

GUARANTEE SPECIFICATIONS

Part A: LV board requirements

S/N	ITEM	TECHNICAL REQUIREMENTS	MODEL/COUNTRY OF ORIGIN	BIDDERS COMPLIANCE
1.	Switchboard Panel	Free-standing purpose made front access Main LV Switchboard (Fully Type-Tested Assemblies – TTA), Form 2/3b (NAKURU), Form 3b (KISUMU) modular, metal clad, dustproof cubicle type suitable for floor mounting, IP 54, manufactured in 12 SWG galvanised mild steel sheet and finished in cream (or appropriate colour) powder coating as shown on the schematic. The Low Voltage Switchboard should consist of a PLC section, allowing for priority switching.		
2.	1000 A TPN ACB	Be adjustable with over current settings and having a short-circuit breaking capacity of 50KA at 415Vac, 50Hz, with shunt trip coil for fireman's switch. The MCCB to be adjustable in 600-1000A range, set at 1000A. The MCCBs to be motorized with both electrical and mechanical inter-lock with the Tie breaker/Coupler, with an automatic control system. Allow for manual override and remote monitored, Modbus TCP/IP, Ethernet enabled.		
3.	1000Amp MCCB	Of type 1000A with adjustable over current settings and having a short-circuit breaking capacity of 50KA at 415Vac, 50Hz. The MCCB to be adjustable in 600-1000A range, set at 600A. The MCCBs to be motorized.		
4.	Change Over	2No x 1000 A TPN ACB/MCCB main incomer (for the existing 630KVA transformer and genset 1000A with adjustable over current settings and having a short-circuit breaking capacity of 50KA at 415Vac, 50Hz, with shunt trip coil for fireman's switch. The ACB/MCCB to be adjustable in 600-1000A range, set at 1000A. The ACBs/MCCBs to be motorized with		

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S/N	ITEM	TECHNICAL REQUIREMENTS	MODEL/COUNTRY OF ORIGIN	BIDDERS COMPLIANCE
		<p>both electrical and mechanical inter-lock with the Tie breaker/Coupler, with an automatic control system. Allow for manual override and remote monitored, Modbus TCP/IP, Ethernet enabled.</p> <p>Operational Condition</p> <ul style="list-style-type: none"> • Be remote monitored. • Ethernet enabled • Genset run command • On load and off load test functions • Schedule starts • voltage and frequency thresholds • Load shedding <p>Should have an inbuilt Power Quality Analyzer to detect</p> <ul style="list-style-type: none"> • Frequency • Phase sequence • Power fluctuations 		
5.	Automatic Change-over Contactor Unit	<p>General</p> <p>The Contractor shall supply and install complete, an automatic changeover Contactor to operate in conjunction with the KPLC supply and the standby diesel plant. The automatic changeover Contactor shall be housed within a cubicle type L.V. switchboard.</p> <p>Contactor Unit</p> <p>The automatic changeover Contactor Unit shall consist of contactors feeding a common bus-bar system to which the loads are directly connected. One contactor shall control the normal mains supply and the other controls the standby diesel supply. Substantial mechanical and electrical interlocks shall be provided so that both supplies cannot be operated at the same time and shall be suitable for continuous rating and robust construction.</p>		

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S/N	ITEM	TECHNICAL REQUIREMENTS	MODEL/COUNTRY OF ORIGIN	BIDDERS COMPLIANCE
		<p>Manual Change-Over Switches</p> <p>Manual changeover switches shall be provided so that the supply can be maintained from source, normal or standby in the event of a Contactor failure. These shall be suitable for continuous rating and of robust construction. They shall be installed in a separate compartment in the L. V. Switchboard, or elsewhere to be agreed with the Engineer.</p> <p>Operation</p> <p>The Contractor shall ensure that in the event of a KPLC mains power supply failure, the automatic changeover contactor break the connections of the Mains Supply and make the connections to the standby diesel generator set supply. When the normal supply is restored the reverse action should take place. The standby generator also operates if there is loss of one or more phase on the incoming KPLC mains supply cable.</p> <p>The automatic changeover unit shall come into operation in the event of one or more of the following occurring: -</p> <ul style="list-style-type: none"> • Loss of KPLC mains supply • Loss of one or more phases; • Under-voltage, within prescribed limits; • Over-voltage, within prescribed limits; • Any other additional feature offered by the specialist manufacturers. <p>With the restoration of the KPLC mains supply to the normal voltage, frequency and regulation, the automatic changeover unit shall again, automatically connect the loads back onto the main supply. This taking place after a prescribed time to prevent the continual starting and stopping of the diesel generating plant, in the event of there being intermittent KPLC mains supply interruptions. Suitable timers shall be provided so that the change-back period can be adjusted and agreed with the Client. The protection relays and monitoring device shall be suitably mounted and located on the incoming supply with signal cables extended to the Diesel Generator Control Panel.</p>		

