



[Simplifying Trade Processes for Kenya's Competitiveness](#)
KENYA TRADE NETWORK AGENCY (KENTRADE)
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ADDENDUM No I

TENDER NO. KTNA/OT/09/2020-2021

**PROPOSED OFFICE PARTITIONING AND REFURBISHMENT WORKS
TO EXISTING OFFICE SPACE ON 1ST FLOOR AT THE KENYA PORTS
AUTHORITY, INLAND CONTAINER DEPOT NAIROBI (ICDN).**

NO	DESCRIPTION
I	<i>This is to share The Bills of Quantity that were inadvertently left out in the Tender Invitation Published on our Website and the PPIP Portal.</i>

The addendum & clarification form part of the bidding document and is binding on all bidders. All other terms and conditions of the tender remain the same.

CHIEF EXECUTIVE OFFICER

BILLS OF QUANTITIES

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	K.SHS
	<p><u>PARTICULAR PRELIMINARIES</u></p> <p>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.</p> <p>B DESCRIPTION OF THE WORKS The PROPOSED works to be carried out under this contract involves; office re-design for partitioning to create new office space; refurbishment of existing offices; floor finishes; doors and venetian window blinds; including associated electrical installations and mechanical installations as Proposed Office Partitioning and Refurbishment Works to existing Office Space on the 1st Floor at the Kenya Ports Authority, Inland Container Depot Nairobi (ICDN)</p> <p>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 22 of the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with Clause 22 of the</p> <p>D LOCATION OF SITE The site of the proposed works is located at Kenya Ports Authority - Inland Container Depot Nairobi (ICDN). 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> <p>E SIGNING OF THE TENDER DOCUMENTS The bidder shall append his / her signature and / or company ‘s rubberstamp on the tender document.</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
<p>A</p>	<p>DEMOLITIONS AND ALTERATIONS</p> <p>The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc as directed by the Project Manager and</p> <p>as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Project Manager</p> <p>The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described.</p> <p>Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carted away from site.</p> <p>The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use during their removal unless it is certified by the Project Manager that such damage or breakage was inevitable as a result of the condition of the item concerned</p> <p>B</p> <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> <p>C</p> <p>CLAIMS</p> <p>It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contract period.</p>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	K.SHS
<p>A</p> <p>PAYMENTS</p> <p>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 23 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</p> <p>B</p> <p>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</p> <p>The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities being carried out by the Client. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.</p> <p>C</p> <p>WORKING CONDITIONS</p> <p>The Contractor shall allow in his rates for any interference that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the facility will be operating as usual during the course of the contract.</p> <p>D</p> <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> <p>E</p> <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> <p>F</p> <p>MATERIALS FROM DEMOLITIONS</p> <p>Any materials arising from demolitions and not re-used shall become the property of the Employer. The Contractor shall allow in his rates the cost of transporting the demolished materials to the Employer,</p>		
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
<p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>E</p> <p>F</p>	<p>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.</p> <p>SECURITY The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.</p> <p>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.</p> <p>The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.</p> <p>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.</p> <p>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.</p> <p>BID SECURITY The Bidder shall furnish, as part of his bid, a security as specified in the tender advertisement.</p> <p>The bid security shall, at the bidder’s option, be in the form of a certified cheque, bank draft, standby letter of credit or guarantee from a reputable bank located in Kenya or foreign bank which has been determined by the bidder to be acceptable to the Government. The format of the bank guarantee shall be in accordance with the sample forms of bid security included in the post qualification forms, other formats may be permitted, subject to the prior approval of the Government. Letters of credit, bank Guarantees issued as surety for the bid shall be valid for a period of One Hundred and Fifty (150) days from the date of Tender Opening.</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
<p>A</p> <p>PERFORMANCE BOND</p> <p>A bond of 5% of the contract sum will be required in accordance with clause 6.00 (as amended) on award of contract of the Instructions to Tenderer's. No payment on account for the works executed will be made to the contractor until he has submitted the Performance Bond to the Project Manager duly signed, sealed and stamped from an approved Bank.</p> <p>B</p> <p>TENDER DOCUMENTS</p> <p>Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page STD/8</p> <p>A</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>C</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. The Contractor should therefore include allowance in his rates and prices for VAT and any other Government taxes currently in force.</p> <p>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 be refundable 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.</p> <p>NB: VAT SHALL be added at the Grand summary page (GS/1)</p>		
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
	<u>SPECIAL PRELIMINARIES</u>	
	<u>PROJECT MANAGEMENT EXPENSES</u>	
A	Provide a provisional sum of Kenya Shillings Five Hundred Thousand (Kshs 500,000.00) only for provision of necessary P.M.'s stationery and associated expenses as directed	500,000.00
B	Allow for Contractor's profit and overheads (----- %)	
C	Provide mobile phone airtime & site visit allowances worth Kenya Shillings Five Thousand (Kshs 5,000.00) only per person per calender month for Six (6No.) Officers for the duration of the contract period.	120,000.00
D	Allow for Contractor's profit and overheads (----- %)	
E	<u>Transport</u> The Contractor shall provide for transportation during site trips i.e. from the State Department of Public Works, Nairobi Regional Office to the Site and Back to the State Department of Public Works, Nairobi Regional Office. Reimbursement to the Contractor for providing the transport services will be based per trip to the site and back during the currency of the contract at the rate as here below to be inserted.	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
A	<p><u>PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT</u></p> <p>The following are the insertions to be made in the appendix to the Contract Agreement: -</p> <p>Period of Final Measurement 3 Months From Practical completion</p> <p>Defects Liability Period 6 Months from Practical completion</p> <p>Date for Possession To be agreed with the Project Manager</p> <p>Date for Completion ...12... Weeks from date of Possession</p> <p>Liquidated and Ascertained At the rate of Kshs.. 35,000... per week or part thereof</p> <p>Prime cost sums for which The Contractor desires to tender</p> <p>Period of Interim Certificates Monthly</p> <p>Period of Honouring Certificates 30 days</p> <p>Percentage of Certified Value Retained 10%</p> <p>Limit of Retention Fund 5%</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
	<p style="text-align: center;"><u>COLLECTION</u></p> <p style="text-align: center;">Brought forward from page PP/1</p> <p style="text-align: center;">Brought forward from page PP/2</p> <p style="text-align: center;">Brought forward from page PP/3</p> <p style="text-align: center;">Brought forward from page PP/4</p> <p style="text-align: center;">Brought forward from page PP/5</p> <p style="text-align: center;">Brought forward from page PP/6</p> <p style="text-align: center;">Brought forward from page PP/7</p>	
	TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO SUMMARY OF PRELIMINARIES	

