

Proposed Construction of Mukuyuni Hospital block - **Particular Preliminaries**

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT(KSHS.)
	<p>PRICING ITEMS OF PRELIMINARIES</p> <p>A Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. Where no price is inserted 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 such costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract. The contractor is advised to read and understand all preliminary items.</p> <p>EMPLOYER</p> <p>B The "Employer" is the CHIEF OFFICER; DEPARTMENT OF HEALTH SERVICES; GOVERNMENT OF MAKUENI COUNTY as defined above whose address unless otherwise notified is P. O. Box 78 - 90300 MAKUENI</p> <p>PROJECT MANAGER</p> <p>C The term "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1.1 of the General Conditions of Contract (GCC) or such person or persons as may be duly authorised to represent him on behalf of the Government.</p> <p>ARCHITECT</p> <p>D The term "Architect" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is The Chief Officer, Infrastructure, Transport and Public Works, P. O. Box 78-90300, MAKUENI.</p> <p>QUANTITY SURVEYOR</p> <p>E The term "Quantity Surveyor" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is The Chief Officer, Infrastructure, Transport and Public Works, P. O. Box 78-90300, MAKUENI.</p>	
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Proposed Construction of Mukuyuni Hospital block - **Particular Preliminaries**

ITEM	DESCRIPTION	AMOUNT(KSHS.)
A	<p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is The Chief Officer, Infrastructure,Transport and Public Works, P. O. Box 78-90300, MAKUENI.</p>	
B	<p>MECHANICAL ENGINEER</p> <p>The term "Mechanical Engineer" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is The Chief Officer, Infrastructure,Transport and Public Works, P. O. Box 78-90300, MAKUENI..</p>	
C	<p>STRUCTURAL ENGINEER</p> <p>The term "Structural Engineer" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is The Chief Officer, Infrastructure,Transport and Public Works, P. O. Box 78-90300, MAKUENI.</p>	
D	<p>FORM OF CONTRACT</p> <p>The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Works (Building and Associated Civil Engineering Works) (2021 Edition) included herein. The Conditions of Contract are also included herein and are numbered from 1 to 20 as set out in pages 87 to 146 of these tender documents. 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</p>	
E	<p>DESCRIPTION OF THE WORKS</p> <p>The works to be carried out under this contract involves: Demolition of Existing Structures on Site, Erection and Completion of a Four Storeyed Building and Associated Electrical and Mechanical and Civil Works</p>	
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ITEM	DESCRIPTION	AMOUNT(KSHS.)
A	<p>PERFORMANCE BOND</p> <p>The Contractor shall submit to the employer a Performance Security Bond in accordance with clause 48.0 of instruction to tenderers and Section 4.2 of the General conditions of contract on award of the contract from an Approved Bank and who will be willing to be bound to the Government in an amount equal to five per cent (5%) of the Contract Sum for the due performances of the Contract up until a date 30 days beyond the date of issue of a Certificate of Practical Completion as certified by the PROJECT MANAGER. No payment on account of the works executed will be made to the contractor until they have submitted the Performance Security Bond to the Employer duly signed, sealed and stamped in the required format.</p>	
B	<p>MEASUREMENTS</p> <p>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 General 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.</p>	
C	<p>LOCATION OF SITE</p> <p>The site is located at Nunguni Town, Kaiti Constituency, Makueni County. 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.</p>	
D	<p>CLEARING AWAY</p> <p>The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager.</p> <p>The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the PROJECT MANAGER.</p>	
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ITEM	DESCRIPTION	AMOUNT(KSHS.)
	<p>CLAIMS</p> <p>A 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 claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claims shall be entertained upon the expiry of the said contract period.</p> <p>PAYMENTS</p> <p>B The tenderer's attention is drawn to the fact that THE GOVERNMENT SHALL NOT MAKE ADVANCE PAYMENTS</p> <p>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</p> <p>C 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 instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of normal activities being carried out by the Client. The Contractor shall allow in his rates any expense he deems necessary by taking such care within the site.</p> <p>BID SECURITY</p> <p>D The contractor shall provide a bid security duly signed, sealed and stamped from an approved Institution in an approved format of required amount.</p> <p>WORKING CONDITIONS</p> <p>E The Contractor shall allow in his rates for any interference that he may encounter in the course of execution 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.</p>	
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ITEM	DESCRIPTION	AMOUNT(KSHS.)
A	<p>SIGNBOARD</p> <p>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.</p>	
B	<p>LABOUR CAMPS</p> <p>The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>	
C	<p>MATERIALS FROM DEMOLITIONS</p> <p>Any materials arising from demolitions and not re-used shall become the property of the government. The Contractor shall allow in his rates the cost of transporting the demolished materials to an approved dumping site by the County Government of Makueni</p>	
D	<p>PRICING RATES</p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>	
E	<p>URGENCY OF THE WORKS</p> <p>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 deems that he/she may incur by having to complete the works within the stipulated contract period.</p>	
F	<p>PAYMENT FOR MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the PROJECT MANAGER. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p>	
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Proposed Construction of Mukuyuni Hospital block - **Particular Preliminaries**

