concrete bars for reinforcement (or other equal and approved) with and including tying wire, distance blocks and ordinary spacers, all necessary cutting, bending and laying. The rate shall be deemed to include the binding wire and the spacer block all as per Structural engineers drawings No..... and BBS sheets</u>				
C	Assorted bars	Kg	368		
	<u>Fairfaced formwork as described to :-</u>				
A	Sides of baffle wall.	Sm	4		
B	Sides of partition wall.	Sm	6		
C	Soffits of suspended slabs.	Sm	11		
D	Edges of base slab over 75mm but not exceeding 150mm high.	Lm	15		
E	Ditto to inspection chambers.	Lm	5		
F	Ditto to suspended slab.	Lm	12		
G	Boxing to form 600x450mm opening in 150mm slab.	Lm	10		
	Total Carried to Collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Masonry Wall</u>				
	<u>Selected load bearing approved quality natural/quarry masonry stone (7.0N/mm²) : dressed : including double dressing to corner blocks: in cement and sand (1:3) mortar : 20 gauge x 25mm wide hoop iron reinforcement and column-wall ties in every alternate course: to</u>				
D	200mm thick septic tank walls.	Sm	33		
E	200mm thick inspection chambers walls.	Sm	5		
	<u>Waterproofed cement and sand plaster (1:3) as described to:-</u>				
J	12mm thick plaster finish to wall surfaces	Sm	48		
K	Ditto to concrete cover slab and plinths	Sm	13		
	<u>Heavy Duty Grade A manhole cover</u>				
	<u>Heavy duty Fibre manhole cover size 450x600mm complete with frame including bedding frame in cement and sand (1:4) mortar and cover in grease</u>				
N	Cover size 600x450mm including framing	No	4		
O	Allow for testing and connection of the whole septic tank	Item	1		
	Total Carried to Collection				

STANDARD DONOR FUNDED COURTS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>Collection</p> <p>Brought forward from Page 1</p> <p>Brought forward from Page 2</p> <p>Brought forward from Page 3</p> <p>Brought forward from Page 4</p>				
	<p>TOTAL FOR SECTION NO. 1: SEPTIC TANK CARRIED TO GRAND SUMMARY</p>				

STANDARD DONOR FUNDED COURTS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>SECTION 2 : SOAK PIT AND FRENCH DRAIN (ALL PROVISIONAL)</p> <p><u>(THE ENTIRE BILL IS PROVISIONAL) The quantities and nature of work indicated in this bill are all provisional. The actual work done shall be ascertained by the quantity surveyor in consultation with the architect/engineer, valued and adjustments made in accordance with the contract.</u></p> <p><u>Pricing Notes:</u> (i). This element includes all works up to and including ground floor slab. (ii) Excavations are measured net: no working space is allowed: tenderer shall allow for all working space within the rates (ii) Rock level and types shall be agreed with consultants prior to commencement of respective excavations</p>				
A	Clear the site of all bushes, shrubs, undergrowth; grub up all trees and burn the arisings.	Sm	0		
	<u>Excavation / Earth works</u>				
B	Bulk excavation; manual depth not exceeding 1.5m deep; commencing from existing ground level ; load and cart away excavated material from site to local authority dumping site.	Cm	15		
C	Ditto 1.5-3.0m.	Cm	1		
D	Extra over excavations for excavating in hard rock irrespective of class.	Cm	1		
	<u>Disposal of excavated material</u>				
F	Remove surplus excavated material from site & dispose at designated Sites	Cm	11		
G	Supply imported well compacted murrum filling	Cm	1		
H	Lightly compacted approved filling	Cm	4		
	Total Carried to Collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Fillings</u>				
A	Hand packed approved quality hardcore: packed, watered and compacted in 150mm thick layers: to approval	Cm	9		
	<u>Plain concrete (1:3:6) as described in :-</u>				
B	50mm thick blinding under foundation.	Sm	1		
	<u>In situ Concrete Class 25/20 mm CEM 42.5 to BS 8110: Vibrated: Reinforced with an approved bonding agent as described, in:-</u>				
C	Strip footing	Cm	1		
D	150mm thick suspended slab.	Sm	2		
	<u>Reinforcement</u>				
	<u>Reinforcement in different sizes. High yield square twisted bars or ribbed reinforcement to KS573:2014 Kenya standard specification for cold worked high yield steel bars for reinforcement of concrete bars for reinforcement (or other equal and approved) with and including tying wire, distance blocks and ordinary spacers, all necessary cutting, bending and laying. The rate shall be deemed to include the binding wire and the spacer block all as per Structural engineers drawings No..... and BBS sheets</u>				
E	12mm bars	Kg	30		
	<u>Damp proofing</u>				
F	1000mm gauge polythene damp proof membrane with 150mm(Min) end and side laps.	Sm	5		
	Total Carried to Collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Fairfaced formwork as described to :-</u>				
A	Vertical sides of foundation footing.	Sm	1		
B	Soffits of suspended slabs.	Sm	2		
C	Edges of suspended slab over 75mm but not exceeding 150mm high.	Lm	6		
D	Boxing to form 600x450mm opening in 150mm slab.	LM	3		
	<u>Masonry Wall</u>				
	<u>Selected load bearing approved quality natural/quarry masonry stone (7.0N/mm²) : dressed : including double dressing to corner blocks: in cement and sand (1:3) mortar : 20 gauge x 25mm wide hoop iron reinforcement and column-wall ties in every alternate course: to</u>				
E	200mm thick walls.	Sm	2		
	<u>Waterproofed cement and sand plaster (1:3) as described to:-</u>				
F	10mm thick plaster finish to wall surfaces	Sm	2		
	<u>Heavy Duty Grade A manhole cover</u>				
	<u>Heavy duty fibre manhole cover size 450x600mm complete with frame including bedding frame in cement and sand (1:4) mortar and cover in grease</u>				
G	Cover size 600x450mm including framing	No	1		
	<u>French Drain Pipe</u>				
F	150mm heavy duty PVC perforated french drain pipe to approval	Lm	5		
	Total Carried to Collection				