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S/N	ITEM	TECHNICAL REQUIREMENTS	MODEL/COUNTRY OF ORIGIN	BIDDERS COMPLIANCE
		The Diesel Generator shall continue to run for a pre-determined period after the restoration of the mains supply, and then stop and revert automatically to a standby power unit ready to start-up in the event of future loss of KPLC main supply. Full operational details shall be agreed with the Engineer.		
6.	GENSET control module	Provide GENSET control module that will be compatible with the new changeover		
7.	415V three-phase surge diverter	Type 1+2, wired as shown, complete with enclosure with viewing window.		
8.	PFCU	<p>1 No. x 150kVAR power factor correction capacitor bank with the following parameters</p> <p>1 x 50 KVAR's 415 V, 50Hz, 3-Phase</p> <p>2 x 25 KVAR's 415 V, 50Hz, 3-Phase</p> <p>2 x 20 KVAR's 415 V, 50Hz, 3-Phase</p> <p>1 x 10 KVAR's 415 V, 50Hz, 3-Phase</p> <p>6 x Special contactors for capacitor switching.</p> <p>6 x Fuse bases and fuses for each capacitor protection</p> <p>6 x Step indicator lamps</p> <p>1 x Control circuit protection fuse/fuse holder</p> <p>1 x 6-Step automatic control regulator for maintaining power factor at the set level and regulating the switching of capacitor steps</p> <p>1 x 1250/5A Current transformer (to be mounted after the mains incoming circuit breaker)</p> <p>The bank to be made from low-loss bio-degradable capacitive units, complete with earthed enclosure.</p>		

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S/N	ITEM	TECHNICAL REQUIREMENTS	MODEL/COUNTRY OF ORIGIN	BIDDERS COMPLIANCE
9.	CT three phase digital check meters	Digital multimeter of type PM820/METSEPM5320 with CTs and fuse protection capable of measuring voltage in the range 0 – 1000V, 3-phase, current in the range 0-2000A, 3-phase, and all power system parameters (KW, KVA, KWHr, KVARs, Frequency, P.F., harmonics and all the parameters). The multimeter to have an accessible terminal for connecting an external printer, and should be complete with selector switches for viewing / displaying the various parameters. Digital multimeter should be Ethernet enable, with Modbus TCP/IP port.		
10.	TPN Stabilizer bypass switchgear	Set of Stabilizer Bypass Switch comprising of the following: 1000A 4P non-withdrawable ACB/MCCB (to AVR stabilizer) 1000A 4P key interlocked non-withdrawable switch disconnectors (from stabilizer and bypass)		
11.	Protection & Earthing requirement	All MCCBs should have adjustable over current settings, selectivity observed. Comprehensive protective multiple earthing of the above board in 1200mm long 12mm diameter pure electrolytic copper earth rod deep driven to permanent moisture level, copper clamp. 50mm ² green earth lead complete with all accessories. (Note: Use parallel rods if effective earthing cannot be achieved with 1).		
12.	Other Works	Supply and install Evacuators fans/units 2 in the LV Switchroom, Units auto control with temperature sensors i.e. temp >30°C. All cables to be secure on appropriate cable trays		

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S/N	ITEM	TECHNICAL REQUIREMENTS	MODEL/COUNTRY OF ORIGIN	BIDDERS COMPLIANCE
		<p>Label of rooms with KPLC logo's.</p> <p><u>EXISTING LV BOARD ROOM DIMENSIONS</u></p> <p>Kisumu LV room</p> <ul style="list-style-type: none"> The dimensions of the existing LV board room is 5.75m by 4.4m <p>Nakuru LV room</p> <ul style="list-style-type: none"> The dimensions of the existing LV board room is 2.5m by 4.3m 		
13.	Riser boards	<p>Replacement of existing Distribution boards, Fuses and tidying the risers, Painting.</p> <p>Tracing of line and ensuring retouch of existing circuits.</p> <p>Making good all electrical wiring and electrical fittings, Labelling of all circuits and painting.</p>		
14.	Communication	<ul style="list-style-type: none"> All ACBs/MCCBs for incomers and AVR's to be remotely monitored (using appropriate branch circuit monitor) When generator kicks in a SMS alert is sent Monitoring software to be supplied and configured by the contractor. KPLC to provide simcards. 		
15.	Layout drawings	Bidders to provide proposed layout drawings Switchboard working drawings to be prepared with full site understanding as to how the existing cables will be terminated into the proposed positions of the various outgoing circuit breakers)		
16.	Work schedule	Bidders to provide work schedule detailing all activities.		

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S/N	ITEM	TECHNICAL REQUIREMENTS	MODEL/COUNTRY OF ORIGIN	BIDDERS COMPLIANCE
17.	Testing and commissioning	Perform all the necessary testing and commissioning. All necessary integration tests performed and operational before handing over. All reports to be provided.		

PART B: RISER BOARD REQUIREMENTS

S/N	ITEM	TECHNICAL REQUIREMENTS	MODEL/COUNTRY OF ORIGIN	BIDDERS COMPLIANCE
1.	Riser/Sub Main Distribution boards	<p>The riser/sub main boards shall be connected to a supply voltage system of 415/240V, 3 phase, 4 wire and 50 Hz.</p> <ul style="list-style-type: none"> Fully tested conditional short circuit rating of 25kA to BS EN 61439-3 (Submit test certificate) High performance MCB 10kA BS EN 60898 15kA BS EN 60947-2; 1, 2, 3 pole 250A busbar rating Interlocked switch disconnection to BS EN 60947-3 ensuring unused outgoing ways are isolated Switching outgoing neutral on all boards using distributed neutral kit Terminal block for feeding up to 100A Incomer: MCCB; padlockable in the off position only Device accessories and auxiliaries: add-on earth leakage modules Knockouts for cable gland and conduit mixed to suit the installation needs without loss of space 		

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S/N	ITEM	TECHNICAL REQUIREMENTS	MODEL/COUNTRY OF ORIGIN	BIDDERS COMPLIANCE
		<ul style="list-style-type: none"> • Removable insulated pan assembly • Fully shrouded neutral • Split neutral bars • Removable gland plates • IP 54 		
2.	Layout drawings	<p>Bidders to provide proposed layout drawings</p> <p>Sub main board working drawings to be prepared with full site understanding as to how the existing cables will be terminated into the proposed positions of the various outgoing circuit breakers</p>		
3.	Work schedule	Bidders to provide work schedule detailing all activities.		