ITEM	DESCRIPTION	AMOUNT(KSHS.)
A	<p>EXISTING SERVICES</p> <p>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.</p> <p>TENDER DOCUMENTS</p> <p>Tender documents are as listed in Clause 6.1 of the Instruction to Tenderers</p> <p>DELIVERY OF TENDER</p> <p>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.</p> <p>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.</p> <p>VALUE ADDED TAX</p> <p>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.</p>	
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Proposed Construction of Mukuyuni Hospital block - **Particular Preliminaries**

ITEM	DESCRIPTION	AMOUNT(KSHS.)
<u>PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT</u>		
A	The following are the insertions to be made in the appendix to the Contract Agreement	
B	Period of Final Measurement	3 months after Practical Completion
C	Defects Liability Period	6 months after Practical Completion
D	Date for Possession	To be agreed with the Project Manager
E	Date for Completion	24 weeks (6 Months) from date of possession
F	Liquidated and Ascertained Damages	At the rate of Kshs. 0.003% of the Contract Price Per Day
G	Period of Interim Payment Certificates	Monthly
H	Period of Honouring Certificates	30 Days
J	Percentage of Certified Value Retained	10%
K	Limit of Retention Fund	5%
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ITEM	DESCRIPTION	AMOUNT(KSHS.)
	<u>COLLECTION</u>	
1	Brought forward from page PP/1	
2	Brought forward from page PP/2	
3	Brought forward from page PP/3	
4	Brought forward from page PP/4	
5	Brought forward from page PP/5	
6	Brought forward from page PP/6	
7	Brought forward from page PP/7	
8	Brought forward from page PP/8	
	PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p style="text-align: center;">GENERAL PRELIMINARIES</p> <p>PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</p> <p>Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.</p> <p>The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.</p>	
	<p>ABBREVIATIONS</p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p><i>C.M.</i> Shall mean cubic metre</p> <p><i>S.M.</i> Shall mean square metre</p> <p><i>L.M.</i> Shall mean linear metre</p> <p><i>MM</i> Shall mean Millimetre</p> <p><i>Kg.</i> Shall mean Kilogramme</p> <p><i>No.</i> Shall mean Number</p> <p><i>Prs.</i> Shall mean Pairs</p> <p><i>B.S.</i> Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England.</p> <p><i>Ditto</i> Shall mean the whole of the preceding description except as qualified in the description in which it occurs.</p> <p><i>m.s.</i> Shall mean measured separately.</p> <p><i>a.b.d</i> Shall mean as before described.</p>	
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ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</p> <p><i>Attendance</i> ; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:-</p> <p>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.</p> <p><i>Fix Only</i>:-</p> <p>"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.</p> <p>PLANT, TOOLS AND VEHICLES</p> <p>B Allow for providing all scaffolding, plant, tools and vehicles required for the work except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p> <p>TRANSPORT</p> <p>C Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p> <p>MATERIALS AND WORKMANSHIP.</p> <p>D All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p>	
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ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p>SIGN FOR MATERIALS SUPPLIED.</p> <p>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</p>	
B	<p>STORAGE OF MATERIALS</p> <p>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.</p>	
C	<p>SAMPLES</p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER. The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>	