STANDARD DONOR FUNDED COURTS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>Collection</p> <p>Brought forward from Page 1</p> <p>Brought forward from Page 2</p> <p>Brought forward from Page 3</p>				
	<p>TOTAL FOR SECTION NO. 2: SOAK PIT CARRIED TO GRAND SUMMARY</p>				

MECHANICAL INSTALLATIONS

BILL No. 1:- SANITARY FITTINGS AND ACCESSORIES					
ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (KShs Cts)	AMOUNT (KShs Cts)
	Supply, deliver to site and neatly install the following sanitary fittings including all the necessary fittings and jointing. Tenderers to note that ANY ALTERNATIVE will ONLY be considered if they MATCH or exceed the specified items in terms of TECHNICAL capabilities and MUST be accompanied with PRODUCT CATALOGUES				
1.01	Sanitary Fittings				
a	Close Coupled water closet suite in vitreous China comprising WC pan, horizontal outlet, cistern and dual flush(4.5, 2.6 ltrs) push button, heavy duty seat and cover in white colour, stainless steel hinges, WC connector, flexible connector and angle valve 1/2", fixing screws and mastic. Model to be Frenzia WC-100 or equal and approved equivalent	No.	3		
b	Ceramic Washdown WC Squatting pan in vitreous china complete with wall hung ceramic cistern with dual flush push button and all other necessary fittings and accessories for proper functioning of the installation, all to the Approval of the Engineer.	No.	2		
1.02	Wash Hand Basin Pedestal wash hand basin size 550 x 450mm with one tap hole, White, 32mm diameter chrome plated chain waste, chain stay hole, complete with heavy duty plastic bottle trap (32mm 'P' trap) with 75mm seal, extension basin tap connectors. Model to be Frenzia or equal and approved	No.	4		
1.03	Tapware Chrome plated WHB non-corrosive time delay push taps with flexible connector and angle valve 1/2" for cold water. Model to be DOCOL, or approved equivalent	No.	4		
1.04	Arabian Shower/ Bidet Spray Chrome plated wall mounted arabian shower with the following features; Heavy duty chrome plated flexible hose, spray rose with press level operation, chrome plated mounting bracket for the spray rose	No	3		
1.05	Robe hook Chrome plated Hansgrohe Logis Universal: Double Robe Hook C.P.	No.	3		
1.06	Toilet Roll Holder Dali toilet roll holder CP Ref BE70 with cover made of stainless steel and suitable fixing for securing to solid wall	No.	5		
1.07	Mirrors				
a	6mm thick bevel edged polished plate glass, silver backed mirror with bevelled edges, size 650x550mm plugged and screwed to wall with 4No.Chrome plated chrome capped screws and 5mm thick foam back rest.	No	3		
b	6mm thick polished plate glass, silver backed full size mirror with bevelled edges, size 1800x600mm plugged and screwed to wall with 6No.Chrome plated chrome capped screws and 5mm thick foam back rest. - In Chambers	No	2		
1.08	Paper Towel Dispenser Mediclinics Wall-mounted paper towel dispenser satin finish. The dispenser shall include a casing having a narrow dispensing slot in the bottom surface. The dispenser should have a proper mechanism to prevent excessive quantities of tissue.	No	3		
	Total Carried Forward				

BILL No. 1:- SANITARY FITTINGS AND ACCESSORIES					
ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (KShs Cts)	AMOUNT (KShs Cts)
	Total Brought Forward				-
1.09	Soap Dispenser Wall mounted soap dispenser with a capacity of about one litre having a press action soap release mechanism complete with fixing screws. Allow for initial soap supply. As Tapis. Mediclinics or approved equivalent.	No	3		
1.10	Kitchen Sink Single bowl, single drain stainless steel kitchen sink of size 900 x 500mm with chrome plated 40mm waste fittings, plugs, chain stays, overflow, flexible connector and angle valve 1/2", 1No. 15mm diameter chrome plated sink mixer , heavy duty PVC plated bottle trap with 75mm deep seal and chain waste fitting.	No	1		
Total Carried to Summary Page					-