GENERAL PRELIMINARIES

ITEM	DESCRIPTION	
	<p>GENERAL PRELIMINARIES</p> <p>A. PRICING 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>B. ABBREVIATIONS</p> <p>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.</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>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
<p>A.</p>	<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>B. EMPLOYER</p> <p>The "Employer" is: The Chief Executive Officer, Kenya Trade Network Agency (KENTRADE)</p> <p>The term "Employer" and "Government" wherever used in the contract document shall be synonymous</p> <p>C. PROJECT MANAGER</p> <p>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 or such person or persons as may be duly authorised to represent him on behalf of the Government.</p> <p>D. ARCHITECT</p> <p>The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works Officer, Nairobi Region - State Department of Public Works, P.O. Box 42267, NAIROBI.</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
<p>A</p> <p>QUANTITY SURVEYOR</p> <p>The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works Officer, Nairobi Region - State Department of Public Works, P.O. Box 42267, NAIROBI.</p> <p>B</p> <p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works Officer, Nairobi Region - State Department of Public Works, P.O. Box 42267, NAIROBI.</p> <p>C</p> <p>MECHANICAL ENGINEER</p> <p>The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works Officer, Nairobi Region - State Department of Public Works, P.O. Box 42267, NAIROBI.</p> <p>D</p> <p>STRUCTURAL ENGINEER</p> <p>The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Regional Works Officer, Nairobi Region - State Department of Public Works, P.O. Box 42267, NAIROBI.</p> <p>E</p> <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 Building Works(2000 Edition) included herein</p> <p>The Conditions of Contract are also included herein</p> <p><i>Conditions of Contract</i></p> <p>These are numbered from 1 to 37 as set out in pages 18 to 38 of these tender documents.</p> <p>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>		
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
A	<p>BOND.</p> <p>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.</p> <p>B PLANT, TOOLS AND VEHICLES</p> <p>Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p> <p>C TRANSPORT.</p> <p>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>D MATERIALS AND WORKMANSHIP.</p> <p>All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also 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.</p> <p>E 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>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
<p>A</p> <p>B</p> <p>C</p>	<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 Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p> <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 Roads, Housing and Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p> <p>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.</p> <p>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.</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
<p>A</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>B</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>C</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>D</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> <p>E</p> <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 The Contractor should also allow for relocating existing fence (approx. 30 metres long).</p>		
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
A	AREA TO BE OCCUPIED BY THE CONTRACTOR	
	<p>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p>	
B	OFFICE ETC. FOR THE PROJECT MANAGER (NOT APPLICABLE)	
	<p>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.</p>	
C	WATER AND ELECTRICITY SUPPLY FOR THE WORKS	
	<p>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>	
D	SANITATION OF THE WORKS	
	<p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
<p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>C.</p>	<p>SUPERVISION AND WORKING HOURS</p> <p>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>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</p> <p>PRIME COST (OR P.C.) SUMS.</p> <p>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>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> <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"</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
<p>A</p>	<p>ADJUSTMENT OF P.C. SUMS. Ctd.....</p> <p>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> <p>B</p> <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 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.</p> <p>C</p> <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> <p>D</p> <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 the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	
<p>A</p> <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> <p>B</p> <p>INSURANCE</p> <p>The Contractor shall insure as required in Clause 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> <p>C</p> <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> <p>D</p> <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>		
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
<p>A</p> <p>BLASTING OPERATIONS</p> <p>Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p> <p>B</p> <p>MATERIALS ARISING FROM EXCAVATIONS</p> <p>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.</p> <p>C</p> <p>PROTECTION OF THE WORKS.</p> <p>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.</p> <p>D</p> <p>REMOVAL OF RUBBISH ETC.</p> <p>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.</p> <p>E</p> <p>WORKS TO BE DELIVERED UP CLEAN</p> <p>Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER</p>		
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
<p>A.</p> <p>GENERAL SPECIFICATION.</p> <p>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.</p> <p>B.</p> <p>TRAINING LEVY</p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p> <p>C.</p> <p>MATERIALS ON SITE</p> <p>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>D.</p> <p>HOARDING</p> <p>The Contractor shall enclose all the site under construction with a hoarding 2400 mm high consisting of iron sheets gauge 30 on 100 x 50 mm 2nd grade treated sawn cypress timber posts firmly secured at 1800 mm centres with two 75 x 50 mm 2nd grade treated sawn cypress timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p> <p>E.</p> <p>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</p> <p>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>		
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
	<p style="text-align: center;"><u>COLLECTION</u></p> <p>Brought Forward From Page GP/ 1</p> <p>Brought Forward From Page GP/ 2</p> <p>Brought Forward From Page GP/ 3</p> <p>Brought Forward From Page GP/ 4</p> <p>Brought Forward From Page GP/ 5</p> <p>Brought Forward From Page GP/ 6</p> <p>Brought Forward From Page GP/ 7</p> <p>Brought Forward From Page GP/ 8</p> <p>Brought Forward From Page GP/ 9</p> <p>Brought Forward From Page GP/ 10</p> <p>Brought Forward From Page GP/ 11</p> <p>Brought Forward From Page GP/ 12</p>	
	<p style="text-align: center;">TOTAL FOR GENERAL PRELIMINARIES CARRIED TO SUMMARY OF PRELIMINARIES</p>	

MEASURED WORKS

PROPOSED OFFICE PARTITIONING AND REFURBISHMENT WORKS TO EXISTING OFFICE SPACE ON THE 1ST FLOOR AT THE KENYA PORTS AUTHORITY, INLAND CONTAINER DEPOT NAIROBI (ICDN)

[illegible]

PROPOSED OFFICE PARTITIONING AND REFURBISHMENT WORKS TO EXISTING OFFICE SPACE ON THE 1ST FLOOR AT THE KENYA PORTS AUTHORITY, INLAND CONTAINER DEPOT NAIROBI (ICDN)

[illegible]

PROPOSED OFFICE PARTITIONING AND REFURBISHMENT WORKS TO EXISTING OFFICE SPACE ON
THE 1ST FLOOR AT THE KENYA PORTS AUTHORITY, INLAND CONTAINER DEPOT NAIROBI (ICDN)