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ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p>GOVERNMENT ACTS REGARDING WORKPEOPLE ETC.</p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople. The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the information regarding all such regulations and/or restrictions which may affect the 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>SECURITY OF WORKS ETC.</p> <p>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.</p> <p>PUBLIC AND PRIVATE ROADS.</p> <p>Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER</p> <p>EXISTING PROPERTY</p> <p>The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER</p> <p>VISIT SITE AND EXAMINE DRAWINGS.</p> <p>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.</p>	
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ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p>ACCESS TO SITE AND TEMPORARY ROADS.</p> <p>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</p> <p>AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>B The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p> <p>OFFICE ETC. FOR THE PROJECT MANAGER</p> <p>C The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the type noted in the Particular Preliminaries, 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.</p> <p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</p> <p>D 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.</p>	
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ITEM	DESCRIPTION	AMOUNT (KSHS)
	<p>SANITATION OF THE WORKS</p> <p>A 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</p> <p>SUPERVISION AND WORKING HOURS</p> <p>B The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.</p> <p>PROVISIONAL SUMS.</p> <p>C The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement. Such sums are net and no addition shall be made to them for profit.</p> <p>PRIME COST (OR P.C.) SUMS.</p> <p>D The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement . Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p> <p>PROGRESS CHART.</p> <p>E The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.</p>	
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ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p>ADJUSTMENT OF P.C. SUMS.</p> <p>In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>	
B	<p>ADJUSTMENT OF PROVISIONAL SUMS.</p> <p>In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER'S order added to the Contract Sum. Such work shall be valued, but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>	
C	<p>NOMINATED SUB-CONTRACTORS</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 and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>	
D	<p>DIRECT CONTRACTS</p> <p>Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum in the priced Bills of Quantities will be adjusted as described for P.C. Sums is allowed.</p>	
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ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<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 PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	
B	<p>INSURANCE</p> <p>The Contractor shall insure as required in Conditions No. 30 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.</p>	
C	<p>PROVISIONAL WORK</p> <p>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.</p>	
D	<p>ALTERATIONS TO BILLS, PRICING, ETC.</p> <p>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.</p>	
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ITEM	DESCRIPTION	AMOUNT (KSHS)
	BLASTING OPERATIONS	
A	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.	
	MATERIALS ARISING FROM EXCAVATIONS	
B	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.	
	PROTECTION OF THE WORKS.	
C	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.	
	REMOVAL OF RUBBISH ETC.	
D	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.	
	WORKS TO BE DELIVERED UP CLEAN	
E	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	
	NCA LEVY	
F	The Contractor's attention is drawn to National Construction Authority Act Clause 31 which requires payment by the contractor of a NCA Levy at the rate of 0.5 % of the Contract sum on all contracts of more than Kshs. 5000,000.00 in value.	
	Carried to Collection Page GP/9	-

