REPUBLIC OF KENYA



RE:PROPOSED CONSTRUCTION OF A BASIC ICT HUB AT KANGATOTHA

BILL OF QUANTITIES

TENDER DOCUMENT

CLIENT
FAM NG-CDF
TURKANA SOUTH
P.O BOX 267-30500,
LODWAR

TENDER NO: TC/NG-CDF/2026-2027

QUOTATION NAME:

PROPOSED CONSTRUCTION OF A BASIC ICT HUB PROJECT-
OPTION 1 AT KANGATOTHA TURKANA CENTRAL CONSTITUENCY

CLOSING DATE AND TIME -

PREPARED BY:

COUNTY WORKS OFFICERS,
P.O BOX 11-30500
LODWAR.

ISSUED ON;
AUGUST, 2026

ITEM	DESCRIPTION	AMOUNT
	BILL NO. 1	
	PARTICULAR PRELIMINARIES	
A	**PRICING ITEMS OF PRELIMINARIES** Prices **SHALL BE INSERTED** against items of "preliminaries" in the tenderer's priced Bills of Quantities. The contractor is advised to read and understand all preliminary items	
B	**DESCRIPTION OF THE WORKS** The works to be carried out comprises **CONSTRUCTION AND COMPLETION OF A BASIC ICT HUB AT KANGATOTHA**	
C	**MEASUREMENTS** In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER in accordance with Clause 12 of the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with Clause 13 of the said Conditions.	
D	**LOCATION OF SITE** The site of the proposed works is **AT KANGATOTHA, TURKANA CENTRAL CONSTITUENCY.** The Contractor is advised to visit the site, to familiarize with the nature and position of the site. No claims arising from the Contractor's failure to do so will be entertained.	
E	**SIGNING OF THE TENDER DOCUMENTS** The bidder shall append his / her signature and / or company 's rubberstamp on each and every page of tender document.	
F	**DEMOLITIONS AND ALTERATIONS** The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc as directed by the Project Manager and as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be excecuted to the satisfaction of the Project Manager The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described. Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carterd away from site.	

ITEM	DESCRIPTION	AMOUNT
	The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use during their removal unless it is certified by the Project Manager that such damage or breakage was inevitable as a result of the condition of the item concerned	
	Carried to collection	
A	**CLEARING AWAY** The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager. The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager.	
B	**CLAIMS** It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contact period.	
C	**PAYMENTS** The tenderer's attention is drawn to the fact that the GOVERNMENT DOES NOT MAKE ADVANCE PAYMENTS but pays for work done and materials delivered to sit: all in accordance with Clause 14 of the Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his tender sum commensurate to the said elements	
D	**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 nomal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities beeing carried out by the Client. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.	
E	**WORKING CONDITIONS** The Contractor shall allow in his rates for any interferance that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the facility will be operating as usual during the course of the contract.	
F	**SIGNBOARD** Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.	

ITEM	DESCRIPTION	AMOUNT
G	**LABOUR CAMPS** The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.	
H	**MATERIALS FROM DEMOLITIONS** Any materials arising from demolitions and not re-used shall become the property of the Client	
	Carried to collection	
A	**PRICING RATES** The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.	
B	**URGENCY OF THE WORKS** The Contractor is notified that these " works are urgent" and should be completed within the period stated in these Particular Preliminaries. The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.	
C	**PAYMENT FOR MATERIALS ON SITE** All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.	
D	**EXISTING SERVICES** Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.	
E	**CONTRACT COMPLETION PERIOD** The 'PROJECT MANAGER' shall strictly monitor the Contractors progress in relation to the progress chart and should it be found necessary the 'PROJECT MANAGER' 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, e.t.c and working overtime all at his cost.	
F	**BID SECURITY** The tenderer shall provide a Bid Security not exceeding 2% in accordance with clause 19 of the Instructions to Tenderers.	
G	**TENDER DOCUMENTS** Tender documents are as listed in Clause 6.1 of the Instruction to Tenderers	

ITEM	DESCRIPTION	AMOUNT
H	**DELIVERY OF TENDER** Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in the advertisement. Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened.	
	Carried to collection	
A	**VALUE ADDED TAX** The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. The Contractor should therefore include allowance in his rates and prices for prices for VATand any other Government taxes currently in force. The tenderer is advised that in accordance with Government public notice No. 35 & 36 Dated 11th September 2003 operational from 1st October 2003, VAT will be deducted against the contract sum at the prevailing rate by the Employer and remitted directly to the 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 VAT, any excess payment will berefundable once the Contractor has submitted monthly returns to the Commissioner of VAT who will do the refunds when satisfied that the VAT regulations have been complied with. ***NB: The Rates Quoted Should be Inclusive of VAT and not added at the Grand Summary Page***	
	Carried to collection	
A	**PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT**	

ITEM	DESCRIPTION	AMOUNT
	The following are the insertions to be made in the appendix to the Contract Agreement: - **Period of Final Measurement** 6 Months From Practical completion **Defects Liability Period** **6** Months from Practical completion **Date for Possession** To be agreed with the Project Manager **Date for Completion** **16 weeks** from date of Possession **Liquidated and Ascertained** At the rate of **KSh 0.025%** per day or part thereof **Prime cost** sums for which …… The Contractor desires to tender …… **Period of Interim Certificates** Monthly **Period of Honouring Certificates** 30 days **Percentage of Certified Value Retained** 10% **Limit of Retention Fund** 10%	
	Carried to collection	
	COLLECTION Brought Forward From Page PP/1 Brought Forward From Page PP/2 Brought Forward From Page PP/3 Brought Forward From Page PP/4 Brought Forward From Page PP/5	
	TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	