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>PARTITIONS</u>				
	<u>Gypsum Wall Partitions</u>				
A	Supply, assemble and fix gypsum board partitions in panels consisting of steel studs at 600mm centers both ways with syrofoam infill; rawl bolted onto concrete floors, infilled with 12.5mm thick gypsum boards on both sides; all including appropriate fixing brackets and all other accessories; all in accordance with the manufacturer's recommendation; as per the Project Architect's details	110	sm		
B	Ditto but Water Proof boards to Wet Areas; all including appropriate fixing brackets and all other accessories	86	sm		
C	Prepare and apply one undercoat and two finishing coats of first quality silk vinyl plastic emulsion paint; to plastered wall surfaces; internal	392	sm		
	<u>Aluminium Partitions</u>				
	<u>The following in partitions comprising 18mm thick Laminated Medium Density Fibre board (MDF) in aluminium framing and glazing approximately 3000mm from finished floor level:</u>				
D	100x45x2mm anodised powder coated aluminum framing to match existing fabricated to specification; horizontally	182	lm		
E	Ditto but Vertically	220	lm		
F	20x15mm powder coated aluminium beadings	175	lm		
G	Extra Over; 20mm Thick rubber strip to approval (Provisional)	194	lm		
H	18mm thick laminated MDF Board on either side of aluminium framing (m.s)	40	sm		
	<u>Glazing</u>				
I	6mm Thick clear glass fixed to metal with aluminium connectors and rubber strips; panes exceeding 0.5 square meters but not exceeding 1.0 square meters	60	sm		
	<u>Films</u>				
J	Supply and fix one-way stripped films (as per sample on site) to ditto as directed	60	sm		
	<i>Carried to Collection</i>				

PROPOSED OFFICE PARTITIONING AND REFURBISHMENT WORKS TO EXISTING OFFICE SPACE ON
THE 1ST FLOOR AT THE KENYA PORTS AUTHORITY, INLAND CONTAINER DEPOT NAIROBI (ICDN)

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>FLOOR FINISHES</u>				
	<u>Insitu Finishings</u>				
	<u>Approved tiles; premium quality; non slip Granito floor tiles to regular or other approved pattern; bedding and jointing in cement sand (1:4) mortar; grouting with matching cement to:-</u>				
A	10mm thick to Floors level; internal	360	sm		
B	Skirtings; 100mm wide with rounded junction with wall finish and coved junction with floor finish	96	lm		
	<u>Approved; premium quality; non-slip; Ceramic floor tiles to regular or other approved pattern; bedding and jointing in cement sand (1:4) mortar; grouting with matching cement</u>				
C	8mm Thick to Floors level; internal	34	sm		
D	Skirtings; 100mm wide with rounded junction with wall finish and coved junction with floor finish	78	lm		
	<u>Beds or Backings</u>				
	<u>Screed; cement and sand (1:3)</u>				
E	30mm thick one coat backings; wood floated to receive granito floor tiles (m/s) to concrete or blockwork base; to floors level; internal	360	sm		
F	32mm thick one coat backings; wood floated to receive ceramic floor tiles (m/s) to concrete or blockwork base; to floors level; internal	78	sm		
	<u>CEILING FINISHES</u>				
	<u>Suspended accoustic ceiling; taped and filled joints; on and including metal grid system; including all cutting and trimming to light fittings:</u>				
G	600 x 600mm perforated gypsum panels or any other equal and approved; as suspended accoustic ceiling; including all the necessary aluminium suspended framing and branderings, panels suspension hangers, flush jointing and trap doors	360	sm		
H	Extra standard panels with recess chrome light fitting (m/s)	60	no		
	<u>HEAVY DUTY EXECUTIVE WINDOW BLINDS</u>				
I	Supply and fix high quality executive window blinds; slate blinds each size 125mm wide x 210mm Thick; including all fixing accessories; to general glazed window surfaces; as per samples approved by the Project Architect	136	sm		
	<i>Carried to Collection</i>				

PROPOSED OFFICE PARTITIONING AND REFURBISHMENT WORKS TO EXISTING OFFICE SPACE ON THE 1ST FLOOR AT THE KENYA PORTS AUTHORITY, INLAND CONTAINER DEPOT NAIROBI (ICDN)

[illegible]

PROPOSED OFFICE PARTITIONING AND REFURBISHMENT WORKS TO EXISTING OFFICE SPACE ON
THE 1ST FLOOR AT THE KENYA PORTS AUTHORITY, INLAND CONTAINER DEPOT NAIROBI (ICDN)

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>COLLECTION</u> From page MW / 1 From pege MW / 2 From page MW / 3 From page MW / 4 From page MW / 5				
	TOTAL FOR MEASURED WORKS CARRIED TO GRAND SUMMARY				

ELECTRICAL INSTALLATION WORKS

ELECTRICAL INSTALLATION WORKS

**PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
KENTRADE**

BILL NO. F-1

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
1.00	Supply, install, test and commission the following complete as specified herein or approved equivalent:					
1.01	LIGHTING POINTS					
	Lighting point wired in 3x1.5 mm ² PVC / SC CU Cables drawn in concealed 25 mm- Ø concealed HG PVC Conduits, c/w all accessories but excluding switches for:					
	a) One way switching	No	85			
	b) Two way switching	No	31			
	c) Intermediate switching	No	23			
2.00	LIGHTING SWITCHES					
2.01	10A, moulded ivory white flash switch plates as follows:					
	(a) One gang one way. [As MK]	No	10			
	(b) One gang two way. [As MK]	No	2			
	(c) Two gang two way. [As MK]	No	2			
	(d) Two gang one way. [As MK]	No	2			
	(e) Three gang one way. [As MK]	No	1			
	(f) One gang intermediate. [As MK]	No	1			
3.00	LIGHTING FITTINGS					
3.01	lighting fittings complete with all accessories:					
	a) 36 w 1200mm single batten LED luminaire with clear prismatic diffusers as CAT No CO2100Z4K.	No	2			
	b) LED modular recessed in door 14/19 watt 240 vac fitting [As Linn] to approval CAT No CU1000Z3K.	No	65			
	c) LED modular recessed outdoor 14/19 watt 240 vac fitting [As Linn] to approval CAT No CU1000Z3K.	No	12			
	d) Surface modular luminaire LED for 4 x 14 watts glare Protech /anti-sparking prismatic optic as OMEGA to approval CAT No OMPPM3400Z4K.	No	60			
	e) 240 vac snake lights	M	90			
SUB TOTAL FOR BQ/F-1 CARRIED FORWARD TO COLLECTION PAGE						