ITEM	DESCRIPTION	AMOUNT (KSHS)
	<p>GENERAL SPECIFICATION.</p> <p>A For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p> <p>TRAINING LEVY</p> <p>B The Contractor's attention is drawn to National Construction Authority Act Clause 31 which requires payment by the contractor of a Training Levy at the rate of 0.5 % of the Contract sum on all contracts of more than Kshs. 5000,000.00 in value.</p> <p>MATERIALS ON SITE</p> <p>C All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p> <p>HOARDING</p> <p>D The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centres with two 75 x 50 mm timber rails approximately three red and fifty metres. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p> <p>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</p> <p>E The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	
	Carried to Collection Page GP/10	-

ITEM	DESCRIPTION	AMOUNT (KSHS)
	<u>COLLECTION</u>	
	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	

**PROPOSED CONSTRUCTION OF MUKUYUNI
LEVEL IV HOSPITAL BLOCK**

				MUKUYUNI HOSPITAL BLOCK	
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>FOUNDATIONS: SUBSTRUCTURES (All Provisional)</u>				
A	Clear the site of all bushes, shrubs, undergrowth; grub up all trees and burn the arisings.	m ²	651		
	<u>Excavations</u>				
B	Excavate to reduce levels commencing from existing ground level not exceediung 1.5m deep.	m ³	273		
C	Excavate for column bases commencing from reduced level: Not exceeding 1.5m deep.	m ³	151		
D	Excavate for strip foundation trenches commencing fro reduced level: not exceeding 1.5m deep.	m ³	99		
D	Excavate for column bases Exceeding 1.5m but : Not exceeding 3.0m deep.	m ³	125		
E	Excavate for strip foundation trenhes exceeding 1.5m Deep but: not exceeding 3,0m deep.	m ³	83		
F	Extra over all kinds of excavations irrespective of depth for excavating in all categories of rock.	m ³	88		
G	Return, fill and ram selected excavated materials around foundations and around the retaining wall.	m ³	204		
	<u>Surplus</u>				
H	Remove surplus soil from site to a place approved by the local authority or spread on site as directed.	m ³	614		
	<u>Planking and Strutting</u>				
	Labour and Materials				
J	Allow for planking and Strutting to sides of excavations for keeping bottoms free from fallen materials.	Item			
CARRIED FORWARD					-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<i>Brought Forward</i>				-
	<u>Disposal of Water</u>				
	Labour and Materials				
A	Allow for keeping excavations free from mud and all water by pumping, bailing or other approved means.	Item			
	<u>Mass concrete mix (1:4:8) : in</u>				
B	50mm Thick blinding under strip foundations	m ²	84		
C	Ditto under column bases	m ²	126		
	<u>Vibrated reinforced insitu concrete class 25/20;</u>				
	<u>minimum cube crushing strength of 25N/mm² to</u>				
	<u>BS8110; in</u>				
D	Column Bases	m ³	42		
E	Strip beam for the X-Ray room	m ³	3		
F	Strip foundation for sub-walling	m ³	17		
G	Substructural columns	m ³	9		
	Concrete walling, 200mm thick	m ²	47		
H	150mm Thick ground floor slab	m ²	522		
	<u>Mesh Fabric reinforcement to B.S. 4483</u>				
I	Reference A142; mesh 200 x 200mm weight 2.22kgs per square meter (measured net - no allowance made for laps); including bends, tying wire and spacer blocks.	m ²	522		
	Reinforcement				
	<u>Supply and fix High tensile steel reinforcements bar in structural concrete work including cutting, bending, hoisting, tying wire, spacing blocks and supporting all in position as required all to BS 4461</u>				
J	8mm Bars	kg	219		
K	10mm Bars	kg	326		
L	12mm bars	kg	669		
M	16mm bars	Kg	2,002		
N	20mm bars	Kg	652		
CARRIED FORWARD					-

MUKUYUNI HOSPITAL BLOCK					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<i>Brought Forward</i>				-
	<u>Maine ply formwork: to</u>				
A	Columns bases	m ²	99		
	concrete wall	m ²	94		
B	Strip footing	m ²	55		
C	Substructural Columns	m ²	115		
E	Edge of suspended slab, 75-150mm girth	m	111		
	<u>Natural stone walling to BS5390 bedded and jointed in cement / sand (1:4) mortar with minimum stone crushing strength of 10N/mm²</u>				
D	200mm walling	m ²	332		
	Hardcore fill				
E	Back filling with imported murram	m ³	187		
F	Hardcore fill in approved inert material; 300mm thick; well watered and compacted in 150mm thick (maximum) layers	m ²	475		
	<u>Blinding</u>				
G	50 mm thick approved quarry dust blinding to surfaces of hardcore.	m ²	500		
CARRIED FORWARD					-

MUKUYUNI HOSPITAL BLOCK					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<i>Brought Forward</i>				-
	<u>Anti-termite treatment</u>				
A	GLADIATOR anti-termite chemical treatment: applied by approved professional pest control specialist: applied strictly in accordance with the manufacturer's instructions: 10 year guarantee.	m ²	522		
	<u>DPM</u>				
B	Guage 1000 polythene damp proof membrane measured net; no allowance for laps.	m ²	522		
	<u>Plinth</u>				
C	15mm thick cement and sand (1:3) render to plinth to receive bituminous paint externally	m ²	50		
D	Three coats of Bituminous paint to rendered plinth surfaces	m ²	50		
E	Supply and fix 600 x 600 x 50mm thick precast concrete paving slabs jointed with cement sand (1:3) mortar laid on 50mm thick sand blinding	m ²	68		-
TOTAL FOUNDATIONS/SUBSTRUCTURE CARRIED TO GRAND SUMMARY					-