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

ITEM	DESCRIPTION	AMOUNT
	Carried to collection	
A	**EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT** *Attendance ;* Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:- Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, mess rooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary; providing space for office accommodation and for storage of plant and materials; providing light and water for their work: clearing away rubbish; unloading checking and hoisting: providing electric power and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub- Contractors' work and being responsible for the accuracy of the same. *Fix Only:-* "Fix Only" shall mean take delivery at nearest railway station (Unless otherwise stated),pay all demurrage charges, load and transport to site where necessary, unload, store,unpack, assemble as necessary, distribute to position, hoist and fix only.	
B	**EMPLOYER** The Employer is the **TURKANA SOUTH CONSTITUENCY** The term "Employer","Procuring Entity","Government" and "TURKANA SOUTH CONSTITUENCY" wherever used in the contract document shall be synonymous.	
C	**PROJECT MANAGER** The term "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1 of the Conditions of Contract. In this contract the projetc manager is the **REGIONAL WORKS OFFICER, STATE DEPARTMENT FOR PUBLIC WORKS, NORTH RIFT REGION P.O. Box 53-30100, ELDORET**	
D	**ARCHITECT** The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works officer, P.O. Box 53-30100 Eldoret	
E	**QUANTITY SURVEYOR** The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works officer, P.O. Box 53-30100 Eldoret	
F	**ELECTRICAL ENGINEER** The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works officer, P.O. Box 53-30100 Eldoret	

ITEM	DESCRIPTION	AMOUNT
G	**MECHANICAL ENGINEER** The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works officer, P.O. Box 53-30100 Eldoret	
	Carried to collection	
A	**STRUCTURAL ENGINEER** The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works officer, P.O. Box 53-30100 Eldoret	
B	**FORM OF CONTRACT** The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Building and Associated Civil Engineering Works (April 2022 Edition) included herein. The Conditions of Contract are also included herein Particulars of insertions to be made in the Appendix to the Contract Agreement will be found in the Particular Preliminaries part of these Bills of Quantities	
C	**PERFORMANCE BOND.** The Contractor shall find and submit on the Form of Tender an approved bank who will be willing to be bound to the Government in an amount equal to five per cent (5) 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 on the relevant standard form included herein. (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Government, the Contractor shall furnish within seven days another Surety to the approval of the Government.	
D	**PLANT, TOOLS AND VEHICLES** Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specificallyand only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.	
E	**TRANSPORT.** Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.	

ITEM	DESCRIPTION	AMOUNT
F	**MATERIALS AND WORKMANSHIP.** All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also ensure they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.	
	Carried to collection	
A	**SIGN FOR MATERIALS SUPPLIED.** The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER 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 PROJECT MANAGER at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER	
B	**STORAGE OF MATERIALS** The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.	
C	**SAMPLES** The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Land, Housing and Urban Development The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.	
D	**GOVERNMENT ACTS REGARDING WORKPEOPLE ETC.**	

ITEM	DESCRIPTION	AMOUNT
	Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople. The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.	
	Carried to collection	
A	**SECURITY OF WORKS ETC.** The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public.	
B	**PUBLIC AND PRIVATE ROADS.** Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER	
C	**EXISTING PROPERTY.** The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER	
D	**VISIT SITE AND EXAMINE DRAWINGS.** The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.	
E	**ACCESS TO SITE AND TEMPORARY ROADS.**	

ITEM	DESCRIPTION	AMOUNT
	Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER The Contractor should also allow for relocating existing fence (approx. 30 metres long).	
F	**AREA TO BE OCCUPIED BY THE CONTRACTOR** The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER	
	Carried to collection	
A	**OFFICE ETC. FOR THE PROJECT MANAGER** The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the standard type, complete with furniture. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.	
B	**WATER AND ELECTRICITY SUPPLY FOR THE WORKS** The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub--contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.	
C	**SANITATION OF THE WORKS**	

ITEM	DESCRIPTION	AMOUNT
	The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER	
D	**SUPERVISION AND WORKING HOURS** The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.	
E	**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.	
F	**PRIME COST (OR P.C.) 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 PROJECT MANAGER to execute work or to provide and fix materials or goods are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.	
	Carried to collection	
A	**PROGRESS CHART.** The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.	
B	**ADJUSTMENT OF P.C. SUMS.** In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance" 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.	
D	**ADJUSTMENT OF PROVISIONAL SUMS.**	

ITEM	DESCRIPTION	AMOUNT
	In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued as described for Variations, 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.	
E	**NOMINATED SUB-CONTRACTORS** When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".	
F	**DIRECT CONTRACTS** Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.	
	Carried to collection	
A	**ATTENDANCE UPON OTHER TRADESMEN, ETC.** The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.	
B	**INSURANCE** The Contractor shall insure as required in Clause 18 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.	