BQ/ F – 1

**PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
KENTRADE**

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
	Supply, install, test and commission the following complete as specified herein or approved equivalent:					
4.00	SUB MAINS WIRING POWER SUPPLY					
4.01	16 mm ² CU/PVC/SWA/PVC 2 core (ref.6944X) armoured power supply cable c/w accessories.	M	145			
4.02	10 mm ² PVC / SC power supply cable c/w accessories	M	130			
4.03	6 mm ² PVC/SC power supply cable c/w with accessories	M	70			
5.00	TRUNKING AND DUCTING					
5.01	Lay Metal clad cable tray 150mm width c/w accessories in the electrical duct for internal power reticulation.	M	150			
5.02	Lay HG/PVC conduit of size 50mm Ø from the electrical service duct to the incoming point for the building.	M	70			
5.03	Lay flexible HG/PVC conduit of size 20mm Ø from the electrical service duct to various utilities (ie CCTV)	M	125			
5.04	Rectangular skirting trunking type 'B' of dimensions 150 mm width x 50 mm depth 3 compartment flush along all walls and or accessories as shall be instructed and approved by Electrical Engineer. (Trunking to be powder coated and white in colour / to match existing) complete with inside and outside corner bends, end covers, cover plates with outlet provisions for data/ voice and power points.	M	275			
6.00	COOKER CONNECTION UNIT					
6.01	Cooker outlet point wired in 3 x 4.0 mm ² single core PVC Cables drawn in concealed 20 mm diameter heavy gauge ring of PVC Conduits, complete with all accessories.		2			
6.02	Supply and install the following 45 amps moulded 240 vac flash mounted ivory plate cooker outlets with all accessories :		2			
SUB TOTAL FOR BQ/F-2 CARRIED FORWARD TO COLLECTION PAGE						

BQ/ F – 2

**PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
KENTRADE**

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
	Supply, install, test and commission the following complete as specified herein or approved equivalent:					
7.00	INTERNAL POWER DISTRIBUTION					
7.01	Cable termination / extension box as type No 2CVA 002 101 R1001.	No	5			
8.00	100 amps 12 way SPN wall mounted recessed and hinged flash cover distribution board complete with integral isolator and all other accessories except MCBs [as ABB]	No	1			
8.02	100 amps 4 way SPN wall mounted recessed and hinged flash cover consumers service unit complete with integral isolator and all other accessories except MCBs [as ABB] Server Room	No	1			
9.00	Supply and install MCBs complete with all accessories:					
9.01	(a) 10 amps single pole [As ABB]	No	6			
	(b) 20 amps single pole [As ABB]	No	5			
	(c) 32 amps single pole [As ABB]	No	2			
	(d) 63 amps single pole [As ABB]	No	1			
	(e) Spare blanking plate	No	2			
10.00	RAW POWER POINTS					
10.01	Socket outlet point wired in 3 x 2.5 mm ² PVC/SC CU Cables drawn in concealed 25 mm Ø diameter HG PVC ring of Conduits / metal clad trunking, complete with all accessories but excluding plates. a) Twin	No	65			
10.02	13A, moulded ivory white switched socket outlet plates as MK or Crabtree as follows: a) Twin switched	No	65			
SUB TOTAL FOR BQ/F-3 CARRIED FORWARD TO COLLECTION PAGE						

BQ/ F- 3

**PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
KENTRADE**

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
	Supply, install, test and commission the following complete as specified herein or approved equivalent:					
11.00	SINK WATER HEATING UNITS –					
11.01	Water heating point wired in 3 x 4.0 mm ² SC PVC Cables drawn in concealed 20 mm diameter heavy gauge PVC Conduits, complete with all accessories.	No	1			
11.02	240 vac adjustable temperature control / pressure water heating units complete with all accessories.	No	1			
12.00	TELEVISION SERVICES –					
12.01	TV point wired in coaxial single core PVC Cables drawn in concealed 20mm PVC trunking.	No	3			
12.02	Moulded flash mounted ivory plate TV coaxial single outlets with all accessories.	No	3			
13.00	RETRACTABLE SCREEN – Board / Training rooms					
13.01	Retractable screen point wired in 3 x 2.5 mm ² single core PVC Cables complete with all accessories.	No	2			
13.02	240 vac ceiling mounted Retractable screen	No	2			
14.00	<u>DISCONNECTIONS AND REMOVAL WORKS</u>					
14.01	Carefully remove, store and arrange for handing over to client of existing or damaged and obsolete electrical cabling, lighting fittings, distribution boards / consumers service units and other electrical services fittings and or accessories as shall be instructed and approved by Electrical Engineer.	L.S	Item			
14.02	Allow for temporary connection of power	L.S	Item			
SUB TOTAL FOR BQ/F-4 CARRIED FORWARD TO COLLECTION PAGE						

BQ/F- 4

**PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
KENTRADE**

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
	Supply, install, test and commission the following complete as specified herein or approved equivalent:					
15.00	FIRE ALARM SYSTEM					
15.01	240 vac, 50 Hz electrical / electronic surface wall mounted 2 zone Fire alarm panel. (As Manvier). Works include but not limited to identification of interconnections terminals, cabling and programming with the following features : (i) Surface flush mounted (ii) Zone LEDs	Unit	1			
15.02	Fire alarm manual call point wired in 2core x 1.5 mm ² PVC/SC CU screened fire resistant Cables drawn in concealed 25 mm Ø diameter HG PVC ring of Conduits / metal clad trunking, complete with all accessories but excluding plates.	No	10			
15.03	Addressable manual call point to be installed recessed in building fabric (As Menvier)	No	10			
15.04	Addressable photoelectric smoke detector complete with common base (As Menvier)	No	22			
15.05	24v polarised 6" addressable wall mounted fire bell / sounder (As Menvier)	No	2			
16.00	UNITERRUPTIBLE POWER SUPPLY POINT					
16.01	240 vac 20 KVA surface mounted manual type manual power supply switch complete with accessories	No	1			
16.02	10 mm ² PVC / SC power supply cable complete with accessories	M	65			
SUB TOTAL FOR BQ/F-5 CARRIED FORWARD TO COLLECTION PAGE						