ITEM	DESCRIPTION	UNIT	QTY	MA KUMI HOSI DAN BLOK (S)	UNIT HOSI DAN BLOK (S)
<u>ELEMENT NO. 1: R.C. SUPERSTRUCTURE</u>					
<u>CONCRETE WORKS</u>					
<u>Marine Ply Sawn formwork: to</u>					
A	Suspended floor slab	m ²	467		
B	Sides and soffites of beams	m ²	345		
C	Columns; vertical sides	m ²	150		
D	Concrete wall for the X-Ray room	m ²	54		
E	Edge of suspended slab, 75-150mm girth	m	99		
<u>Staircases and ramp</u>					
F	Soffites of stairs	m ²	10		
G	Soffites of landing	m ²	5		
H	Risers and steps, 75-150mm girth	m	48		
I	Edges of stairs' waists; 225-300mm girth	m	8		
J	Soffites of ramp	m ²	0		
K	Edges of ramp's waists; 225-300mm girth	m	0		
<u>Supply and fix steel bar in structural concrete work including all cutting, bending, hoisting, tying wire, spacing blocks and supporting all in position as necessary.</u>					
L	8mm Bars	kg	1,820		
M	10mm Bars	kg	6,667		
N	12mm Bars	kg	1,340		
O	16mm Bars	kg	3,402		
P	20mm Bars	kg	3,820		
<u>Vibrated reinforced insitu concrete 25/20; minimum cube crushing of 25N/mm² to BS8110; in</u>					
Q	150mm Thick Suspended floor	m ²	467		
R	175mm Thick suspended ramp	m ²	0		
S	200mm Thick concrete wall	m ²	54		
T	Beams and lintols	m ³	29		
U	Columns	m ³	12		
V	Stairs	m ³	1		
W	150mm Thick landing	m ²	5		
TOTAL R.C. CARRIED TO GROUND FLOOR SUMMARY					-

ITEM	DESCRIPTION	UNIT	QTY	MA	UNI	HO	SI	DA	IN	BL	OK	SHS)
	<u>ELEMENT NO. 2: WALLS</u>											
	<u>External Walls</u>											
	<u>Machine cut natural stone walling bedded in cement and sand mortar (1:3) with minimum stone crushing strength of 7N/mm²</u>											
A	<u>External</u> 200 mm thick walls:	m ²	145									
	<u>Internal</u>											
B	<u>Natural stone walls: machine cut: bedded and jointed in cement and sand (1:3) Mortar</u> 200mm Thick Walls	m ²	287									
C	150mm Thick Walls	m ²	109									
	<u>Bituminous hessian base to BS 743 type A: or other equal approved damp-proof course: in cement/ sand (1:3) mortar</u>											
D	200mm wide	m	186									
E	150mm wide	m	46									
	<u>WALL FINISHES :</u>											
F	<u>15mm cement sand(1:3) render as before described to;</u> Walling externally	m ²	160									
	<u>Plaster: 12mm cement/lime putty/ sand: steel trowelled: on masonry or concrete: to</u>											
G	Concrete or masonry surfaces internally	m ²	717									
	<u>Prepare surfcases: apply three coats weatherguard paint as before described on;</u>											
H	Rendered surfaces externally	m ²	160									
	<u>Prepare surfcases: apply three coats first quality washable paint as before described on;</u>											
I	Plastered surfaces internally as before described	m ²	717									
TOTAL WALLS CARRIED TO GROUND FLOOR SUMMARY												-

ITEM	DESCRIPTION	UNIT	QTY	MARK	UNIT	HSN	IN	BLOCKS	(S)
<u>ELEMENT NO. 3: DOORS</u>									
<u>Mild Steel doors</u>									
A	Supply and install Standard mild steel casement purpose made door overall size 900x2400mm High complete with and including all necessary accessories primed once in red oxide to detail	1	NO						
B	Ditto double leaf door size 1500x2400mm High	4	NO						
<u>Mahogany in :</u>									
C	200x 50mm once rebated frame plugged	m	108						
D	150x 50mm once rebated frame but not plugged	m	119						
E	40 x 25mm splayed architrave	m	227						
F	15 x 15mm quadrant beading	m	227						
<u>Flush Door</u>									
<u>45mm thick solid core pre-formed mahogany flush door; BS 459 Part 2 Mahogany veneered both sides and lipped on all edges.</u>									
G	Solid core 900x2100mm with translucent fanlight to detail	nr	26						
H	Ditto but double door size 1800x2100mm High	nr	8						
<u>Glazing</u>									
J	6mm thick one way glass in panes between 0.5-1.0sm fixed with putty	m ²	10						
<u>Prepare and apply one coat of aluminium wood primer on timber surfaces in contact with concrete or masonry</u>									
K	Over 100 but not exceeding 200mm girth	m	108						
L	Ditto but not exceeding 100mm girth	m	119						
<u>Painting</u>									
<u>Prepare and apply three coats clear polyurethane varnish to:</u>									
M	Hardwood architraves & beadings not exceeding 100mm girth	m	227						
N	General surfaces of timber members 100 to 200mm girth including staining to approval	m	227						
P	General surfaces of timber doors including staining to approval	m ²	138						
<u>Supply and fix the following ironmongery as per "UNION" catalogue including for matching screws and all labours in connection therewith:</u>									
Q	3-lever mortice lock complete with SAA handles and furniture	nr	6						
R	2-lever mortice lock complete with SAA handles and furniture.	nr	26						
CARRIED FORWARD									