BILL No. 2:- INTERNAL COLD WATER SUPPLY SYSTEM AND WATER RETICULATION					
ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (KShs Cts)	AMOUNT (KShs Cts)
	Supply, deliver to site and install cold water in polypropylene PP-R pipes and fittings to relevant B.S DIN and local standards. Jointing & installation methods shall be as per manufacturers' recommendations only. All pipe diameters are external diameters. Tenderers must allow in their prices for all couplings, connectors, holding brackets expansion joints as required in the running lengths of pipes.				
2.01	Plumbing Pipes				
	a) 50mm diameter PP-R pipe as mains water distribution.	Lm	80		
	b) 40mm ditto.	Lm	100		
	c) 32mm ditto	Lm	120		
	d) 25mm ditto	Lm	150		
2.02	Elbow and Bends				
	a) 50mm diameter PP-R elbow/bend	No.	4		
	b) 40mm ditto	No.	6		
	c) 32mm ditto	No.	20		
	d) 25mm ditto	No.	35		
2.03	Tees				
	a) 50mm diameter PP-R equal tee	No.	4		
	b) 40mm ditto	No.	6		
	c) 32mm ditto	No.	10		
	d) 25mm ditto	No.	15		
2.04	Reducers				
	a) 50x40mm reducer	No.	2		
	b) 50x32mm ditto	No.	2		
	c) 40x32mm ditto	No.	6		
	d) 32x25mm ditto	No.	10		
2.05	Sockets/ Unions				
	a) 50mm diameter socket	No.	15		
	b) 40mm ditto	No.	25		
	c) 32mm ditto	No.	30		
	d) 25mm ditto	No.	40		
2.06	Female/ Male Threaded joints				
	a) 50mm diameter PP-R threaded joint	No.	15		
	b) 40mm ditto	No.	25		
	c) 32mm ditto	No.	30		
	d) 25mm ditto	No.	30		
2.07	Gate Valves (Pegler)				
	a) 50mm diameter gate valve; from elevated water tank and as distribution isolation.	No.	2		
	b) 40mm diameter gate valve as distribution isolation	No.	2		
	c) 32mm ditto.	No.	4		
	d) 25mm ditto.	No.	8		
2.08	Water Storage Tanks Supply, deliver to site, install, test and commission PVC Cylindrical Water Storage Tank of Capacity 10,000 Litres as "Toptank" or approved complete with 50mm diameter high pressure "Pegler" ball valve, 40mm diameter inlet, 40mm diameter outlet and a 65mm diameter overflow complete with mosquito gauze.- Tanks to be on a concrete water tower as per Structural Engineer's details.	No	2		
	Total Carried Forward				-

BILL No. 2:- INTERNAL COLD WATER SUPPLY SYSTEM AND WATER RETICULATION					
ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (KShs Cts)	AMOUNT (KShs Cts)
	Total Brought Forward				-
2.09	<p>Water Tank Tower and Platform Allow for construction of 6m high concrete water tower capable to support 10m³ of water with concrete support base, roof cover, steel ladder as per the Structural Engineer's details</p>	No	1		
2.10	<p>Water Booster pumpset Supply, installation, testing and commissioning set of automatically driven booster pump, with automatic changeover capable of delivering 5m³/hr against a head of 10 meters with single phase power source. It includes gate valves and non return valve. Pump to contain control panel. The pump to be dayliff or approved equivalent and to be enclosed in a lockable steel cage with G.I steel mounting frame complete with rubber anti-vibration mountings.</p>	No.	1		
	<p>EXTERNAL WATER RETICULATION Supply, deliver to site and install external water services reticulation system in polyethylene P.E pipes (PN 25) and fittings to relevant B.S, DIN and local standards. Jointing & installation methods shall be as per manufacturers' recommendations only. All pipe diameters are internal diameters. Tenderers must allow in their prices for all couplings, connectors, holding brackets expansion joints as required in the running lengths of pipes.</p>				
2.11 a	<p>Pipes 40mm diameter from Local Authority water mains to the Site Main Water Storage Tank.</p>	Lm	100		
2.12 a	<p>Gate Valves (Pegler) 40mm diameter approved pattern brass rising stem full-way gate valve with wheel or equal and approved.; as main distribution isolation to the main water tank from local authority mains</p>	No	2		
2.13	Allow sum for all assorted accessories required for the installation of pipelines including but not limited to pipe fittings etc.	Item	1		
2.14	<p>Associated Civil Works Excavate trench approx. 400mm wide and with an average depth of 600mm for water distribution. Back fill and ram and remainder cart away. (Final ground finish is to Architect's specification.)</p>	Lm	100		
2.15	<p>Municipal Water Connection Allow for municipal water connection. Rate to include facilitation fee, liaison, application, payment to the relevant authorities and supply and connection of water complete with commercial water meter and manhole chamber with cover.</p>	Item	1		
2.16	<p>Gutters connection to water tanks Allow for a sum for connection of the gutters to the water tanks for water harvesting including all necessary fittings and accessories.</p>	Item	1		
2.17	<p>Testing and Commissioning Allow for setting to work, testing and commissioning of the whole water reticulation system including sterilisation and flushing out of the system to the satisfaction of the Engineer.</p>	Item	1		
	Total Carried to Summary Page				