BQ/F – 5

**PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
KENTRADE**

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
	Supply, install, test and commission the following complete as specified herein or approved equivalent:					
17.01	Exit signage point wired in 3 x 1.5 mm ² single core PVC Cables drawn in concealed 20 mm diameter heavy gauge PVC Conduits, complete with all accessories.	No	9			
17.02	Supply and install the following 2.2 – 5 watts ultra slim aluminium bodied LED 3 hour duration maintained and viewing distance up to 23 m fire exit signs as follows: Blade suspended [As THORN CAT No VBLNMC]	No	9			
18.01	Electric hand drier point wired in 3 x 2.5 mm ² single core PVC Cables drawn in concealed 20 mm diameter heavy gauge PVC Conduits, complete with all accessories.	No	2			
18.02	Supply and install the following 240 vac wall mounted high pressure air hand drier	No	2			
19.01	Fan extractor point wired in 3 x 2.5 mm ² single core PVC Cables drawn in concealed 20 mm diameter heavy gauge PVC Conduits, complete with all accessories.	No	6			
19.02	Supply and install the following 0.2 watts 240 vac wall mounted automatic low noise extractor fan	No	6			
20.00	Carry out earthing on all the installation and bond all metallic pipe work.	L.S	Item			
21.00	Carry out all the electrical type tests on the electrical installation and ensure that the system complies fully with the I.E.E / Kenya Power & Lighting Co. Ltd Regulations	L.S	Item			
SUB TOTAL FOR BQ/F-6 CARRIED FORWARD TO COLLECTION PAGE						

BQ/F – 6

COLLECTION PAGE FOR ELECTRICAL INSTALLATION WORKS

PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES KENTRADE
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S / No	BILL No	ITEM No	BQ No	TOTAL KSHS	CTS
1	E1	1.0 - 3.00	F – 1		
		4.00 – 6.00	F – 2		
		7.00 – 10.00	F - 3		
		11.00 – 14.00	F - 4		
		15.00 – 16.00	F – 5		
		17.00 - 21.00	F - 6		
TOTAL (KSHS)					

GS/F-7

**STRUCTURED CABLING,
DATA AND VOICE
INSTALLATION WORKS**

BILL No H1:**DATA, VOICE NETWORK, CCTV & ACCESS CONTROL****PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
MINISTRY OF FINANCE - KENTRADE**

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
	Supply, install, set up, configure, test and commission the following items as specified herein or approved equivalent.					
1.00	<u>DISCONNECTIONS AND REMOVAL WORKS</u>					
1.01	Carefully remove, store and arrange for handing over to client of existing or damaged and obsolete data cabling, units and other fittings and or accessories as shall be instructed and approved by Electrical Engineer.	L.S	Item			
1.02	Dual RJ45 data outlets complete with face plates and RJ45 connectors [As Siemons]	No	45			
1.03	48 port RJ45 CAT 6A patch panels [As Siemons]	No	2			
1.04	1U WM series rack mount cables managers.	No	3			
1.05	1 metre, 4 pair RJ45 CAT 6A – patchcords.	No	45			
1.06	3 metre, 4 pair RJ45 CAT 6A – patchcords.	No	45			
SUB TOTAL FOR BQ/H-1 CARRIED FORWARD TO COLLECTION PAGE						

PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
MINISTRY OF FINANCE - KENTRADE

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
2.00	Supply, install, set up, configure, test and commission the following items as specified herein or approved equivalent.					
2.01	<u>DATA AND VOICE SWITCH.</u>					
	Standalone with optional stacking 48 10/100/1000 Ethernet PoE+ ports and 4 x 1G uplink ports, with 640 WAC power supply, 1 RU, IP base feature set LAN base feature set as CISCO 3850 (WS-C3650-48SS-S) complete with all accessories .	No	2			
3.00	<u>EQUIPMENT CABINETS</u>					
3.01	24U 19" rack free standing factory manufactured cabinet 800w x 1070D with low noise (low Db) fans, power distribution unit complete with all accessories.	No	1			
4.00	<u>UPS</u>					
4.01	240 vac, 50Hz 15KVA (15000VA) UPS complete with maintenance free batteries [As APC or Equivalent] and serial port. smart UPS with USB . Wired to Supply both Clean power to user Desks and Network Cabinet	No	1			
5.00	<u>NETWORK CABINET EARTHING AND TESTING</u>					
5.01	Carry out earthing on all the installation and bond all metallic parts.	L.S	Item			
5.02	Carry out cable testing to industry standard and documentation of test results in 3 No bound hard and 2 No soft copies.	L.S	Item			
5.03	Carry out all the electrical type tests on the electrical installation and ensure that the system complies fully with the I.E.E / Kenya Power & Lighting Co. Ltd Regulations	L.S	Item			
SUB TOTAL FOR BQ/H-2 CARRIED FORWARD TO COLLECTION PAGE						

PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
MINISTRY OF FINANCE - KENTRADE

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
	Supply, install, set up, configure, test and commission the following items as specified herein or approved equivalent.					
6.00	ACCESS CONTROLLER (Physical Access Security)					
6.01	Biometric pin and proximity, IP- based single door Access Controller complete with its PSU and all accessories.	No	2			
6.02	Exit buttons.	No	2			
6.03	Maglock of 300 Kg holding force.	No	2			
6.04	Emergency break glass.	No	2			
6.05	Mounting brackets.	No	2			
6.06	Assorted Sundries, tags and labelling	L.S	Item			
6.07	Allow for minor alterations on builders works and making good of the same.	L.S	Item			
7.00	Training system administrators and operators on all the installed systems.	L.S	Item			
8.00	Cable testing to industry standard and documentation of test results in 3 No bound hard copies and 2 No soft copies in appropriate media.	L.S	Item			
SUB TOTAL FOR BQ/H - 3 CARRIED FORWARD TO COLLECTION PAGE						

PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
MINISTRY OF FINANCE - KENTRADE