ITEM	DESCRIPTION	UNIT	QTY	MARKET PRICE	UNIT PRICE	TOTAL PRICE	TAXES
	BROUGHT FORWARD						-
A	Half moon brass finished rubber door stop plugged	nr	38				
B	100mm heavy duty brass finished door hinges	prs	39				
C	150mm long x 15mm diameter brass plated handle	nr	32				
D	150mm heavy duty brass finished double swing door hinges	prs	9				
E	Indicator bolts	nr	6				
F	Door signage plates	nr	12				
G	Heavy duty door closers	nr	24				
	<u>Lead Lined X-Ray/ CT Room steel Door</u>						
	<u>Supply and install CT room protective radiation light X-Rya shielding automatic sliding lead door as per specialist specifications and approval</u>						-
H	Lead lined Sliding door size 1300 x 2100mm high, with 5 lever steel lock (m.s) all welded	nr		-			-
I	Sliding gear for above door as manufactured by FAFELE or equal and approved	nr		-			-
J	Lead Lined Door size 900 x 2100mm high including four pairs 100mm long butt hinges as manufactured by "UNION" or equal and approved	nr		-			-
K	1000 x 800 x 10mm thick lead glass x-ray glass	nr		-			-
L	Leaded film cassette passbox size 24 x 22.5 x 24 inches code BK-9071 as manufactured by "BK X-Ray Equipment Co.Ltd" India or equal and approved	nr		-			-
M	Dark room safe light code BK-6065 as manufactured by BK-X Ray equipment Co. ltd India or equal and approved	nr		-			-
TOTAL DOORS CARRIED TO GROUND FLOOR SUMMARY							-