ITEM	DESCRIPTION	AMOUNT
C	**PROVISIONAL WORK** All work described as "Provisional" in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.	
D	**ALTERATIONS TO BILLS, PRICING, ETC.** Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.	
E	**BLASTING OPERATIONS** Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.	
	Carried to collection	
A	**MATERIALS ARISING FROM EXCAVATIONS** Materials of any kind obtained from the excavations shall be the property of the Government. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.	
B	**PROTECTION OF THE WORKS.** Provide protection of the whole of the works contained in the Bills of Quantities, including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.	
C	**REMOVAL OF RUBBISH ETC.**	

ITEM	DESCRIPTION	AMOUNT
	Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.	
D	**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 of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER	
E	**GENERAL SPECIFICATION.** For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads, Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.	
F	**TRAINING LEVY** The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.	
G	**MATERIALS ON SITE** All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.	
	Carried to collection	
A	**HOARDING** The Contractor shall enclose all the areas under construction with approved material to the satisfaction of the PROJECT MANAGER	
B	**CONTRACTOR'S SUPERINTENDENCE/SITE AGENT** The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.	

ITEM	DESCRIPTION	AMOUNT
	Carried to collection	
	COLLECTION Brought Forward From Page GP/1 Brought Forward From Page GP/2 Brought Forward From Page GP/3 Brought Forward From Page GP/4 Brought Forward From Page GP/5 Brought Forward From Page GP/6 Brought Forward From Page GP/7 Brought Forward From Page GP/8 Brought Forward From Page GP/9 Brought Forward From Page GP/10	
	TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY	

Item No.	Description	Unit	Quantity	Rate	Kshs.
	Element No. 1 **Substructures (All Provisional)** ***Site Preparation***				
A.	Clear site of vegetation/loose material and remove off site, over building footprint plus 2m working margin	SM	240		
B.	Excavate oversite to remove vegetable top soil average 150mm deep and cart away.	CM	191		
C.	Excavate earth for strip foundation and compress the bottom surface (8MPa) according to the tectnical regulations for the activity.Load,transport and spread on site as directed bt the Engineer in price are includes also compressing.(Remark:All expenses for testing of compressing need to be included in price	CM	191		
D.	For strip foundations, not exceeding 1.5m deep in murram from the stripped levels.	CM	61		
E.	Extra cover excavations for rock(All classes)	CM	1		
F.	Return fill and ram selected materials,where the selected materials are not suitable,the contractor will use imported and approved imported materials	CM	19		
G.	Selected imported backfill well watered and compacted in layers not exceeding 150mm thick to Engineer's approval	CM	161		
H.	Cart away surplus materials arising from excavation as directed on site	CM	90		
I.	Allow for keeping all excavations free from spring,ssubterranean or flood water	Item	1		

J.	Allow for necessary planking and strutting sides of all types of excavations	Item	1		
	Total carried to collection page 1 of 13				-
Item No.	**Description**	**Unit**	**Quantity**	**Rate**	**Kshs.**
	SUBSTRUCTURES WORKS-CONT'D				
	Hardcore backfill				
A.	Supply,transport,deliver and handpack gravel 300mm thick below foundation slab,this includes watering and compressing gravel according to standards for this activity	CM	161		
B.	50mm thick quarry dust blinding to hardcore (measured separately)	SM	178		
C.	"Premise 200CC" insecticide treatment to surfaces of excavatios applied as per manufacturer's instruction with a 10 year guarantee as "HIGHCHEM LTD"	SM	178		
	Damp proof membrane				
D.	Two layers 1000 gauge polythene sheeting with minimum 300mm side end laps	SM	178		
	Concrete class 1:3:6 (40mm aggregate				
D.	50mm thick blinding foundation in trenches	SM	51		
E.	Ditto to column bases	SM	1		
	Supply and put in place vibrated reinforced concrete class 25(20mm aggregate) in:-				
F	Strip footing	CM	10		
G.	Ramp	CM	2		
H.	150mm thick ground floor slab	SM	178		

	Total carried to collection page 2 of 13				-
Item No.	**Description**	**Unit**	**Quantity**	**Rate**	**Kshs.**
	Supply and construct formwork to the sides of concrete surfaces.The formwork shall comprise acceptable timber or steel shutters with and including mould oil,putting in place and striking off,Where the surface of concrete is disturbed by striking off,it shall be repaired at the contractor's cost				
A	Edges of ground floor slabs, 75-150mm girth	SM	64		
	Supply,transport,deliver,cutting,bending and install steel rods.				
	High tensile square twisted reinforcement bars to B.S. 4461 including bends,hooks,tying wire,distance blocks,chairs and spacers.				
B	Assorted reinforcement bars 10 mm diameter	Kgs	101		
C	Assorted reinforcement bars 12mm diameter	Kgs	224		
	Supply,transport and install mesh fabric reinforcement				
D	Fabric mesh reinforcement BRC type A142 weighing 2.22kg/m2 with minimum 300mm side and end laps.	SM	178		
	Construction of natural stonework walling;roughly squared;bedded and jointed in 1:4 cement and sand mortar and reinforced with 20 gauge hoop iron wall ties every alternate course.The stone crushing strength to be minimum 7N/mm2				

E	External walling in natural stone/concrete block (200mm), bedded, jointed and levelled, from DPC level to wall-plate, height 3.0m (external walls, gross before deducting	SM	102		
	Total carried to collection page 3 of 13				-

Item No.	Description	Unit	Quantity	Rate	Kshs.
	SUBSTRUCTURES WORKS-CONT'D				
	Brought forward from page 1				
	Brought forward from page 2				
	Brought forward from page 3				