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
	Supply, install, set up, configure, test and commission the following items as specified herein or approved equivalent.					
9.00	<u>HORIZONTAL CABLING:</u>					
1.01	Four pair UTP (CAT 6A) cable [Siemons,Giganet or equivalent] drawn in the existing trunkings to be terminated at the patch panel and dual RJ45 data outlets.	M	3,500			
10.00	FIBRE OPTIC CABLE	M	300			
11.00	CEILING MOUNTED PROJECTOR					
11.01	High aperture 3 LCD 3 chip technology powerlite projector 1781W, 3200 lumens with native resolution: 1280 x 800 (WXGA), HDMI input MHL compatible, VGA, RCA composite, USB inputs IR remote control complete with all accessories	No	1			
11.02	Global UPM – 360, 360 & degree universal projector mount complete with all accessories	No	1			
12.00	HDMI CABLE					
	15 meters High definition multimedia interface 2.0 cable. Supports 4k resolution and 32 audio channels	No	1			
13.00	VGA CABLE					
	Video graphics array connector cable, 15 meters length with triple coaxial twisted pair.	No	1			
SUB TOTAL FOR BQ/H-4CARRIED FORWARD TO COLLECTION PAGE						

PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
MINISTRY OF FINANCE - KENTRADE

ITEM No	ITEM DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT KSHS	CTS
	Supply, install, set up, configure, test and commission the following items as specified herein or approved equivalent.					
14.00	<u>WIRELESS NETWORK(WLAN)</u>					
14.01	Ceiling mounted Wireless access point WPA/WPA2 – enterprise 802.1X with RADIUS secure authentication, 300 Mbps wireless data rate for uninterrupted wireless connection unit complete with all accessories.	No	4			
15.00	<u>WIRLESS LAN CONTROLLER</u>					
15.01	Rack mounted LAN controller, with capacity to support 10 access points and up to 150 clients complete with all accessories.	No	1			
	CONFIGURATIONS					
8.01 C	are fully connect and configure new installations and Conduct fluke tests of cabling with Project Engineers . _____ _____					
SUB TOTAL FOR BQ/H-5 CARRIED FORWARD TO COLLECTION PAGE						

COLLECTION PAGE FOR STRUCTURED CABLING WORKS

**PROPOSED OFFICE REORGANIZATION AT KENYA PORTS AUTHORITY – ICDN OFFICES
MINISTRY OF FINANCE - KENTRADE**

S / No	BILL No	ITEM No	Pg No	TOTAL KSHS	CTS
	H1	1.01– 1.06	H /1		
		2.00 – 5.00	H /2		
		6.00 – 8.00	H /3		
		9.00 – 13.00	H /4		
		14.00 – 18.00	H /5		
TOTAL (KSHS)					

GS/H-6

MECHANICAL INSTALLATION WORKS

SANITARY FITTINGS; PLUMBING & DRAINAGE WORKS

**PROPOSED OFFICE PARTITIONING TO OFFICES AT ICDN FOR KENTRADE
PLUMBING, DRAINAGE AND FIRE PROTECTION WORKS**

Item	Description	Unit	Qty	Rate	Amount
A	<p>SANITARY FITTINGS</p> <p>Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Duravit products are specified only as an indication of quality. Equal and approved appliances may be supplied. Where trade names are mentioned, the Ref. No. is intended only as a guide to the type and quality of fittings</p> <p>Water Closet</p> <p>Duravit D-CODE Close Coupled WC suite in Vitreous china and approved colour comprising of WC bowl,'P' or 'S' trap connector,heavy duty matching seat and cover with metal top fixed chrome plated hinges and chrome plated push button with all the other necessary accessories.</p>	No	6		
B	<p>Wash handbasin</p> <p>Duravit D-CODE wash basin set for counter top fixing in white vitreous china with overflow and single tap hole size 520 x 420 x1850mm and comprising of Ref No. 327566..0 basin, 1No. Chrome plated mixer tap with chrome plated waste extension pipe and wall flange, silicon sealant, nd fixings to approval</p>	No	6		
Total carried forward to the collection page 13					

Item	Description	Unit	Qty	Rate	Amount
A	Urinal bowls General purpose vitreous china white in colour urinal bowl for a single person, one bowl complete with bowl supports, 40mm diameter chrome plated outlet grating, 40mm diameter chrome plated bottle trap, 15mm diameter brass "Pegler" bib tap with star handles, 4.5 litres vitreous china concealed automatic cistern with fittings, chrome plated flush pipes and spreaders as Duravit or equal and approved.	Set	2		
B	Toilet roll holder Toilet roll holder in vitreous china to BS 3402 in white colour of size 165x165mm and recessed into wall. Toilet roll holder to be as Duravit or equal and approved	No	6		
C	Mirrors 6mm thick polished plate glass, silver backed mirror with beveled edges, size 600 x 610mm plugged and screwed to wall with 4No. Chrome plated chrome capped screws and 5mm thick foam back rest	No	4		
	Total carried forward to the collection page 13				

Item	Description	Unit	Qty	Rate	Amount
A	Hand/face driers Automatic hand drier in approved color, operating on an infrared automatic sensing system with safety cut-out complete with plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm (3.82m3/min) and to be of size 270x264x143mm deep as WANDSWORTH BUNNIE Model HDZ or approved equivalent.	No	6		
B	Kitchen Sink Double bowl, double drainer stainless steel kitchen sink of size 1800 x 600mm as manufactured by ASL . The bowl size to be 430 x 420 x 200mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, 1No. 15mm diameter chrome plated sink mixer with over-arm swivel spout as Cobra model 166/04 with carina handles, chrome plated bottle trap with 75mm deep seal and chain waste fitting.	No	1		
C	Undersink Heater 10 litres capacity undersink instantaneous water heater complete with 3.0kw electric heating element, externally adjustable capillary type thermostat, polyurethane form thermal insulation, corrosion-proof moulding outer casing, mountings, water and electrical connections. The heater shall be as Ariston with power supply 3.0kw, 240/50Hz or equal and approved.	No	1		
Total carried forward to the collection page 13					

Item	Description	Unit	Qty	Rate	Amount
	<p><u>INTERNAL PLUMBING</u></p> <p>To supply and install Chlorinated Polyvinyl Chloride(CPVC) tubing and fittings which meet requirements of ASTM F442 as described.Tenderers must allow for jointings,clippings,couplings etc,necessary for the proper and satisfactory functioning of the installation when pricing.All joints shall assembled using solvent cements that meet or exceeds the requirement of ASTM F493 and to the Engineer's Approval. Rates must allow for all Metal/plastic threaded adaptors where required for connection of sanitary fixtures,valves etc</p> <p>CPVC PIPES</p> <p>A 15mm diameter CPVC pipe. Lm 45</p> <p>B 20mm -Ditto- Lm 44</p> <p>C 25mm -Ditto- Lm 52</p> <p>D 32mm -Ditto- Lm 34</p> <p>E 40mm -Ditto- Lm 34</p> <p>F 50mm -Ditto- Lm 24</p> <p>Extra- over CPVC pipework for the following Bends</p> <p>G 15mm bends No 21</p> <p>H 20mm -Ditto- No 22</p> <p>I 25mm -Ditto- No 15</p> <p>J 32mm -Ditto- No 44</p> <p>K 40mm -Ditto- No 38</p> <p>L 50mm -Ditto- No 12</p>				
Total carried forward to the collection page 13					