ITEM	DESCRIPTION	UNIT	QTY	MR	UNIT	HS	IN	BLOCKS	(S)
	<u>ELEMENT NO. 3: WINDOWS</u>								
	<u>Supply and fix standard composite section steel casement windows fabricated in 4mm thick "Z" and angle sections, 25 x 4mm flat burglar proof bars from an approved steel manufacturer, fixed light in 4mm thick clear sheet glass infill; permanent vents along top full lengths; fixed with lugs built into concrete or blockwork; pointed externally in mastic oil and finished in sprayed metal paint to approval.</u>								
A	Window size 3300 x 1500mm high overall	nr	3						
B	Window size 3400 x 1500mm high overall	nr	7						
C	Window size 1500 x 1500mm high overall	nr	4						
D	Window size 900 x 900mm high overall	nr	4						
E	Window size 600 x 600mm high overall	nr	13						
	<u>4mm thick float clear glass and glazing to metal with and including putty glazing compound</u>								
F	In panes of any size	m ²	60						
G	Ditto but in obscure glass	m ²	8						
	<u>Approved pre-cast concrete cill: bedded and jointed in cement (sand (1:3) mortar: pointed in matching coloured cement</u>								
H	175 x 25mm Thick cill; once weathered and throated	m	54						
	Painting and decoration								
	Prepare and apply one under coat and two finishing gloss oil paint to;								
J	General surfaces of metal (windows)	m ²	119						
	<u>Aluminium Windows to Architects detail</u>								
	<u>Natural /Anodized/ Powder coated aluminium sections from Booth Extrusions Ltd: comprising of 75x50mm frame, 25x25mm beading, 25mm wide rubbers gasket including cutting, riveting and fixing into position</u>								
K	Aluminium sliding window size 1800 X 1500mm to detail	nr	1						
L	Aluminium sliding window size 1500 X 1500mm to detail	nr	2						
	<u>Glazing</u>								
M	6mm thick one way glass in panes between 0.5-1.0sm fixed with putty	sm	7						
N	Ditto but obscure glass ditto	sm				-			-
	<u>Supply and fix X-Ray CT Room medical hospital radiation lead lined window to specialist specifications</u>								-
P	Lead window overall size 1800 x 450mm high	nr				-			-
Q	Lead window overall size 300 x 450mm high	nr				-			-
TOTAL WINDOWS CARRIED TO GROUND FLOOR SUMMARY									-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>ELEMENT NO. 4: FINISHES</u>			MUKUYUNI HOSPITAL BLOCK	
	<u>FLOOR FINISH</u>				
A	32mm thick screed cement and sand (1:3): Finished smooth	m ²	475		-
B	300X300X8mm Thick ceramic tiles as 'SAJ CERAMIC' or other equal and approved bedded and jointed in cement and sand (1:3) mortar and flush pointed with white cement	m ²			-
C	40mm thick polished Terrazzo floor finish including cement and sand (1:3) backing	m ²			-
	Stairs and Ramp Finishes				-
	<u>Terrazo paving as before described to;</u>				-
D	Landings	m ²			-
E	Risers and steps, 75-150mm girth	m			-
F	Edges of stairs' waists; 225-300mm girth	m			-
G	Plastic dividing strip as before described	m			-
H	Non-slip carrundum strip	m			-
CARRIED FORWARD					-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<i>Brought Forward</i>			MUKUYUNI HOSPITAL BLOCK	-
	<u>ELEMENT NO. 4: FINISHES CONT'D</u>				
	<u>Staircases and Ramp railing</u>				
A	Balustrading; purpose made: all welded; mild steel; comprising 75mm external diameter (CHS) hand rail; 25 x 25mm (SHS) mid rails with 10 x 10mm infills to pattern; 900mm high balusters comprising 25 x 25mm SHS; with one end cranked and built into reinforced concrete (m/s) at 845mm centers; 410mm high, 25 x 25mm (SHS) infills both ends welded to mid rails at 140mm centers: all as per architect's detail; spray painted.	m		0	-
	<u>Ceiling</u>				-
	<u>Plaster: 12mm cement/lime putty/ sand: steel trowelled: on concrete ceiling as before described</u>				-
B	Soffitees of ceiling, beams including side surfaces	m ²	467		-
	<u>Prepare surfcases: apply three coats first quality washable paint as before described on;</u>				-
C	Soffitees of ceiling, beams including side surfaces	m ²	467		-
	<u>Water tank Base</u>				-
D	Construct 2800mm diameter water tank base,600mm high of 200mm thick masonry walling with 12mm thick plaster painted with bituminous paint, 300mm thick harcore filling, 50mm thick sand blinding and 100mm thick concrete class 20 slab smooth finished with 20mm thick cement sand screed and painted in black bituminous paint	1	NO		-
	<u>Water Tank</u>				-
E	Supply and install 10,000 Litres plastic water tank as "ROTO or KENTANK" complete with automatic ball valve and 3/4" Peglar tap all to approval	1	NO	-	-
TOTAL FINISHES CARRIED TO GROUND FLOOR SUMMARY					-

BILL 2 - GROUND FLOOR SUMMARY

MUKUYUNI HOSPITAL BLOCK

Element	Description			Page No	Amount
1	SUBSTRUCTURE				-
2	R.C. SUPERSTRUCTURE				-
3	WALLS				-
4	DOORS				-
5	WINDOWS				-
6	FINISHES				-
	TOTAL GROUND FLOOR TO GRAND SUMMARY				-