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PROPOSED REPLACEMENT OF RISER BOARD AND ASSOCIATED WORKS AT ELECTRICITY HOUSE NAIROBI.

	BILL No. 1	Shs.
A	PRELIMINARIES	
	<u>PRELIMINARY PARTICULARS</u>	
	<u>NAME OF PARTIES</u>	
	<p>The "Employer" is : Kenya Power & Lighting Co. Ltd P.O. Box 30099 - 00100 <u>NAIROBI</u></p> <p>The term "Employer" and "Kenya Power" and "Kenya Power & Lighting Co. Ltd" wherever used in the contract document shall be synonymous</p> <p>The "Project Manager" is : The Manager, Administration & Property, HR& Administration Kenya Power & Lighting Co. Ltd P.O. Box 30099 - 00101 <u>NAIROBI</u></p> <p>The "Project Officer " is : The Kenya Power Projects Officer Administration & Property, HR& Administration Kenya Power & Lighting Co. Ltd P.O. Box 30099 - 00101 <u>NAIROBI</u></p> <p>The "Project Quantity Surveyor" is: The Kenya Power Quantity Surveyor, Administration & Property, HR& Administration Kenya Power & Lighting Co. Ltd P.O. Box 30099 - 00101 <u>NAIROBI</u></p>	
B	<u>DESCRIPTION OF SITE</u> <p>The site is located within Nairobi CBD at Electricity house , along Harambee Avenue between Agakhan walk and shakadas & Cargen Buildings. All access roads are tarmacked.</p> <p>The Contractor shall visit the Site to acquaint himself with its nature and position, the nature of the ground, substructure and other local conditions, position of power and water supplies, access roads or any other limitations, and no claims for extras will be considered on account of lack of knowledge in this respect.</p> <p>The Contractor must obtain the Project Manager's approval for the siting of temporary buildings , spoils heaps and directions regarding the use of any materials found on the site.</p>	
C	<u>ACCESS TO SITE</u> <p>Access to site shall be as directed by the Project Manager. The Contractor shall strictly observe National police service, NTSA and County Government of Nairobi regulations regarding traffic movement.</p>	
	Preliminaries Carried to collector KShs.	

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A	<p><u>WORKING AND STORAGE SPACE</u></p> <p>Working and storage space will be confined to the area designated by the Project Manager within the site.</p>		
B	<p><u>WORKING HOURS</u></p> <p>The Work must be carried out to cause the minimum inconvenience to the occupants of the adjoining premises. In particular, no hammering, mechanical drilling or other unduly noisy work may be commenced before 8.00 a.m. or continued after 6.00 p.m. without prior approval of the Project Manager.</p>		
C	<p><u>DESCRIPTION OF THE WORKS</u></p> <p>Works shall generally consist of :-</p> <ul style="list-style-type: none"> a) Replacement of existing riser board , c) Supply and installation of DBS d) Test and Commissioning e) All associated Builders works . 		
D	<p><u>APPROVAL OF THE DRAWINGS</u></p> <p>The contractor will provide proposed certified working drawings to be prepared with full site understanding as to how the existing cables will be terminated into the proposed positions of the various outgoing circuite breakers. The Contractor shall furnish 3 copies of the drawing within the first three weeks of site take over and before work commences to the Project Manager for his approval or rejection, Such approved drawings 2 copies shall be filed and kept on site and one copy to to project managers office.</p>		
<p>Preliminaries</p>			
<p>Carried to collection</p>			
<p>KShs.</p>			