	Total carried to collection page 4 0f 13				
Item No.	**Description**	**Unit**	**Quantity**	**Rate**	**Kshs.**
	WALLING				
	Damp-proof course				
	Supply,transport,deliver selected quality concrete blocks for walling.The wall will be bedded and jointed in 1:4 cement and sand mortar and reinforced with 20 gauge hoop iron every alternate course.The concrete blocks should have a minimum crushing strength of 7N/mm2				
A	200 mm Wide 3-ply Hessian based bituminous felt damp proof course laid on and including 200mm cement/sand (1:4) setting	LM	69		
B	Ditto 150mm wide	LM	30		
	External Walling				
C	200mm Thick Chisel dressed stone walling reinforced at each alternate course with and including 24 gauge galvanized mild steel hoop iron and staggered.	SM	123		
	Internal Walling				

D	200mm Thick quarry stone walling reinforced at each alternate course with and including 24 gauge galvanized mild steel hoop iron and staggered.	SM	19		
E	Ditto 150mm thick	SM	73		
	Total carried to Summary page 5 0f 13				

Item No.	**Description**	**Unit**	**Quantity**		
	CONCRETE WORKS				
	Supply and put in place vibrated reinfoced concrete class 25(20mm aggregate)in:-				
A	Ring beams and other structural beams	CM	7		
	Supply and construct formwork to the sides of concrete surfaces.The formwork shall comprise acceptable timber or steel shutters with and including mould oil,putting in place and striking off,Where the surface of concrete is disturbed by the strinking off,it shall be repaired at the contractor's cost				
B	Formwork to sides and soffits of ring beam and other beams	SM	93		
	Supply,transport,cutting,bending and installing of steel rods				
	High tensile square twisted reinforcement bars to B.S. 4461 including bends,hooks,tying wire,distance blocks,chairs and spacers				

C	Assorted reinforcement bars 8mm diameter	Kgs	203		
D	Assorted reinforcement bars 12mm diameter	Kgs	330		
	Carried to correction				
	Brought forward from page 5				
	Brought down from above				
	Total Carried to summary 6 of 13				
Item No.	**Description**	**Unit**	**Quantity**	**Rate**	**Kshs.**
	ROOFING				
	timer pressure impregnate with approved preservative. The contractor to allow in his rates for proper joints and connections including scarfed joints and connections including scarfed joints and hoop iron as may deem necessary;				
	Structural Timber;Sawn or Equal and approved				
A	IT5 gauge 28 pre-painted roofing sheets, fixed to purlins with coach screws and bonded washers, including 10% laps/wastage	CM	233		
B	Extra over for ridge caps to match, ditto	LM	31		
C	Ditto valley caps to match	LM	15		
D	Fascia/Eaves D Ex 225 x 25mm fascia and barge boards nailed to rafters.	LM	67		
	painting and decoration				
	Surfaces of fascia and barge boards, 200-300mm girth.	LM	12		
	Roof structure				
E	75 x 50mm Purlins	LM	466		
F	150 x 50mm Trussed rafters	LM	145		

G	Ditto Ceiling joists/tie beams	LM	119		
H	Ditto King post	LM	26		
I	75 x 50mm Struts and ties	LM	178		
J	100 x 50mm sawn celcured cypress wall plate, plugged and fixed to ring beams with and including 12mm diameter x 150mm long	LM	47		
K	100 x 50 mm Ridge and Hip rafters	LM	46		
	Total carried to summary page 7 of 13				

Item No.	Description	Unit	Quantity	Rate	Kshs.
	CONTINUED				
	Rainwater disposal				
	Heavy duty UPVC as described in:				
A	200mm Diameter half-round gutters jointed with hemp and gaskets and held to fascia boards with and including heavy duty UPVC brackets at 1000 mm c/c.	LM	64		
B	Extra over for half-circular UPVC ends size 200mm diameter.	NO	4		
	Gutters outlet				
C	100mm Diameter grey downpipes held onto walls with approved mild steel holder bats	LM	21		
D	Extra over for swan neck bends, 800mm long	NO	6		
E	Ditto for shoes, 300mm long	LM	6		
	TOTAL FOR ROOF				
	EXTERNAL OPENINGS				
	DOORS				
	Supply,transport,deliver and install the following mild steel door to Architect's approval				
A	Door overall size 1800 x 2400mm high welded complete with 'UNION Steel door lock Model No. LS-Z306-45AB' or equal and approved and 3 No. tower bolts in Double leaf	NO	2		
B	Ditto size 900 × 2400mm high in single leaf	NO	2		

	Glazing				
C	4mm thick clear sheet glass and glazing with putty to casement door in panes 0.10m - 0.05m square	ITEM	1		
	Painting **or equal and approved; etching primer two undercoats and one coat oil paint full gloss furnish to metal work**				
D	General surfaces of steel doors (both sides measured overall)				
E	Door frames and fittings in wrot Cypress as described in:	SM	17		
F	Ex 50 x 15mm Architraves	LM	40		
G	Ex 20mm Diameter quadrant	LM	40		
H	Ex 15 x 15mm Glazing beads	LM	12		
I	Ex 150 x 50mm Frames with three labours	LM	40		
J	Ditto Transom	LM	5		
	FLUSH DOORS 45mm Thick solid core flush doors mahogany veneered both sides and hardwood lipped on all exposed edges, size 1500 x 2100mm high				
A	in double leaf	NO	2		
B	Ditto size 900 × 2100mm high in single leaf	NO	2		
C	Ditto size 800 × 2100mm high	NO	3		
	Supply and fix the following ironmongery with screws to match 'Union' Catalogue or equal and approved;				
D	2-Lever mortice lock ditto	NO	7		