MUKUYUNI LEVEL IV HOSPITAL GROUND FLOOR

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
				MUKUYUNI	HOSPITAL BLOCK
	<u>ELECTRICAL WORKS</u>				
	<i>Supply, install, test and commission the following</i>				
A	Lighting points wired in 3x1.5mm sq sc pvc copper cables	77	NO		
B	<u>10A lighting switches White type as MK range or</u>				
	(i) One gang two way	20	NO		
	(ii) Two gang one way	10	NO		
	<u>Lighting fittings complete with appropriate lamps as follows:</u>				
C	4ft 18W LED complete Fluorescent fitting day light T8 with polycarbonate diffuser As Tronic or an approved	45	NO		
D	Outdoor 50W LED IP65 security floodlight as Tronic or approved equivalent	4	NO		
E	Water and moisture proof led light day light 12 W	20	NO		
F	20W LED day light B22(Pin) as Tronic or approved equivalent	8	NO		
G	20A photocell for security lights	1	NO		
	<u>Socket/power Points</u>				
H	Socket outlet points wired in 3x2.5mm sq. SC PVC copper cables concealed in 25mm diameter HG PVC conduits including all accessories but without the sockets	27	NO		
I	13A twin switched socket outlet and all the accessories mounted on the walls.	27	NO		
J	Instantaneous water heater power point comprising wiring in 3x4mm ² SC Copper Cables drawn in 25mm Ø HG PVC conduits complete with all necessary accessories but excluding the DP switch.	2	NO		
K	20A plastic molded switched DP switch with neon light as Tronic or approved equivalent	2	NO		
L	3-phase 4-core copper FRLS cable, 35mm ² , 415 V, fire-resistant low smoke insulation, complete with terminations, for dedicated X-ray machine supply.	10	LM		
M	Rigid metallic conduit/trunking, 50 mm dia., galvanized steel, including bends, junction boxes, saddles, and fixing clips, for protection and routing of X-ray machine cable.	8	LM		
	TOTAL CARRIED FORWARD				-

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	TOTAL BROUGHT FORWARD			MUKUYUNI HOSPITAL BLOCK	-
A	200A 4 pole MCCB breaking capacity 25kA as TMAX T7 ABB or similar approved	1	NO		
B	6 Way TPN Distribution Board flush mounted as havel or an approved equivalent c/w tripple pole 100A MCB	3	NO		
	(i) 100A TP MCCB for Xray machine protection	1	NO		
	(i) 32A SP MCB	4	NO		
	(ii) 20A SP MCB	2	NO		
	(iii) 10A SP MCB	4	NO		
	(iv) Blanking strips	5	NO		
P	50mm sq. 4 core armored CU/XLPE/SWA/PVC as EA cables or similar approved equivalent	50	LM		
Q	Underground cable trenching, sifting, laying and backfilling (for the above cable, from power house to the hospital block)	45	LM		
R	10.0mm sq. S/C Stranded, PVC insulated yellow/green main earthing cable (to be connected to the armour of the supplying cable on both ends)	8	LM		
S	Cable loop in box T shape to MOW DRG Complete with lucy connectors and all other accessories	2	NO		
	<u>specialised outlet points and accessories</u>				
T	TV outlet complete 32mm dia conduit only and draw wire	2	NO		
U	Nurse call point outlet complete with 20mm dia conduit only and draw wire	1	NO		
V	CCTV camera point complete with 25mm conduit only and draw wire	7	NO		
	Sub Total for electrical works				-

PRIME COST AND PROVISIONAL SUMS

MUKUYUNI HOSPITAL BLOCK

Element	Description		Page No	Amount
	PRIME COST SUMS & PROVISIONAL SUMS			
1	ALLOW FOR A PRIME COST SUM OF KENYA SHILLINGS ONE MILLION FOR THE INSTALLATION OF MECHANICAL BUILDING SERVICES WORKS INCLUDING FOUL DRAINAGE WORKS			1,000,000.00
2	ALLOW A PROVISIONAL SUM OF KENYA SHILLINGS FIVE HUNDRED THOUSAND FOR TECHNICAL SUPERVISION			500,000.00
3	ALLOW A PROVISIONAL SUM OF KENYA SHILLINGS FIVE HUNDRED THOUSAND ONLY FOR CONTINGENCIES			500,000.00
	TOTAL FOR PRIME COST AND PROVISIONAL SUMS CARRIED TO MAIN			2,000,000.00

PC&S

MUKUYUNI HOSPITAL BLOCK - MAIN SUMMARY		MUKUYUNI HOSPITAL BLOCK		
Element	Description		Page No	Amount
1	PARTCULAR PRELIMINARIES			
2	GENERAL PRELIMINARIES			
3	GROUND FLOOR BUILDERS WORK			
4	ELECTRICAL WORKS			
	SUB-TOTAL			
	ADD 16% VAT ADD 0.03% Public Procurement Capacity Building levy order 2023 pursuant to PPRA Circular No.1 of 2024			
5	PRIME COST AND PROVISIONAL SUMS		PC SUMM	2,000,000.00
	TOTAL CARRIED TO GRAND SUMMARY			