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A	<u>GENERAL MATTERS</u>		
	<u>SUFFICIENCY OF TENDER</u>		
	<p>The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his Tender for the works and of the</p> <p>rates and prices stated in the Priced Bills of Quantities, which rates and prices shall cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the Works.</p>		
B	<u>STAMP CHARGES</u>		
	<p>The Contractor shall allow for the payment of all Stamp Charges in connection with the Surety and Contract Agreement.</p>		
C	<u>DEFINITIONS AND ABBREVIATIONS</u>		
	<p>Terms used in these Bills of Quantities shall be interpreted as follows:</p>		
	"Approved"	Shall mean approved by the Project Manager.	
	"as directed"	Shall mean as directed by the Project Manager.	
	"B.S."	Shall mean the current British Standard specifications published by the British Standards Institution, 2 Park Street, London W.1., England.	
	"CM."	Shall mean Cubic Metres.	
	"SM."	Shall mean Square Metres.	
	"LM."	Shall mean Linear Metres.	
	"MM"	Shall mean Millimetres.	
	"KG."	Shall mean Kilogramme.	
	"NO."	Shall mean Number.	
	"M.S"	Shall mean Measured Separately	
	PRS or Prs	Shall mean Pairs	
	a.b.d	Shall mean as before described	
	Ditto or Do	Shall mean the whole of the preceding description except as qualified in the description in which it occurs	
	NTSA	Shall mean National Transport & Safety Authority	
	NPS	National Police Service	
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A	<p><u>PROGRESS SCHEDULE</u></p> <p>The Contractor shall, upon receiving instructions to proceed with the Work, draw up a time and progress Schedule setting out the order in which the Works are to be carried out with the appropriate dates thereof. This Time and Progress schedule is to be agreed with the Project Manager and no deviation from the order set out in this Schedule will be permitted without the written consent of the Project Manager. The Main Contractor will be responsible for arranging the above programme with all Sub-Contractors including the Nominated Sub-Contractors and Nominated Suppliers.</p>	
B	<p><u>FIGURED DIMENSIONS</u></p> <p>Figured dimensions are to be followed in preference to dimensions scaled from the Drawings; but wherever possible dimensions are to be taken on the Site or from the Buildings. Before any Work is commenced by Sub-Contractors or Specialist Firms, dimensions must be checked on the Site and/or buildings and agreed with the Contractor, irrespective of the comparable dimensions shown on the Drawings. The Contractor shall be responsible for the accuracy of such dimensions.</p>	
C	<p><u>PROVISIONAL WORK</u></p> <p>All "Provisional" and other work liable to adjustment under this Contract shall be left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the Quantity Surveyor. Immediately the work is ready for measurement, the Contractor shall give notice to the Quantity Surveyor.</p> <p>If the Contractor makes default in these respects he shall, if the Project Manager so directs, uncover the work at his own expense to enable the measurements to be taken.</p>	
D	<p><u>EXISTING SERVICES</u></p> <p>Prior to commencement of any work the Contractor is to ascertain from the relevant Authorities the exact position, depth and level of all existing electric cables, water pipes or other services in the area and he shall make whatever provisions may be required by the Authorities concerned for the support and protection of such services. Any damage or disturbance caused to any services shall be reported immediately to the Project Manager and the relevant Authority and shall be made good to their satisfaction at the Contractor's expense.</p>	
E	<p><u>TRANSPORT TO AND FROM THE SITE</u></p> <p>The Contractor shall include in his prices for the transport of materials workmen, etc., to and from the Site of the Proposed Works, at such hours and by such routes and vehicles as are permitted by the Authorities and in particular by the Transport Licensing Board and / or the National Transport & Safety Authority.</p>	
F	<p><u>PUBLIC AND PRIVATE ROADS, PAVEMENTS, ETC</u></p> <p>The Contractor will be required to make good, at his own expense any damage he may cause to the present road surfaces and pavements within or beyond the boundary of the Site, during the period of the Works. In particular, all existing trees, shrubs, plants, etc., which may be destroyed or damaged during the progress of the Works are to be made good by the Contractor to the approval of the Project Manager.</p>	
	<p>Preliminaries</p>	<p>Carried to collection</p>
		<p>KShs.</p>

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A	<p><u>POLICE REGULATIONS</u></p> <p>The Contractor is to allow for complying with all instructions and regulations of the police Authorities.</p>	
B	<p><u>ENVIRONMENTAL REGULATIONS</u></p> <p>The Contractor shall observe all the requirements of the National Environment Management Authority (NEMA) and especially those conditions given in the Project's Environmental Impact Assessment Report Approval by NEMA. The shall collaborate with the Environmental Impact Assessment (EIA) expert to ensure that , proposed mitigation measures are adhered to during construction phase and where necessary appropriate mending up activities undertaken and the same reported back to NEMA as required.</p> <p>In particular the Contractor shall give special emphasis to control dust. The contractor shall provide all necessary The Contractor shall put emphasis on controlling noise, vibrations and occupational hazards. The provisions of</p>	
C	<p><u>CONTRACTORS' SUPERINTENDENCE</u></p> <p>The Contractor shall constantly keep on the Works a literate English-speaking Agent or Representative, competent, NCA accredited and experienced in the kind of work involved, who shall give his whole time to the superintendence of the Works. Such Agent or Representative shall receive on behalf of the Contractor, directions and instructions from the Project Manager and such directions and instructions shall be deemed given to the Contractor in accordance with the conditions of the Contract. The Agent shall not be replaced without the specific approval of the Project Manager.</p> <p>It is to be a specific condition of this Contract that the successful Tenderer shall provide on Site throughout the period of construction until the Date for Practical completion a suitably qualified, experienced and competent person to ensure that the works are carried out to the standard required by the specification and detailed on the Drawings; and shall ensure that upon any termination of employment a suitable replacement is found.</p> <p>Such site superrintendent shall have a National Construction Authority's accreditation.</p> <p>Before the Tenderer's offer is accepted the Project Manager may personally interview the Contractor's proposed Representative.</p> <p>A curriculum vitae of past experience and qualifications must be provided for the Project Manager's scrutiny.</p> <p>The Project Manager's decision will be final regarding the suitability of the proposed Representative.</p>	
D	<p><u>WATER</u></p> <p>All water shall be fresh, clean and pure, free from earthy, vegetable or organic mater, acid or alkaline substances in solution or suspension. The Contractor shall provide at his own risk and cost all water for use in connection with the Works (including the work of Sub-Contractors). The Contractor shall provide at his own expense all temporary distribution pipes, storage tanks, metres, etc., and he shall clear away same upon completion of the Works.</p>	
<div>Preliminaries</div> <div>Carried to collection</div> <div>KShs.</div>		