Item	Description	Unit	Qty	Rate	Amount
	<u>Threaded fittings</u>				
A	20x15mm dia. male threaded 90° bend	No	28		
B	25x15mm dia. male threaded 90° bend	No	45		
C	32x15mm dia. female threaded 90° bend	No	20		
D	40x15mm dia. female threaded 90° bend	No	5		
	Equal tees				
E	20mm equal tee	No	28		
F	25mm equal tee	No	80		
G	32mm -Ditto-	No	20		
H	40mm -Ditto-	No	17		
I	50mm -Ditto-	No	18		
	Reducers				
J	20x15mm reduce	No	25		
K	25x20mm -Ditto-	No	23		
L	32x25mm -Ditto-	No	17		
M	40x32mm -Ditto-	No	10		
N	50x40 mm -Ditto-	No	12		
	Gate valves				
O	50mm dia. approved medium pressure screw down full way non- rising stem wedge gate valve to BS 1952, with wheel and head joints to steel tubing. The gate valve to be as "Pegler" or approved equivalent.	No	8		
P	40mm -ditto-	No	5		
Q	32mm -ditto-	No	10		
R	25mm -ditto-	No	25		
S	20mm -ditto-	No	20		
	Total carried forward to the collection page 13				

Item	Description	Unit	Qty	Rate	Amount
	Plain Sockets				
A	50mm sockets	No	18		
B	40mm ditto	No	42		
C	32mm ditto	No	52		
D	25mm ditto	No	42		
E	Allow for water connection from existing water supply mains.	Item	1		
F	50 mm diameter pipe GI from existing supply pipe to the ne building	Lm	90		
G	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve for connecting the sanitary fitting to water supply. To be as Cobra or equal and approved.	No	35		
	Water Storage Tank				
H	Supply, deliver and install vertical close end plastic moulded tank of capacity 5,000 litres (652 gallons) and diameter 1550 x 1250mm high. The tank to be assembled complete with cover and having screwed connections for inlet, outlet, overflow, high pressure ball valve, drain pipes and any other necessary item for its proper functioning. The tank shall be mounted on a platform and shall be as ROTO Model or approved equivalent.	No	2		
I	Allow for pressure testing, flushing out and sterilization of th cold water system as required to the satisfaction of the Engineer.	Item	1		
Total carried forward to the collection page 13					

Item	Description	Unit	Qty	Rate	Amount
	INTERNAL DRAINAGE				
	All drainage pipes to be as 'Key Terrain or equal and approved equivalent. Allow for connection to the nearest manholes.				
	PVC and muPVC pipework				
A	100mm heavy duty golden brown pipe class	Lm	98		
B	100mm diameter heavy duty grey pipe class	Lm	33		
C	50mm ditto	Lm	14		
D	40mm ditto	Lm	18		
E	32mm ditto	Lm	19		
	<u>PVC and muPVC pipework</u>				
F	100mm diameter long radius ben	No	17		
G	32mm diameter bend	No	20		
H	32mm diameter sweep Te	No	20		
I	100mm diameter sweep Te	No	35		
J	50mm diameter sweep Te	No	36		
K	40mm diameter sweep Te	No	16		
L	100mm diameter access cap	No	31		
M	50mm diameter access cap	No	10		
N	40mm diameter access cap	No	16		
O	32mm diameter access cap	No	16		
P	40mm diameter bend	No	14		
Q	50mm diameter bend	No	10		
	Total carried forward to the collection page 13				

Item	Description	Unit	Qty	Rate	Amount
A	100 mm diameter WC connector	No	6		
B	100mm diameter 4-way Floor trap and gratin	No	4		
C	100mm floor gully complete with cover	No	4		
D	100mm diameter vent cow	No	3		
E	100mm diameter weathering slate and apro	No	3		
F	Rehabilitation of Inspection Chamber(manhole)	No	6		
G	Testing and commissioning the internal drainage installations	Item	1		
	Total carried forward to the collection page 13				

Item	Description	Qty	Unit	Rate	Amount
	<u>FIRE FIGHTING EQUIPMENT</u> Supply, deliver and install the following fire fighting equipment in positions indicated on the contract drawings or as shall be instructed by the Engineer.				
A	Hose Reel 20mm diameter 30m long swimming type fire hose reel complete with delivery valve, mild steel feed pipe, isolation valve guide and all other accessories as “ANGUS FIRE ARMOUR” or equal and approved.	No.	2		
	PIPE WORK Supply, deliver and install galvanized mild steel pipes to BS 1387, class “B” Tenderers must allow in their pricing of pipework for all couplings, connectors, joints, unions etc as required in running lengths of pipework. Also where necessary for pipe fixing clips, holderbats plugged or screwed.		,		
	GMS PIPE				
B	50mm diameter gms pipe class “B”	Lm	54		
C	25mm diameter gms pipe class “B”	Lm	56		
	Bends				
D	50mm diameter Bend	No	8		
Total carried forward to the collection page 13					

Item	Description	Unit	Qty	Rate	Amount
A	25mm -ditto-	No	19		
B	50mm x25mm Reduce	No	12		
C	50mm equal Tee	No	11		
	Gate valve				
D	50mm Gate valve	No	4		
E	25mm -ditto-	No	9		
F	50mm non return valve	No	2		
	Unions				
G	50mm diameter pipe unions	No	3		
H	25mm diameter pipe unions	No	6		
I	25mm air release valve	No	4		
J	50mm ditto	No	2		
	Water/Carbon Dioxide Gas Fire Extinguisher				
K	9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No	2		
	Carbon dioxide Gas Fire Extinguisher				
L	4.5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	2		
	Dry Chemical Powder Fire Extinguisher				
M	9kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	2		
	Fire Notices				
N	Allow for fire signage for the hose reel system, fire exits and fire instructions as described in the particular specifications and to the Project Engineer's approval.	No	2		
O	9" (225mm) wall mounted manual alarm bell	No	2		
Total carried forward to the collection page 13					