E	100mm Long stainless steel butt hinges	PIERS	14		
F	40mm Diameter half moon chrome door stops with rawl bolts	NO	9		
	Prepare and apply three coats stained polyurethane varnish from approved sources to:-				
G	Surfaces of woodwork, 0-100mm girth	LM	80		
H	Ditto, 200-300mm girth	LM	40		
I	General surfaces of flush and panel doors	SM	35		
	GLAZING				
J	900 x 300 mm high complete with all beadings	SM	1		
	total carried to summary page 8 of 13				

Item	Description	Unit	Quantity	Rates	Amount
	WINDOWS				
A	Precast concrete window cills size 150 x 50mm one side weathered and throated, bedded and jointed in cement/sand (1:3) mortar mix.	LM	27		
	50 x 25mm and 25 x 25mm RHS frames welded together; 40 x 25mm RHS frames to openable parts including 20 x2mm thick plat bars; 20 x 20mm RHS mild steel to in-built burglar grilles at approximate centres; complete with fixing lugs, brass stay bars, fasteners and permanent vents with 3-ply mosquito gauze at the top; including bedding frames in cement/ sand (1:3) mortar mix and pointing in mastic all round a				
B	Window size 1500 x 2100mm high	NO	18		
	GLAZING				
C	4mm thick clear sheets glass fixed to casement and including putty	SM	57		

D	Prepare and apply three coats of oil paint to general surfaces of metal casement windows internally and externally	SM	114		
	Total carried to Collection page 9 of 13				-
Item	**Description**	**Unit**	**Quantity**	**Rate**	kshs
	FINISHES **EXTERNAL WALL FINISHES** **The contractor shall provide all necessary and strong scaffolding to enable workers access the top of the walling while carrying and sand (1:2:9) respectively.The contractor shall hack the surface of concrete/masonry where necessary in order to provide a surface where the render/plaster wll hold strongly and**				
A	Apply 9mm thick first coat of cement/sand (1:3) plaster and then 3mm thick second coat of cement /lime (1:5) putty steel trowelled smooth to walls including skimming.	SM	344		

	Supply,transport,prepare and apply 'Rock Tuff' or any other approved textured paint to metal general surfaces				
	Silk vinyl emulsion paint to plastered surfaces	SM	362		
	INTERNAL WALL FINISHES				
	The contractor shall provide all necessary and strong scafolding to enable workers access the top part of the walling while carrying out finishing works				
	Gauged plaster comprising of lime,cement and sand (1:2:4) respectively.The plaster shall have a neat vertical finish.The contractor shall hack the surface of the concrete/masonry where necessary in order to provide a surface where the render/plaster will hold strongly and permanently				
A	16mm Thick render to external walls, beams and columns finished with wood float.	SM	31		
B	Extra over fair faced walls for key pointing with cement /sand (1:4) mortar in flush vertical and recessed horizontal joints	SM	123		
C	Painting to Rendered surfaces of external bear	SM	31		
	Total carried to collection page 10 of 13				-

Item	DESCRIPTION	UNIT	QTY	RATE	AMOUNT[KSH
	FLOOR FINISHES				-
	Screed: cement and sand (1:4) on concrete: wood floated finished				
A	32mm thick to receive non slip ceramic tiles (measured separately)	CM	160		
	Supply and fix 'Saj' non-slip ceramic tiles ; to regular pattern ; bedding and jointing in cement mortar (1:4) grouting joints with proprietory grouting laid on cement and sand base (m/s) ;Tenderers to allow for chamfer, corner strips cutting, fixing				
B	Floors generally; 330 x330mm thick	SM	160		
	110mm high ceramic tile skirting with rounded junction with wall finish and coved				
C	junction with floor internal	LM	117		

D	Ceiling board suspended ceiling on timber/metal grid, incl. cornice, throughout office and corridor areas	CM	158		
E	Extra over ceiling for trap door size 600 x 450mm complete with framing.	NO	6		
F	**Cypress prime grade, pressure impregnated** 50x 75mm wide moulded cornice plugged to wall and nailed to ceiling finish.	LM	135		
	Subtotal Brought forward from page 10				
	Brought down from above				
	Carried to Grand Summary page			**Kshs.**	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	FITTINGS AND FIXTURES				
	Reception Counter				
A	Reception counter overall size 2800 x 900 x 1200mm high shaped to details comprising of 20mm thick granite slab worktop fixed onto 20mm thick blockboard, 20mm thick laminated MDF doors, dividing panels, frontal faces with decorations to details.	NO	1		

	Workbenches				
B	Heavy duty workbench size 1800 × 400 ×1100mm with a 20mm thick MDF top and sides and steel metal frame; allow for electrical connections	NO	40		
	Chairs				
C	Standard chair comprising of a steel frame , armrests, upholstered seat cushion and foot caps	NO	125		

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
1	SUBSTRUCTURES				
2	WALLING				
3	ROOFING				
4	DOORS				
5	WINDOWS				
6	FINISHES				
7	FITTINGS AND FIXTURES				