BILL No. 3:- INTERNAL DRAINAGE SYSTEM					
ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (KShs Cts)	AMOUNT (KShs Cts)
	Supply, install, test and commission the installation in uPVC grey/ golden brown pipework and fittings. Tenderers must allow in their prices for all couplings,connectors, adapters, socket reducers, holding brackets expansion joints as required in the running lengths of pipes. The manufacturer's pipe jointing recommendations shall be fully complied with.				
3.01	Soil & Waste drainage				
	a) 110mm heavy duty golden brown pipe horizontal drainage through manhole.	Lm	150		
	b) 110mm diameter uPVC heavy duty grey pipe heavy duty.	Lm	40		
	c) 50mm ditto	Lm	30		
	d) 40mm ditto	Lm	18		
	e) 32mm ditto	Lm	12		
3.02	Bends/Elbows				
	a) 110mm diameter UPVC bend	No.	12		
	b) 50mm ditto	No.	20		
	c) 40mm ditto	No.	10		
	d) 32mm ditto.	No.	10		
3.03	Inspection Plugs/Access caps				
	a) 110mm diameter inspection plugs	No.	4		
	b) 50mm ditto	No.	8		
	c) 40mm ditto	No.	8		
3.04	Sockets				
	a) 110mm diameter socket	No	15		
	b) 50mm ditto	No.	10		
	c) 40mm ditto	No.	6		
	d) 32mm ditto	No.	6		
3.05	Connectors				
	a) 100x50mm	No.	4		
	b) 100x40mm	No.	2		
	c) 100mm diameter WC connector with rubber seal	No.	3		
3.06	Tees				
	a) 110mm diameter tee	No.	4		
	b) 50mm ditto	No.	10		
	c) 40mm ditto	No.	6		
	d) 32mm ditto	No.	20		
3.07	Vent Cowls				
	a)100mm diameter vent cowl	No.	2		
3.08	Proprietary Four-way 100 x 50mm floor traps complete with grating cover.	No.	4		
3.09	100mm diameter gulley trap complete with standard 300 x 300 x 450 masonry chamber and cover.	No.	5		
Total Carried Forward					

BILL No. 3:- INTERNAL DRAINAGE SYSTEM					
ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (KShs Cts)	AMOUNT (KShs Cts)
	Total Brought Forward				-
	Inspection Chambers Rectangular manhole consisting of 150 mm thick in-situ concrete class 20/20 base; 50 mm thick concrete class 15/20 blinding; 300 mm thick (average) concrete benching with 40 mm fall, including forming main and branch channels; 150 mm thick masonry wall; 100mm thick Class 25/20 cover slab; 12 mm thick (1:3) cement and sand render to sides of walls and benching, step irons to BS 1247 built into concrete at 300mm centres; recessed top with mild steel manhole cover frame cover; allow for building in all ends of pipes to manhole walls and making good; all necessary excavation, disposal and formwork; all as per the Civil Engineer's details				
3.10					
a	Manhole size 600x 450mm internal dimensions; depth 900mm average.	No.	15		
b	Grade B medium duty single triangular cast iron double seal manhole cover and frame: set on and including 50 x 50 x 4mm galvanized mild steel angle frame fixed with and including 25 x 25 x 3mm angle section lugs 100mm long with one end welded to frame and the other end fish tailed and set in concrete	No	15		
	Testing & Commissioning Allow for testing and commissioning of the internal drainage system to the satisfaction of the Project Manager/ Engineer				
3.11		Item	1		
	Municipal Sewer Connection Allow for municipal sewer connection. Rate to include facilitation fee, liaison, application, payment to the relevant authorities and supply and connection to sewer.				
3.12		Item	1		
	Total Carried to Summary Page				

BILL NO 4: PORTABLE FIRE EXTINGUISHERS					
ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (KShs Cts)	AMOUNT (KShs Cts)
	Supply, install, test and commission the following equipment and fittings as described				
	Portable Fire Extinguishers				
4.01	5 Kg carbon dioxide gas fire extinguisher complete with initial charge and mounting brackets.	No.	2		
4.02	9 Litre dry chemical powder fire extinguishers complete with pressure gauge, initial charge and mounting brackets.	No.	4		
4.03	9 Litre water fire extinguishers complete with pressure gauge, initial charge and mounting brackets.	No.	4		
4.04	6kg Automatic fire Extinguisher as sprinkler 68C complete with all brackets, hangers and fixings.	No.	2		
4.05	1.8m x 1.8m Fire blanket made from woven fire resistant material as supplied from G4S or similar to approval	No.	1		
Total Carried forward to Summary Page					

SUMMARY PAGE		
ITEM	DESCRIPTION	AMOUNT KShs Cts
1.00	BILL NO 1 - SANITARY FITTINGS AND ACCESSORIES	
2.00	BILL NO 2 - INTERNAL COLD WATER SUPPLY SYSTEM AND WATER RETICULATION	
3.00	BILL NO 3 - INTERNAL DRAINAGE SYSTEM	
4.00	BILL NO 4 - PORTABLE FIRE EXTINGUISHERS	
	TOTAL FOR MECHANICAL WORKS INCLUSIVE OF VAT C/F TO MAIN WORKS SUMMARY PAGE	