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A	<p><u>LIGHTING AND POWER</u></p> <p>The Contractor shall provide at his own risk and cost all artificial lighting and power for use on the Works, including all Sub-Contractors' and Specialists' requirements and including all temporary connections, wiring, fittings, etc., and clearing away on completion. The Contractor shall pay all fees and obtain all permits in connection therewith.</p>	
B	<p><u>SAFETY</u></p> <p>The Contractor shall comply at all times with the requirements of the Factory Act (Cap 514), Building Construction Rules, Supplement 18, Legal Notice No.40 dated April, 1984 and ensure that the safety of his workpeople and authorised visitors to the Site is protected at all times. In particular there shall be proper provision of planked footways and guard-rails to scaffolding, etc., protection against falling materials and tools and the Site shall be tidy and clear of dangerous rubbish.</p> <p>The Contractor shall appoint a safety officer as required by the Factory Act and notify the Factory Inspector of his name. the safety Officer shall be on Site at all times and all directions given by the Project Manager to the Safety Officer shall be deemed to be Project Manager's Instructions, and shall be complied with promptly without additional cost to the contract.</p> <p>Occupational Safety and Health Act no. 15 of 2007 must also be complied with. The Project Manager shall be empowered to suspend work on the Site should he consider these conditions are not being observed, and no claim arising from such suspension will be allowed.</p>	
C	<p><u>PROTECTIVE CLOTHING</u></p> <p>The Contractor shall provide all protective or any other special clothing or equipment for his employees that may be necessary.</p> <p>This shall include, inter-alia, safety helmets, gloves, goggles, earmuffs, gumboots, overalls, etc., according to the type of work. The Contractor shall ensure that safety helmets are worn by all staff at all times.</p>	
D	<p><u>PROVISIONAL SUMS</u></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 measurements. Such sums are net and no addition shall be made to them for profit.</p>	
E	<p><u>ADJUSTMENT OF PROVISIONAL SUMS</u></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 in variation clause of the conditions of contract, but should any articles for the work be executed by a Nominated Sub-Contractor, or any articles for the work 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>	
F	<p><u>PRIME COST (OR P.C.) SUMS</u></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 Measurements.</p> <p>Persons or firms Nominated to execute the work or to provide and fix materials or goods as stated in the Conditions of Contract are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described as Nominated suppliers.</p>	
	<p>Preliminaries Carried to collection KShs.</p>	

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A	<p><u>ADJUSTMENT OF P.C. SUMS</u></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 quotation, invoices or bills properly receipted as may be necessary to show the actual details of the sums paid by the contractor.</p> <p>Items of profit upon P.C. sums shall be adjusted in the final account prorata to the amount paid.</p> <p>Items of Attendance following P.C. Sums shall be adjusted prorata to the physical extent of the work executed (not prorata to the amount paid) and this shall apply though the Contractor's Bills shows a percentage in the rate column in respect of them.</p> <p>Should the Contractor be permitted to tender and his tender be accepted for any work which a P.C. sum is included in these Bills of Quantities, profit and attendance will be allowed at the same rate as it would if the work were executed by a Nominated Sub-Contractor.</p>	
B	<p><u>NOMINATED SUB-CONTRACTORS</u></p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into subcontracts 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><u>MATERIALS AND WORKMANSHIP</u></p>	
C	<p><u>GENERALLY</u></p> <p>All materials shall be new unless otherwise directed or permitted by the Project Manager and in all cases where the quality of goods or materials is not described or otherwise specified, is to be the best quality obtainable in the ordinary meaning of the word "best" and not merely a trade signification of that word.</p> <p>All materials and workmanship shall, unless otherwise specified or described, conform to the appropriate British Standard Institution specification current at the date of tender.</p> <p>The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that such materials are on Site when required for use in the Works.</p> <p>The Contractor shall be responsible for and shall replace or make good at his own expense any materials lost or damaged.</p> <p>The Works throughout shall be executed by skilled workmen well versed in their respective trades.</p>	
D	<p><u>REJECTED WORKMANSHIP OR MATERIALS</u></p> <p>Any workmanship or materials not complying with the specific requirements or approved samples or which have been damaged, contaminated or have deteriorated, must immediately be removed from the Site and replaced at the Contractor's expense, as required.</p>	
	<p>Preliminaries Carried to collection KShs.</p>	

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A	<p><u>PROPRIETARY MATERIALS</u></p> <p>Where proprietary materials are specified herein-after the contractor may propose the use of materials of other manufacturer but equal quality for approval by the Project Manager.</p> <p>All materials and goods, where specified to be obtained from a particular manufacturer or supplier are to be used or fixed strictly in accordance with their instructions.</p>	
B	<p><u>SAMPLES</u></p> <p>The Contractor shall furnish within the first one week of site take over and before work commences and at his own commences and at his own cost, any samples of materials or workmanship that may be called for by the Project Manager for his approval or rejection, and any further samples in case of rejection until such samples are approved by the Project Manager and such samples, when approved, shall be the minimum standard for the work to which they apply.</p> <p>The sample of Copper cables , MCCB, Distribution boards , shall be required and available for quick reference during the entire period of the contract. The approved samples shall be mounted / applied using the correct methodology, edging and finish as per the bill of quantities; all to reflect the high quality workmanship that will be replicated on the permanent works.</p>	
C	<p><u>CONCRETE TESTS</u></p> <p>Concrete test cubes, will not be required under these works; any concrete works Must be done in the presence of the Project Manager or his/her representative.</p>	
D	<p><u>OTHER MATERIAL TESTS</u></p> <p>The Contractor shall allow for providing samples of all other materials such as reinforcement bars, building sand, cement, building stone, concrete blocks, hardcore, etc, that may be requested by the Project Manager or Engineer for testing. He shall allow for the delivery of the same to the testing Laboratory(ies)), pay the testing fees and any other costs that may be required and arrange for test certificates to be sent directly to the Project Manager or Engineer by the testing Laboratory. Under no circumstances will the Contractor be paid for such tests if he does not allow for that here</p>	
	<p>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p>	

Contractor's Official Rubber stamp and Signature;.....