TOTAL CARRIED TO SUMMARY					

0

0

[S]

	PROPOSED CONSTRUCTION OF BASIC ICT DIGITAL HUB				
	Description	Unit	Qnty	Rate	Amoint
	Supply,install,test and commission to BS 7671:2001 Standard the following as described below;				
	LIGHTING INSTALLATIONS				
A	Lighting outlet point comprising wiring in 3x1.5mm sq. single core PVC insulated copper cables drawn in 20 mm diameter heavy gauge PVC conduits concealed in floors and walls and complete with all the necessary accessories				
	i) One way switched	No	27		
	ii) Two way switched	No	0		
B	10A, 500V metal clad switches flush mounted on walls as CRABTREE or approved equivalent.				
	i) One gang two way, Cat. No. 4170	No.	4		
	ii) Two gang two way, Cat. No. 4172	No.	0		
C	**AUTOMATIC SWITCHING**				
D	a) 240V, 63A DP-Pole MCB complete withmounting plastic box, mounting rail andall other accessories as Telemecanique orapproved equivalent:	No.	1		
	b) 5A photocell as Thorn QPK or approved equivalent.	No.	1		
	LIGHTING FITTINGS				
	a) Type - EXIT	No.	2		
	b) 600mm, ceiling louver fitting complete with 4x18W, T8 LED daylight Tube as Osram or approved equivalent.	No.	3		
	c) 1200mm, bare batten complete with Ix16W, T8 LED day light Tube light as Osram or approved equivalent.	No.	19		
	d) 1200mm, lighting fitting complete with Ix18W, T8 LED Tube lamp, day light as Thom Aqua proof or approved equivalent.	No.	1		

	e) Surface mounted bulkhead with die cast aluminium body and opal polycarbonate diffuser, IP65, oval shape with visor complete with8W, LED lamps as Thom Roller or approved equivalent	No.	3	4,500	13,500.00
	vi) LED Mirror strip light to engineer's approval	No.	1		
	TOTAL CARRIED				
	POWER POINTS				
	Description	**Unit**	**Qty**	**Rate**	**Amount**
	Supply,install,test and commission as per BS 7671:2001 the following as described below:				
A	Raw power socket outlet power points wired in Ring Mains using 3 x 2.5 mm2PVC/SC CU cables drawn in 25mmØ HGPVC conduits including all conduitaccessories but excluding plates:				
	a) Twin outle	No	2		
B	Self contained single side EXIT sign with 8Wfluoroscent lamp for non-maintained emergegency lighting for 3hour duration	No	12		
C	13A, moulded ivory white switched socketoutlet plates as MK Range or approvedequivalent as follows:				
D	13A moulded switched socket outlet plates as MK or approve equivalent as follows				
	i) Single switch	No	0		
	ii)Twin switch	No	12		
C	Air conditioning unit power points comprising wiring in 3x4mm2PVC CU cables drawn in 32 mm dia concealed HG PVC conduits	No.	1		
	20A controls switch with neon light and card outlet for itemsabove as MK	No.	1		

D	Comprehensive Earthing to approval by the Engineer	Item	1		
	TOTAL CARRIED				
	Description	Unit	Quant	Rate	Amount (Kshs.)
	ELECTRICAL SERVICES				
A	Lay HG/PVC conduits for electrical services concealed in the building fabric:				
B	a) 20mmØ	No	50		
C	b) 25mmØ	No	25		
D	c) 32mmØ	No	20		
	TOTAL				
	POWER DISTRIBUTION				
	Supply, install, test and commission consumer units/power distribution boardsas that manufactured by Merlin GERIN orequal and approved equivalent asdescribed below:				
	RAW POWER DISTRIBUTION BOARDS				
A	a) 63A, 6-Way SPN+E Consumer Unit.	No.	1		
B	b) SP/DP MCB's for DB above as follows:				
	i) 10A SP MCB	No.	3		
	II) 20A SP MCB	No.	6		
	III)30A SP MCB	No.	8		
	IV)45A SP MCB	No.	0		
	V)TP blanking plates	No.	1		
	TOTAL CARRIED				
	SUB-MAINS AND FEEDER CABLES				
C	16mm 4-C PVC/SWA/PVC copper cable to D8 above c/w appropriate cable lugs				
	i)Cable glands for above cable	LM	25		
	Submains Cable: 2x6.0 mm2 SC/PVC CUcable (red and black) drawn in 32mm-Øconcealed HG PVC conduits complete withall necessary accessories from CLB toConsumer Unit.	LM	25		
	METER BOX; - 500x400x300mm meter box complete with;	NO	1		
	a) 80A cut-out fitting as lucy or approved.	NO	1		