ELECTRICAL INSTALLATIONS

PROPOSED CONSUTRUCION OF DONOR FUNDED MAGISTRATE COURTS ELECTRICAL BOQ					
ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
A	<u>LIGHTING POINTS</u>				
A1.01	Lighting points wired in 3x 1.5 mm ² SC CU cables drawn in 20mm diameter concealed HG P.V.C conduits for one way switching.	No.	30		
A1.02	Lighting points wired in 3x 1.5 mm ² SC CU cables drawn in 20mm diameter concealed HG P.V.C conduits for way switching.	No.	56		
A1.04	Fire exit signage point wired in 3x 1.5 mm ² SC fire tuff CU cables drawn in 20mm diameter concealed HG P.V.C conduits	No.	2		
A1.05	10Amps architrave switch plate as Panasonic Simplus or approved equivalent as for a) One gang one way b) One gang two way c) Two gang two way	No. No. No.	15 10 4		
B2	<u>LIGHTING FITTINGS</u>				
B2.01	Slim versatile mount 2ftX2ft 2 LED with louverv casing/ LED panel, surfacemount luminaire, IP44 DSE requirement of EN12464 (type S) 32 watts as Panasonic or equivalent. For chamber and offices	No.	30		
B2.02	Large decorative pendant with metal housing on single wire suspension for 57W TC-TEL lamp c/w Opal glass reflector and pre installed 2.5metre (3x1.5mm sqr flame retarndarnt halogen cable(Luminaire type B) as As Thorn Glacier II or approved equivalent for court light	No.	20		
B2.03	Slim circular 18w LED down lighters ceiling mounted IP44 in white polycarbonate finish opal diffuser(luminaire type C) as thorn omega circular or equivalent	No.	12		
B2.04	Bathroom ceiling light polycarbonate , IP65 rated surface luminaire with opal diffuser and white body c/w E 27 40W 2D lamp (luminaire type S) or approved equivalent	No.	3		
B2.05	Waterproof mirror light as EGLO 87016 chrome finish as Thorn SONPAK, IP65 (luminaire Type M) or approved. equivalent.	No.	3		
B2.06	Maintained 8W fluoescent double sided exit sign of aluminium construction with polycarbonate diffuser as Simkar DLR2RW Double sided Exit Sign EFX3/ICEL C/W CAT EFXT 6b with inbuilt rechargeable battery as Euro Legend or approved equivalent.	No.	2		
B2.07	Surfacer mount 4ftX2 LED panel with louverv casing, surfacemount luminaire, IP44 DSE requirement of EN12464 (type S) 32 watts as thorn omega pro or equivalent. For courts	No.	10		
B2.08	Wall mounted Floodlight 100w led lamps (no ballast) energy saving type t8 – t12 series. Type as Neelux or approved equivalent	No.	4		
B2.09	Supply, install integrated solar street lighting complete galvanized pole of 8m height tto match existing. Waterproof Ip67 and High Power 275 Watts with solar panels and able to allow at least 24hrs lighting with auto switching capabilty as ALLTOP 0937B300-01 OR approved equivalent	No.	5		
B2.10	Ornamental Outdoor lighting for main Gate asColour: Black Base Type: E27 Voltage: AC 220 - 240V Dimensions: Height 400mm x Width 225mm Material: Diecast Aluminium & Clear Glass IP Rating: IP65. Philips or approved equivalent	No.	2		
	Sub-total for Ground Floor Lighting fittings and Accessories c/f to Price Collection Page				

ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
C2	POWER SYSTEM				
C2 ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
C2.01	200x50mm powder coated two compartment metal trunking complete with bends ,and all connection accessories for linking horizontal trunking (<i>Actual length to be measured on site</i>) .	LM	80		
C2.02	Power points wired in 3x2.5 mm ² SC CU cables from dsitribution board for twin ring socket outlet points drawn in 20mm diameter concealed HG P.V.C conduits	No.	14		
C2.03	Power points wired in 3x2.5 mm ² SC CU cables from dsitribution board for twin ring socket outlet points for power on the metal trunking above	No.	36		
C2.04	Provide knockoff points for twin ring socket outlet points for power on the metal trunking above	No.	36		
C2.05	13A twin piloted enamel white moulded type socket outlet faceplate as MK / ZENcelo WITH ON INDICATOR SILVER BRONZE with Usb port mounted on the metal trunking or approved equivalent	No.	50		
C2.06	Power points wired in 3x2.5 mm ² SC CU cables distribution board for twin ring socket outlet points for power on the floor power and data boxes.	No.	4		
C2.07	Fire alarm panel Power points wired in 3x2.5 mm2 SC fire resistant CU cables for piloted DP power outlets drawn in 25mm Ø HG PVC conduit	No.	1		
C2.08	Fire exit signage point wired in 3x 1.5 mm2 SC fire tuff CU cables drawn in 20mm diameter concealed HG P.V.C conduits	No.	3		
C2.09	Handdrier Power points wired in 3x4.0mm2 SC CU cables for piloted DP power outlets drawn in 25mm Ø HG PVC conduit	No.	9		
C2.10	Under sink water heater, AC and Sweep fan Power, points wired in 3x4.0mm2 SC CU cables for piloted DP power outlets drawn in 25mm Ø HG PVC conduit	No.	4		
C2.11	45A Cooker control unit c/w single socket outlet as MEM or approved equivalent	No.	1		
C2.12	8 way TP&N, flush mounted distribution board complete with integral 160A isolator as Schindler Electric or approved equivalent complete with all accessories but excluding MCBs. As MCB's for item above IC60N 1P	No.	2		
	i) 6A SP MCB	No.	4		
	(ii) 10A SP MCB	No.	6		
	(iii) 20A SP MCB	No.	4		
	(iv)32A SP MCB	No.	2		
C2.11	10mm2 PVC/PVC 4-core cables as submain from the nearest duct to the distribution board below i.e DB 1 to DB 2 . (<i>Approx. total length to be confirmed on site</i>)	Lm	50		
	Sub-total for Ground Floor Power System (Carried to collection page)				

ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
4	AUTOMATIC FIRE DETECTION SYSTEM & ALARM SYSTEM				
A4.01	230VAC 1 loop control fully addressable fire alarm control panel unit with a minimum of 50 addresses per loop c/w a minimum rated 2x27Ah stand by battery . The panel to meet IP30 ingress protection and meet the following standards; EN54 pt2,pt4, pt13 and EN 50130-4. The panel must have RS485 and RS 232 output ports as well as Menvier D60001 or approved equivalent.	No.	1		
A4.02	Intelligent addressable optical smoke sensor as Menvier Cat MAP820 or approved equivalent with all necessary construction materials.	No.	18		
A4.03	Installation of addressable photoelectric smoke detector, cabled in enhanced fire resistant cable (120 min) with a cross section of 2 x 1.5mm ² to Fire Detection Panel, drawn in PVC heavy duty type conduit DN20mm.	No	30		
A4.05	Intelligent addressable wall sounder beacon c/w base as Menvier CatMASB860 or approved equivalent	No.	4		
A4.06	Installation of addressable wall sounder, cabled in enhanced fire resistant cable (120 min) with a cross section of 2 x 1.5mm ² to Fire Detection Panel, drawn in PVC heavy duty type conduit DN20mm.	No	4		
A4.07	LED sounder beacon c/w adjustable volume and as Menvier CAT MSB124SB	No.	2		
A4.08	Installation of addressable LED sounder beacon , cabled in enhanced fire resistant cable (120 min) with a cross section of 2 x 1.5mm ² to Fire Detection Panel, drawn in PVC heavy duty type conduit DN20mm.	No	2		
A4.09	Supply addressable Break glass Menvier CatMASB860 or approved equivalent	No	10		
A4.10	Installation of addressable break glass , cabled in enhanced fire resistant cable (120 min) with a cross section of 2 x 1.5mm ² to Fire Detection Panel, drawn in PVC heavy duty type conduit DN20mm.	No	10		
A4.11	Labelling, Testing and Commissioning of fire detection system in full operation.	Item	1		
A4.12	Training of usage and application of system	Item	1		
	FIRE ALARM SYSTEM TOTALS (Carried to collection page)				

ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
5	LIGHTNING PROTECTION SYSTEM				
A5.01	Copper Air terminals(spikes) consisting of 2000mm rod length, and diameter of 15mm as Furse or approved equivalent	No.	4		
A5.02	25mm x 3mm bare copper tape for vertical down conductor as Furse part no. TC035 or approved equivalent	M	30		
A5.03	25mm x 3mm bare copper tape for horizontal conductor as Furse part no. TC035 or approved equivalent	M	30		
A5.04	25x3mm Copper tape saddles	No.	30		
A5.05	Test clamp	No.	4		
A5.06	Earth Inspection concrete chamber 300mm x 300mm x 300mm with concrete cover	No.	4		
A5.07	16mm diameter, 1500mm long copper Earth rod as Furse Cat. No. RC 020 Complete with clamp and driving stud	No.	4		
	LIGHTNING PROTECTION SYSTEM TOTAL(Carried to collection page)				

ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
6.00	SUBMAINS CABLE, LV BOARD AND CHANGEOVER SUBMAINS CABLE METER BOARD Allow for Space and supply three phase KPLC meters, CTs and cut-outs complete with viewing glass as per KPLC requirement and Space for fixing future 1 No. MCCB of 63A, surge protector and Neutral termination with accompanied meter grounding	Lot	1		
A6.01	SUBMAINS CABLE 4x16mm ² Armoured Copper cables with glands for underground outdoor use drawn in 32mmØ concealed HG PVC conduits to and from changeover board	LM	100		
A6.02	The following for items above:- a) Trenching to a depth of a minimum of 700mm c) Back filling of the trenches	LM LM	100 100		
A6.03	Supply and install enclosure box of dimensions Height 700mm x Width 500mm x Diameter	NO	5		
A6.04	Earth Inspection concrete chamber 300mm x 300mm x 300mm with concrete cover	NO	5		
A6.05	10mm ² PVC/PVC 4-core cables as submain from the nearest duct to the distribution board below i.e DB on the ground floor . (<i>Approx. total length to be confirmed on site</i>)	LM	50		
	SUBMAINS TOTAL(Carried to collection page)				

STANDARD DONOR FUNDED COURTS

ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
7.00	ACCESS CONTROL AND CCTV				
	ACCESS CONTROL Provide for laying of concealed 20mm Dia HG Pvc conduit from for access control points	Lot	1		
	CCTV CONDUIT WORKS Provide for laying of concealed 20mm Dia HG Pvc conduit for cctv installation works	Lot	1		
8.00	PROVISIONAL SUM FOR KPLC CONNECTION Allow provision sum of kshs. 500,000.00 for KPLC Phase power connection	Sum	1	500,000.00	500,000.00