NRB

Ben, PRELIM/8
21/124

		Shs.
A	<p><u>PROGRAM OF WORKS</u></p> <p>The Contractor shall allow in his programme for the following 11 public holidays per calendar year in Kenya.</p> <ol style="list-style-type: none"> 1. New Year's Day (1st January) 2. Good Friday 3. Easter Monday 4. Labour Day (1st May) 5. Madaraka Day (1st June) 6. Idd Ul Fitr 7. "Utamaduni" Day (10th October) 8. Mashujaa Day (20th October) 9. Jamhuri day (12th December) 10. Christmas Day (25th December) 11. Boxing Day (26th December) <p>The Contractor should also allow per calendar year for a further 2 unspecified public holidays which may be announced by the Government of Kenya with no prior notification.</p>	
B	<p><u>MINISTRY OF HEALTH REGULATIONS</u></p> <p>The Contractor shall adhere to the interim guidelines and protocols for SARS-CoV 2 and COVID 19 which were developed in response to the new Coronavirus Disease 2019. The adherence to these guidelines shall include any periodical updated guidelines by the said MoH - Kenya.</p> <p><u>TEMPORARY WORKS</u></p>	
C	<p><u>OFFICE AND SHEDS</u></p> <p>The Contractor shall erect and maintain temporary office accommodation for his own use, and ample temporary watertight sheds for the proper storage and protection of materials and for the use of artisans and remove when ordered. Floors of sheds shall be at least 150mm above ground level.</p>	
D	<p><u>SANITATION</u></p> <p>The Contractor shall provide the necessary sanitation for his staff and workmen to the requirements and satisfaction of the Health Authorities and maintain the same in a thoroughly clean and sanitary condition and pay all conservancy fees during the period of the Works and remove when no longer required.</p>	
E	<p><u>SECURITY</u></p> <p>The Contractor shall be responsible for the security of the works in every respect and in particular it shall be the Contractor's responsibility to ensure that each of his workers security is guaranteed while working on the site and in such manner as is acceptable by KPLC.</p> <p>The Contractor shall also accept liability for and bear the cost of failure to provide security for the works and workers as per the conditions of this contract once entered into.</p>	
	<p>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p>	

		Shs.
A	<p><u>ALTERATIONS TO BILLS, PRICING, ETC.</u></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>	
B	<p><u>PLANT, TOOLS AND SCAFFOLDING</u></p> <p>The Contractor shall provide all necessary hoists, tackle, plant, vehicles, tools and appliances of every description for the due and satisfactory completion of the works and shall remove same on completion.</p> <p>The Contractor shall provide, erect and maintain all temporary scaffolding, sufficiently strong and efficient for the due performance of the Works, including Sub-Contract works, provide special scaffolding as and when required during the Works and remove on completion and make good.</p> <p>Such scaffolding shall be constructed of tubular steel or timber of sufficient scantlings and be provided with planked footways and guard-rails to approval.</p> <p>All such plant, tools and scaffolding shall comply with all regulations whether general or local, in force throughout the period of the contract and shall be altered or adapted during the Contract as may be necessary to comply with any amendments in or additions to such regulations.</p> <p>Scaffolding is not measured hereinafter, and the Contractor must allow here.</p>	
C	<p><u>EXISTING AND ADJACENT PROPERTY</u></p> <p>The Contractor must take all steps necessary to safeguard existing and adjacent property, make good at his own expense any damage to persons or property caused thereon, and hold the Employer indemnified against any such claim arising.</p> <p>The Contractor will be held fully responsible for the safety of the existing and adjacent buildings and for any damage caused in consequence of these Works. He must reinstate all damage at his own expense and indemnify the Employer against any loss.</p> <p>The Contractor must take such steps and exercise such care and diligence as to minimise nuisance from dust, noise or any other cause to the occupiers of the existing and adjacent property.</p>	
D	<p><u>LABOUR CAMPS</u></p> <p>No labour camps, with the exception of watchmen may be housed on the site and the Contractor shall allow for all transport and other charges in moving labour to and from site at such hours and by such routes as are permitted by the Authorities.</p> <p>The Contractor shall provide, erect and maintain satisfactory housing for the watchmen and shall remove same on completion of the works.</p>	
	<p>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p>	

		Shs.
A	<p><u>INSURANCE</u></p> <p>The Contractor shall insure as required in 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>	
B	<p><u>HOARDING</u></p> <p>The contractor shall enclose the site either wholly or in parts with a holding 2.40 metres high with openings and gates as required, constructed of substantial timbers to approval and covered with new Galvanised iron corrugated sheeting painted to approval.</p>	
C	<p><u>TEMPORARY ROADS</u></p> <p>The Contractor shall provide where directed all temporary access roads, tracks and paths necessary for the execution of the Works, including making good when no longer in use.</p>	
D	<p><u>SIGNBOARD</u></p> <p>The Signboard and lettering on same for the display of the General and</p> <p>Sub-Contractor's names shall be of an approved size with the Employer's name painted there on.</p> <p>The Project Manager's name shall be printed in letters not exceeding 100mm in height all to the Project Manager's design. No other signboard or advertising will be permitted.</p>	
	<p>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p>	

Contractor's Official Rubber stamp and Signature;.....