	Cable Loop-in Boxes (CLB): Standard cableloop-in box complete with the followingto engineers' approval	NO	1		
	a) 240V, 63A DP-Pole MCB asschneider or approved equivalentcomplete with mounting rail and allother accessories.	NO	1		
	Trenching: - Trenching at an average depth of 750mm, duct & cable laying,laying and backfilling for the above cableto engineers' approval.	NO	25		
	Total Amount 1 No. ICT HUB for Carried Forward to Next Page				
	LIGHTENING PROTECTION				
	Lightening protection system comprising of;				
	a) 25mmx3mm copper tape.	NO	15		
	b) Copper saddles	NO	4		
	c) 600mm aerial copper rod complete with spikes and base.	NO	1		
	d) Circular 4-way clamps.	NO	4		
	e) Precast inspection chamber Complete with cover	NO	1		
	EARTHING				
	a) 300 x 300 x 300mm concreteearthing chamber complete withconcrete cover.	NO	1		
	b) Earth rod (16mm Ø 1500mm long)with Earth-rod- cable clamp andDriving Head for Earth rod.	NO	1		
	c) 6.0mm² SC/PVC CU cable (yellowgreen) earth lead drawn in 20mm-Ø HG/PVC conduit from the meterboards to the earth pit.	LM	10		
	Allow for testing and commissioning theworks to the Project Manager approval	ITEM	1		
	TOTAL FOR ELECTRICAL INSTALLATIONS CARRIED TO GRAND SUMMARY				

MECHANICAL WORKS

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Prices to be inclusive of V.A.T and all the other necessary government taxes and levies.				
SANITARY FITTINGS				
Supply, deliver and install the following appliances including their support brackets, screws etc. and their connection to water supply, waste/soil drainage and electrical power supply:-				
NOTE: TRADE NAMES				
Where Trade Names are mentioned below, they are an indication of quality. Equivalent and approved brands may be accepted with approval of the Engineer/Architect/Client.				
CERAMIC TOILET				
Squating asian ceramic toilet with a plastic cystern wall hung top	No.	4		
Toilet Flush valve				
General purpose squarting type WC suite as Twyphord 'ORIENTAL' comprising of the following; floor plate in enameled clay with intergral foot treads ref. NOFC9154WH:pan in vitreous china to BS3402	No.	4		

Toilet Roll Holder geral purpose"WC" Complete with chrome plated cover intergral vacuum breaker non-hold-open features and non-return valve, bent concealed flush pipe and rubber pipe connector. The flush valve to be as "DOCOL" or equal and approved	No	4			
Water closet					
Water Closet A Close-coupled WC suite ('S' or 'P'-trap) in approved colour complete with horizontal outlet to BS 3402 with 7.5 litre valveless low level ceramic cistern and fittings including siphon, 15mm diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, dual flush system, inlet connection, chrome-plated lever and heavy plastic seat and cover with metal top fixed (chrome plated) hinges. All to be as IDEAL STANDARD "PLAN"-wc pan model 109.003.34 water closet	NO	4			
Toilet Roll Holder Fully recessed toilet roll holder in vitreous vhina of size 165 x 165mm in approved colour as Ideal Standard Model Cassara Cat N	NO	4			
Robe Hook Double-ended bathroom robe hook, made of AISI 304 stainless steel black finish AS DALI OR APPROVED EQUIVALENT	NO	3			
Toilet Brush and Holder					
Self-closing pillar tap DN 15 with Self-closing cartridge, hydraulically controlled, piston-free design, self-closing, stepless adjustment of flow duration AS europlus OR APPROVED EQUIVALENT	No.	2.00			
WASH HAND BASIN(WHB)					

	Counter top, size 580X485mm with single taps holes,complete with the following: Wash hand basin in white vitreous china oval shape shaped bowl with Chain stay Hole Ref. No.AL4522 WH; Chrome plated cobra PUSH pillar tap 1/2 Chrome plated chain waste Ref. No. CQ5823GA Self rimming basin sealed to unit with building sealant as TWYFORD 11/2 bottle trap as VIEGA 11/2"Plug and chain stay	No.	2		
	1200 x 460 x 6mm thick silver plated plain glass mirror with bevelled edge plugged arid screwed to the wall with 4No. Chrome dome; apped screw as TWYFORD SPECTRUM 2000 accessories Ref. No, PB383XX or approved equivalent	N0	2		
	Urinal flush valve Manual push button actionback inlet top flush valve with 150ml per flush, the valve to have chrome plated outlets with grating outlets	No	3		
	Urinal bowl division Should be white ceramic to be fasten to the wall with stainless steel fasterners. The fitting shall be approved	No	2		
	Disabled Toilet (Twyford Doc M pack)				

Standard water closet, arm rest, grab rails, and wash hand basin complete with all accessories such as trap, angle valve flexible tub.	NO	1		
Foam 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 Starmix or approved equivalent.	No	2		
TOILET ROLL HOLDER Semi-recessed toilet roll holder in vitreous china size 165x165mm as Twyfords Ref. No VC 9806WH or approved equivallent to be installed in staff gents	No.	2		
WC CONNECTORS				
100mm diameter WC connector	NO	4		
TOTAL CARRIED TO COLLECTION PAGE M/5				
TOTAL FOR SANITARY FITTING				

DESCRIPTION	UNIT	QUANTITY		
INTERNAL PLUMBING				
Supply, deliver and install tubing and fittings as described and shown on the drawing.Tenderers must allow for joinings,clipping couplings etc necessary for proper and satisfactory functioning of the system when pricing .The following in PN 20 PPRC Conforming tothe current European standard for PPR installations and to the Engineer's approval, pipe jointing shall be by polyfusion or use of electric coupling. Rates allow for all metal/plastic threaded adaptors where required for the connection of sanitary fixtures,valves,sockets,sliding and fixed joints,support raceways,isolating sheath,elastic material,expansion arms and bends crossovers etc.				
PPR PIPES/HIGH PRESSURE PVC PIPES				
25mm ditto	LM	2		
20mm ditto	LM	25		
EXTRA OVER PPR pipe for the following				
bends/elbows				
25 mm dia threaded female bend/elbow	No	5		
20mm ditto	No	2		