STANDARD DONOR FUNDED COURTS

ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
ITEM	DESCRIPTION	UNITS	QTY	RATE	AMOUNT
	COLLECTION PAGE				
	1. LIGHTING TOTALS				
	2. POWER DISTRIBUTION TOTAL				
	3. FIRE ALARM SYSTEM TOTALS				
	4. LIGHTNING PROTECTION SYSTEM TOTAL				
	6. METER BOARD AND SUBMAINS				
	7. ACCESS CONTROL AND CCTV				
	8. KPLC CONNECTION				
	ESTIMATED TOTAL (VAT Inclusive)				

PROVISIONAL SUMS

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	Allow a provisional sum for Fencing (6 strand Barbed Wire on Concrete Posts, Approx 120m)	300,000.00
B	Allow a provisional sum of Nine Hundred Thousand (Kshs.900,000.00) for Contingencies	900,000.00
C	Allow a provisional sum of Seven Hundred and Fifty Thousand (Kshs.750,000.00) for PMC Expenses	750,000.00
D	Allow a provisional sum of Seven Hundred Thousand (Kshs.700,000.00) for Project Management	700,000.00
E	Allow a provisional sum of Twenty Five Thousand (Kshs.25,000.00) for Project Branding	25,000.00
	To Grand Summary	2,675,000.00

GRAND SUMMARY

ITEM	DESCRIPTION	UNIT	AMOUNT
	<u>GRAND SUMMARY</u>		
1.00	Preliminaries		
2.00	Main Court Building		
3.00	External Works		
4.00	Septic Tank		
5.00	Mechanical Installations		
6.00	Electrical Installations		
7.00	PC and Provisional Sums		2,675,000.00
	CARRIED TO FORM OF TENDER (VAT INCLUSIVE)	KSHS.	

SIGNED:
(Employer)

.....

Address:

.....

Tel No:

.....

Date:

.....

SIGNED:
(Contractor)

.....

Address:

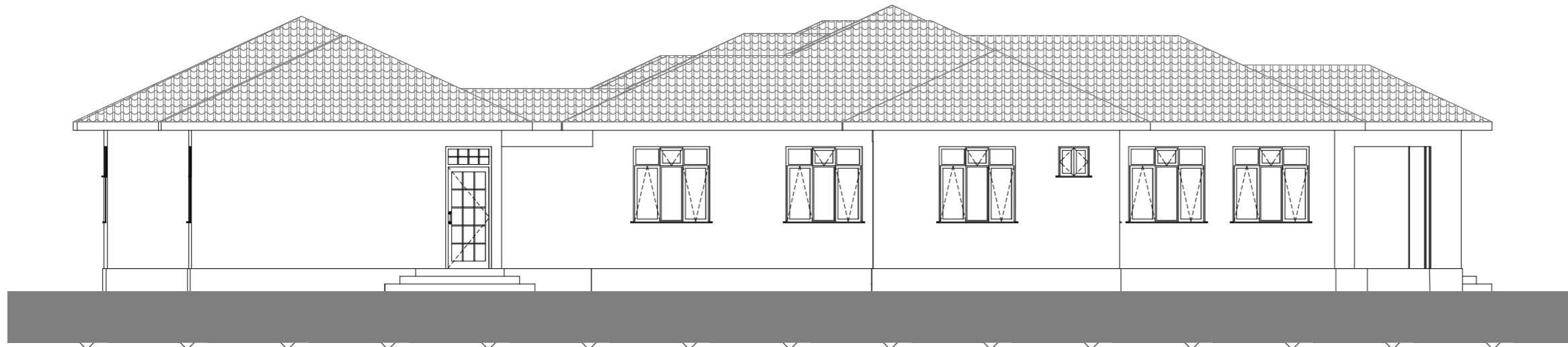
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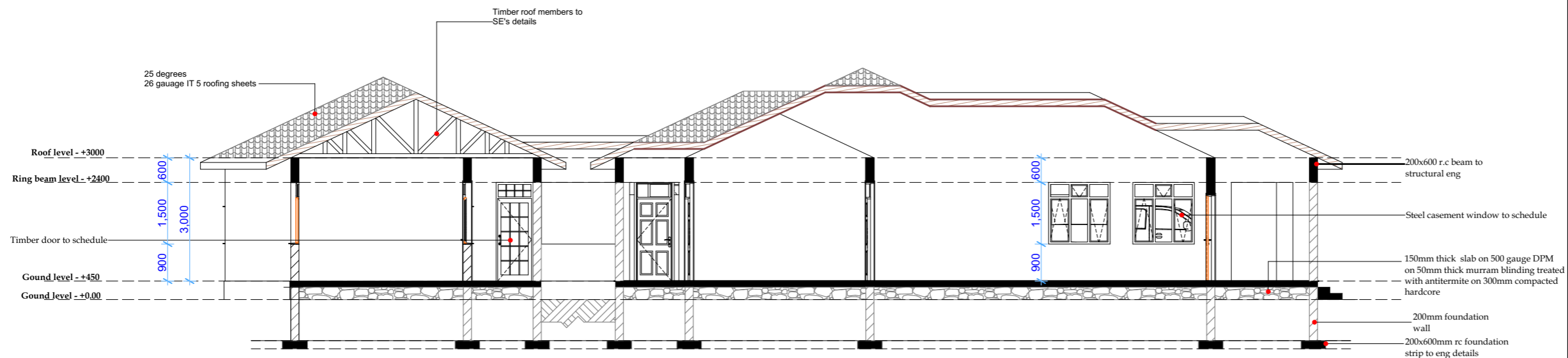
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Date:

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ELEVATION 04
SCALE 1:100



SECTION 01
SCALE 1:100

NOTES

REVISIONS

PROJECT:
PROPOSED STANDARD DONOR
FUNDED MAGISTRATE COURT

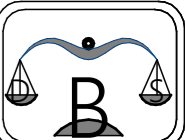
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GROUND FLOOR PLAN

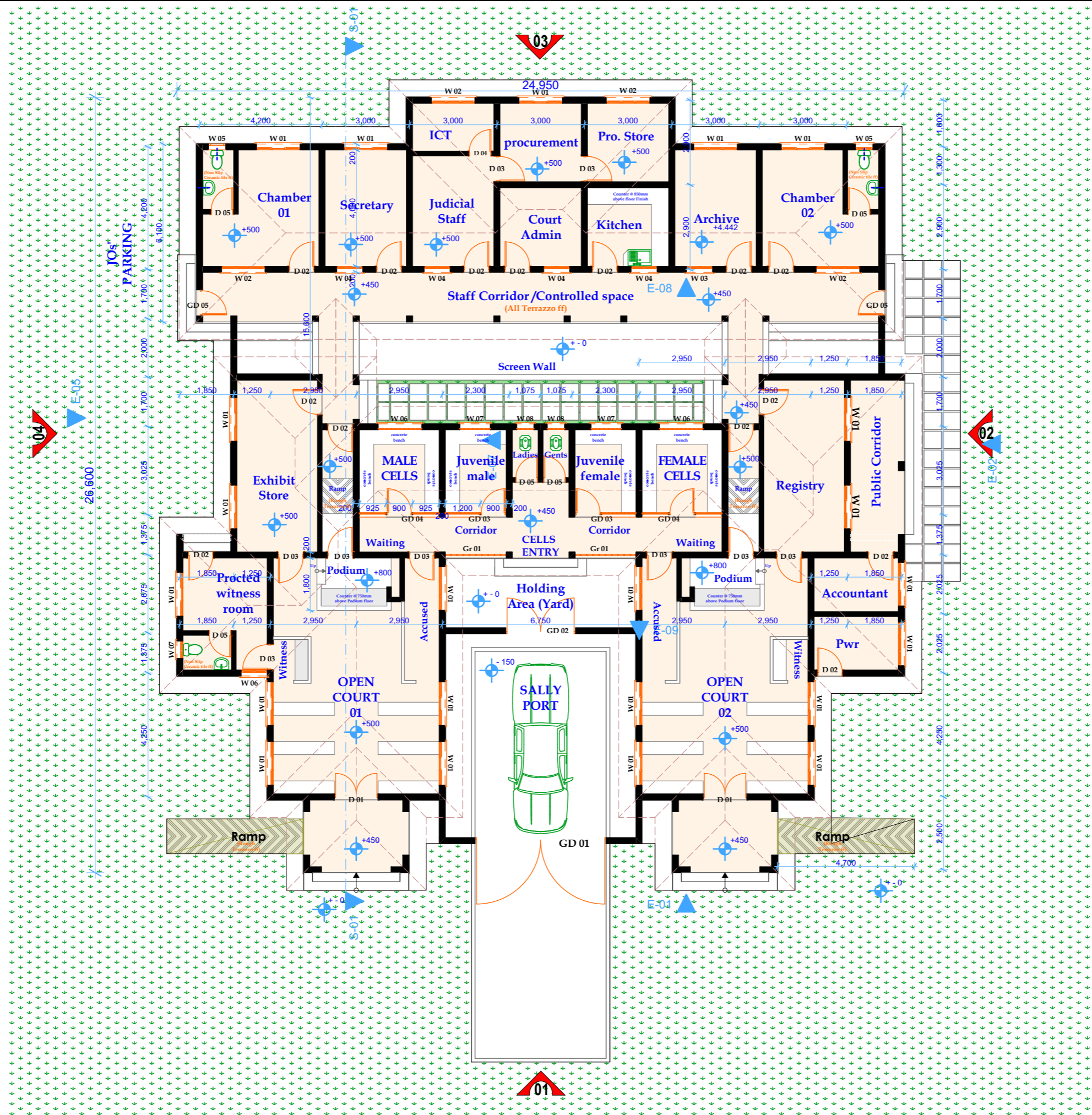
Client THEJUDICIARY

Project job No.		Drawing No.	
Name	Signed	Date	
Drawn B.M.M			
Checked Arch J.Mosheh			

APPROVED

THE JUDICIARY
OF KENYA
DIRECTORATE OF BUILDING SERVICES





GROUND FLOOR PLAN (AREA - 434.67M²)

NOTES

REVISIONS

PROJECT:
PROPOSED STANDARD DONOR
FUNDED MAGISTRATE COURT

Drawing title
GROUND FLOOR PLAN

Client THEJUDICIARY

Project job No.		Drawing No.	
Name	Signed	Date	
Drawn B.M.M			
Checked Arch J.Mosheh			

APPROVED

THE JUDICIARY
OF KENYA
DIRECTORATE OF BUILDING SERVICES