COLLECTION PAGE			
Item	Description	Total	
1	Total brought forward from page 1		
2	Total brought forward from page 2		
3	Total brought forward from page 3		
4	Total brought forward from page 4		
5	Total brought forward from page 5		
6	Total brought forward from page 6		
7	Total brought forward from page 7		
8	Total brought forward from page 8		
9	Total brought forward from page 9		
10	Total brought forward from page 10		
	Total Cost for Sanitary Fittings, Plumbing Works, Drainage Works and Fire-Fighting Equipments carried to Main Summary page		

AIR-CONDITIONING INSTALLATION WORKS

PROPOSED OFFICE PARTITIONING TO OFFICES AT ICDN FOR KENTRADE
BILL OF QUATITIES FOR AIR CONDITIONING WORKS

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	<p style="text-align: center;">AIR-CONDITIONING</p> <p>SPLIT AIR CONDITIONING SYSTEM-Ceiling type air-cooling unit</p> <p>The air conditioning system shall be split type.</p> <p>The indoor unit shall be High wall type air-cooling unit . The air conditioning unit shall be supplied complete with room thermometer, room thermostat controls, Drainage pump and wireless remote control device. It shall be charged with R410A refrigerant or any other non ozone depleting refrigerant. The unit shall be such that if the power supply goes off, it will start automatically after power is restored with three minute delay. The outdoor unit shall have matching capacity with the indoor unit. The unit shall be "Carrier" Model or equal and approved.The indoor unit shall have the following capacity:</p>				
A	9KW (60,000 Btu/hr)	1	No.		
	Refrigeration Pipework				
B	Refrigeration liquid line pipework including 25mm Amaflex insulation.	15	LM		
C	Refrigeration gas line pipework including 25mm Amaflex insulation.	15	LM		
	Drain				
D	25mm PVC condensate drainage pipework, class D, including bends, clips, joints and tees in the running lengths of the pipe.	10	LM		
	Surge Protector				
E	Power surge protector as Solatek to suite or equal and approved.	1	No.		
	Mounting bracket				
F	Mounting bracket for the outdoor unit complete with a cage and provided with purpose-made protective steel iron angle frame and all other anchoring accessories including rawl bolts and anti-vibration rubber mountings to engineer's approval.	2	Item		
Total carried forward to Collection page 4					

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	SPLIT AIR CONDITIONING SYSTEM-Ceiling type air-cooling unit The air conditioning system shall be split type. The indoor unit shall be High wall type air-cooling unit . The air conditioning unit shall be supplied complete with room thermometer, room thermostat controls, Drainage pump and wireless remote control device. It shall be charged with R410A refrigerant or any other non ozone depleting refrigerant. The unit shall be such that if the power supply goes off, it will start automatically after power is restored with three minute delay. The outdoor unit shall have matching capacity with the indoor unit. The unit shall be “Carrier” Model or equal and approved. The indoor unit shall have the following capacity:				
A	6.9KW (24,000 Btu/hr)	4	No.		
	Refrigeration Pipework				
B	Refrigeration liquid line pipework including 25mm Amaflex insulation.	24	LM		
C	Refrigeration gas line pipework including 25mm Amaflex insulation.	24	LM		
	Drain				
D	25mm PVC condensate drainage pipework, class D, including bends, clips, joints and tees in the running lengths	32	LM		
	Surge Protector				
E	Power surge protector as Solatek to suite or equal and approved.	4	No.		
	Mounting bracket				
F	Mounting bracket for the outdoor unit complete with a cage and provided with purpose-made protective steel iron angle frame and all other anchoring accessories including rawl bolts and anti-vibration rubber mountings to engineer’s approval.	2	Item		
Total carried forward to Collection page 4					

**MAIN SUMMARY PAGE FOR
MECHANICAL INSTALLATION
WORKS**

PROPOSED OFFICE PARTITIONING TO OFFICES AT ICDN FOR KENTRADE

Item	Description	Amount (Kshs.)
	<u>MAIN SUMMARY PAGE</u>	
1	Total for Sanitary Fittings, Plumbing works, Drainage works and Fire-Fighting Equipment brought forward from collection Page 10	
2	Total for Air conditioning Installation Works brought forward from collection Page 3	
	TOTAL FOR MECHANICAL INSTALLATION WORKS CARRIED FORWARD TO GRAND SUMMARY PAGE	

PROVISIONAL SUMS

PROPOSED OFFICE PARTITIONING AND REFURBISHMENT WORKS TO EXISTING OFFICE SPACE ON
THE 1ST FLOOR AT THE KENYA PORTS AUTHORITY, INLAND CONTAINER DEPOT NAIROBI (ICDN)

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<p><u>PROVISIONAL SUMS</u></p> <p><u>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in these bills of quantities or prorata thereto or deducted in whole if not required</u></p>				
A	Allow a provisional sum of Kenya Shillings One Million (Kshs 1,000,000.00) only for Contingencies		ITEM		
	TOTAL FOR PROVISIONAL SUMS CARRIED TO GRAND SUMMARY				

GRAND SUMMARY

**PROPOSED OFFICE PARTITIONING AND REFURBISHMENT WORKS
TO EXISTING OFFICE SPACE ON THE 1ST FLOOR AT THE KENYA
PORTS AUTHORITY, INLAND CONTAINER DEPOT NAIROBI (ICDN)**

GRAND SUMMARY

ITEM	DESCRIPTION	Page No.	FOR TENDERER USE ONLY	FOR OFFICIAL USE ONLY
			K.SHS.	K.SHS.
A	PARTICULAR PRELIMINARIES	PP / 8		
B	GENERAL PRELIMINARIES	GP / 13		
C	MEASURED WORKS	MW / 6		
D	ELECTRICAL INSTALLATION WORKS	GS/F - 7		
E	STRUCTURED CABLING, DATA AND VOICE INSTALLATION WORKS	GS/H - 6		
E	MECHANICAL INSTALLATION WORKS	Mech - 1		
F	PROVISIONAL SUMS	PS / 1		
	GRAND TOTAL (IN KSHS - INCLUSIVE OF VAT) CARRIED TO FORM OF TENDER			

Amount in words. Kenya Shillings

.....

.....

Tenderer's Signature and stamp.....

Address

Date

Witness Signature

Address

Date