NRB

Ben
21/1/24

PRELIM/11

		Shs.
A	<p><u>PRIME COST RATES</u></p> <p>Where description of items include a P.C. rate per unit this rate is to cover the nett supply of the unit only. The Contractor's price must include for the cost of the unit at the rate stated, plus waste, taking delivery, storage, fixing in position, profit and overheads.</p> <p>The actual nett cost per unit will be adjusted within the Final Account</p>	
B	<p><u>PROTECTION</u></p> <p>The Contractor shall cover up and protect from damage, including damage from inclement weather, all finished work existing power equipment and unfixed materials, including that of Sub-Contractors, etc., to the satisfaction of the Project Manager until the completion of the Contract, and carefully preserve all trees or bushes on or near the Site.</p>	
C	<p><u>CLEANING</u></p> <p>The Contractor shall, upon completing of the Works, at his own expense, remove and clear away all surplus excavated materials, plant, rubbish and unused materials and shall leave the whole of the Site and Works in a clean and tidy state to the satisfaction of the Project Manager, including clearing away and making good all traces of temporary access roads, offices, sheds camps, etc. Particular care shall be taken to leave clean all floors and windows and to remove all rubbish and dirt as it accumulates. The Contractor is to find his own dump and shall pay all charges in connection therewith.</p>	
D	<p><u>TRAINING LEVY</u></p> <p>The Contractor's attention is drawn to legal Notice No. 237 of October, 1971, which requires payment by the Contractor of Training Levy on all Contracts of more than 50,000/- in value and his Tender must include for all costs arising therefrom.</p>	
E	<p><u>STANDARD LEVY (STANDARDS ACT- CAP 496)</u></p> <p>The Contractor's attention is drawn to legal Notice No. 267 of 2nd June, 1990 which requires payment by the Contractor of the Standards Levy at a rate of 0.2% of the contract sum less allocation for prime cost sums and provisional sums, subject to a ceiling of KShs. 400,000.00 per annum. The Contractor must therefore include for all costs (if any) arising or resulting therefrom.</p>	
F	<p><u>NATIONAL CONSTRUCTION AUTHORITY LEVY (NCA)</u></p> <p>The contractor shall comply with all necessary National Construction Authority Act requirements including NCA levy. No claims for failure to comply with the NCA act will be entertained.</p>	
G	<p><u>DEVELOPMENT APPROVALS</u></p> <p>The contractor shall allow for all necessary county government permits & approvals with regard to these works. No claim for failure to comply with county governments requirements shall be entertained.</p> <p>Allow for all necessary permits/approvals by the County Government of Nairobi.</p>	
H	<p><u>VALUE ADDED TAX</u></p> <p>The Contractor's attention is drawn to the Finance Act 1993 and subsequent amendments thereof which requires payment by the Contractor of Value Added Tax (VAT) on construction services rendered. Whether VAT is added at the grand summary page or inclusive in the rates, The tender sum as stated in the form of tender shall be deemed to be inclusive of VAT.</p>	
J	<p><u>BILL OF QUANTITIES SITE COPY</u></p> <p>It shall be a requirement under this contract for the contractor to keep a true and complete copy of the unpriced tender document on site at all times. The contractor shall also be expected to keep in his possession a true and complete copy of the priced tender document.</p>	
	<p>Preliminaries Carried to collection KShs.</p>	

	<p align="center"><u>COLLECTION</u></p> <p>From pa P/1</p> <p>" " P/2</p> <p>" " P/3</p> <p>" " P/4</p> <p>" " P/5</p> <p>" " P/6</p> <p>" " P/7</p> <p>" " P/8</p> <p>" " P/9</p> <p>" " P/10</p> <p>" " P/11</p> <p>" " P/12</p> <p>" " P/13</p>	
	<p align="center"><u>TO SUMMARY</u> <u>AT END OF BILL</u></p>	
<p><u>PRELIMINARIES</u></p> <p>Preliminaries</p>		<p><u>KSHS.</u></p>

Contractor's Official Rubber stamp and Signature;.....

NRB

Ben
31/1/24

PRELIM/14

BILL No 2

ELECTRICAL WORKS

PRICE SCHEDULE-ELECTRICAL WORKS

CATEGORY A-ELECTRICITY HOUSE NAIROBI

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
LOT 1:	SUPPLY & INSTALLATION OF RISER BOARDS & ACCESSORIES					
A	GENERAL ITEMS					
A/1	Allow for the inspection of the Riser LV and meter boards, decommissioning, disconnection of the existing boards and services and handing over to the client with signed delivery note, modifications and replacement of any accessories such as cable glands and lugs etc.	Lot	1			
A/2	Allow for the preparation of all "As Built – one line diagrams" drawings after testing and commissioning	Set	2			
A/3	The Tenderer is to describe hereunder inserting any relevant clause number, any other works, obligations or items that may be referred to in the Conditions of Contract, Specification, Drawings or Data Schedule in respect of the works for which he desires to enter a separate charge (this charge is to be entered in the Amount column). If no charge is entered hereunder, rates and amounts elsewhere in the schedule of prices shall be deemed to cover all expenses for such works, obligations or items.	Lot	1			
TOTAL FOR GENERAL ITEMS CARRIED TO SUMMARY						

Contractor official Rubber Stamp Signature.....