32mm gate valve	No	2		
24mm gate valve	No	1		
Unequal plain Tees				
32 dia Tee	No	8		
25mm ditto	No	2		
32X25mm Reducers	No	6		
25mm pipe unions	No	1		
32mm pipe unions	No	2		
Adaptor/brass threaded				
25mm male	No	12		
25mm female	No	12		
32mm	No	8		
Pipe Sleeve				
100mm diameter heavy duty PVC pipe sleeves for crossing over columns and beams.	LM	2		
Pressure Testing				
Allow for all costs for pressure testing for plumbing piping and issuance of pressure testing certicates	No	1		
Roof Water Storage Tank (10,000L)				
Supply, deliver, and install vertical close end plastic moulded tank with dia 216cm and height 198cm. The tank to be assembled complete with 25mm medium pressure ball valve	No	1		
Ditto but tank of capacity 1,000 Litres. The tank to be mounted on a roof slab	No	1		
Booster water pump of atleast ahead of 10m and flowrate of atleast 1.5L/sec complete	No	1		
TOTAL CARRIED				

	INTERNAL AND EXTENSIONAL DRAINAGE				
	All the drainage pipes to be as key terrain or equal and approved equivalent. Allow for connections to the nearest manhole. UPVC and MUPVC Work. Allow for excavation to adepth not exceeding 1.5m,laying of pipes and returning the fill				
	UPVC AND MUPVC pipework				
	100mm heavy duty golden brown pipe class D	LM	25		
	50mm ditto	LM	25		
	40mm ditto	LM	10		
	32mm ditto	LM	23		
	100X50mm dia floor trap and grating diameter traps	No	4		
	100mm dia floor trap and grating diameter traps bend	No	2		
	100mm ditto	No	2		
	50mm ditto	No	1		
	40mm ditto	No	1		
	32mm ditto	No	2		
	Extra over UPVC and muPVC pipework for the following				
	100mm diameter tee	No	4		
	50mm dia tee	No	4		
	40mm diameter Tee	No	1		

	100mm diameter plug	No	4		
	50mm diameter plug	No	4		
	40 Diameter plug	No	3		
	100X50mm Boss connector	No	1		
	100mm diameter water connector	No	2		
	100mm access double branch	No	1		
	Manhole				
	duty cover, manual depth to be determined on site but to minimum of 600mm	No	3		
	Excavation				
	Trech for 100mm pipe notexceeding 1500mm deep tand average 250mm deep, part return in fill	LM	20		
	Plumbing and Drainage Connections				
	Allow for connection of sanitary fitting to the plumbing and drainage pipework	ITEM	1		
	Testing and Commisioning				
	Allow for testing and commisioning and both drainage and plumbing system	ITEM	1		
	TOTAL				
	CARRIED				

	Supply, deliver, install and commision the following portable fire extinguishers and comforming to BS EN 3/BS 1449				
	BIODIGESTER SYSTEM				
	Supply and install biodigester waste treatment system complete to the satisfaction of the Engineer. The system is expected to treat approximately waste for 200 persons daily complete with grease interceptors Testing and commissioning of the system to the satisfaction	ITEM	1		
	STERILISATION TESTING AND COMMISSIONING				
	Allow for flushing and sterilization of the external water recticulation system as required to the engineers satisfaction	ITEM	1		
	SUMMERY PAGE FOR MECHANICAL WORKS				
1	SANITARY FITTING				
2	INTERNAL PLUMBING				
3	FOUL WATER DRAINAGE & TESTING FOR DRAINAGE				

4	TESTING AND COMMISSIONING FOR PLUMBING WORKS AND DRAINAGE SYSTEM				
	TOTAL FOR MECHANICAL WORKS				

	DESCRIPTION P.C. AND PROVISIONAL SUMS	QTY	UNIT	RATE	SHS
	PRIME COST AND PROVISIONAL SUMS				
	The contractor shall include in his tender the following to be deducted in whole or in part as directed by the project manager				
	Allow a provisional sum of Kenya shillings Three hundred thousand (KES 300,000.00) only for project manager's expenses and documentation				
	Allow a provisional sum of Kenya shillings Three hundred thousand (KES 300,000.00) only for project manager Committees				
	Allow a provisional sum of Kenya shillings Fourty thousand(KES 40,000.00) only for preparation of bill of quantities and architectural designs.				
	Allow a provisional sum of Kenya shillings Two hundred thousands (KES 200,000.00) only for contigencies				
	TOTAL CARRIED TO GRAND SUMMARY				

GRAND SUMMARY

ITEM	DESCRIPTION	For Official Use only	For Tenderer's use only
A	**Bill No. 1 Preliminaries**		
B	**Bills No. 2 Measured Works:** **ICT BLOCK** **ELECTRICAL WORKS** **MECHANICAL WORKS**		
C	**P. C. & Provisional Sums**		
	Sub - Total 0.0003% PPRA LEVY		
TOTAL CARRIED TO FORM OF TENDER: KSHS			

Amount in words: Kenya Shillings ……
……..

Tenderer's Signature ……..
Address …….
…….
Date ……..

Witness Signature ……..

Address …….
…….
Date ……..