NRB

Selly
5/2/2024

EW/1

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
B	RISERS DISTRIBUTION BOARDS REFURBISHMENT					
B/1	Decommissioning of existing Distribution boards, Fuses and tiding the risers, Painting	Lot	1			
B/2	Tracing of line and ensuring retouch of existing circuits and labelling to detailed.	Lot	1			
B/3	Making good all electrical wiring and electrical fittings, Labeling of all circuits	Lot	1			
B/4	SUPPLY AND INSTALLATION OF DBS					
B/4.1	UCHUMI WING					
B/4.1.1	FIRST FLOOR					
B/4.1.1.1	LIGHTING DBL1					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

EW/2

5/2/2024

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Isolator 60A, 415v, 50hz	No.	1			
	Contactors 20A	No.	6			
	Control fuse 15A	No.	1			
	5A	No.	24			
	10A	No.	3			
	12.5A	No.	1			
	Master Control switch	No.	1			
B/4.1.1.2	SOCKETS DBP1					
	12 way TPN DBs 100A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 415v, 50hz	No.	1			
	Double pole 100A	No.	1			
	20A	No.	3			
	30A	No.	14			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

5/2/2024

EW/3

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
B/4.1.2.	2 ND FLOOR					
B/4.1.2.1	LIGHTING DBL2					
	12 way TPN DBs 125A 4P Isolators at 415V/ac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	6			
	Control fuse 15A	No.	1			
	5A	No.	20			
	7.5A	No.	1			
	10A	No.	5			
	15A	No.	2			
	Master Control Switch	No.	1			
B/4.1.2.2	SOCKETS DBP2					
	12 way TPN DBs 125A 4P Isolators at 415V/ac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Double pole 100A	No.	2			
	15A	No.	3			
	Double pole 60A	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Relly
5/2/2024

ENM/4

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	30A	No.	18			
B/4.1.3	THIRD FLOOR					
B/4.1.3.1	LIGHTING DBL3					
	12 way TPN DBs 125A 4P Isolators at 415V/ac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 415v, 50hz	No.	1			
	Contactors 20A	No.	6			
	Control fuse 15A	No.	1			
	5A	No.	12			
	10A	No.	14			
	15A	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Stelly
5/2/2024

EW/5

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Master Control Switch	No.	1			
B/4.1.3.2	SOCKETS DBP3					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 415v, 50hz	No.	1			
	Double pole 30 A CB (100A)	No.	1			
	30A	No.	17			
B/4.1.4	FOURTH FLOOR					
B/4.1.4.1	LIGHTING DBL4					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

5/2/2024

EW/6

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	6			
	Control fuse 15A	No.	1			
	5A	No.	20			
	10A	No.	6			
	15A	No.	1			
	30A	No.	1			
	Master Control Switch	No.	1			
B/4.1.4.2	SOCKETS DBP4					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Double pole 3P 30 A CB	No.	1			
	Double pole 3P 100 A CB	No.	1			
	30A	No.	13			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

5/2/2024

EW/7

[illegible]

Contractor official Rubber Stamp Signature.....

NRB

EW18

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
B/4.1.5.2	SOCKETS DBP5					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Double pole 2P 100 A CB	No.	1			
	30A	No.	10			
B/4.1.6	SIXTH FLOOR					
B/4.1.6.1	LIGHTING DBL6					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contractors 20A	No.	4			
	Control fuse 15A	No.	1			
	5A	No.	16			
	10A	No.	2			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

9014
5/21/2024

EW/9

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	15A	No.	2			
	Master Control Switch	No.	1			
B/4.1.6.2	SOCKETS DBP6					
	12 way TPN DBs 100A 4P Isolators at 415V/ac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A CB	No.	1			
	Double pole switch 2P 100 A	No.	1			
	30A	No.	10			
B/4.1.7	SEVENTH FLOOR					
B/4.1.7.1	LIGHTING DBL7					
	12 way TPN DBs 125A 4P Isolators at 415V/ac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

8/2/2024

EW/10

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Contractors 20A	No.	4			
	Control fuse 15A	No.	1			
	5A	No.	13			
	10A	No.	5			
	20A	No.	1			
	Master Control Switch	No.	1			
B/4.1.7.2	SOCKETS DBP7					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Double pole 60 A 2P	No.	1			
	Double pole 100 A 2P	No.	1			
	30A	No.	8			
B/4.1.8	EIGHTH FLOOR					
B/4.1.8.1	LIGHTING DBL8					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

5/2/2024

EW/11

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	1			
	Control fuse 15A	No.	1			
	5A	No.	17			
	7.5A	No.	1			
	10A	No.	5			
	Master Control Switch	No.	1			
B/4.1.8.2	SOCKETS DBP8					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Double pole 3P 30 A CB	No.	1			
	Double pole 2P 100 A CB	No.	1			
	5A	No.	2			
	20A	No.	2			
	30A	No.	5			
	50A	No.	2			
B/4.2	HARAMBEE					
B/4.2.1	FIRST FLOOR					
B/4.2.1.1	LIGHTING DBL1					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

5/2/2024

EW/12

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	7			
	Double pole Switch 100A 3P	No.	1			
	Double pole Switch 100A 2P	No.	1			
	5A	No.	21			
	10A	No.	11			
	15A	No.	4			
	20A	No.	2			
	30A	No.	18			
	Master Control Switch	No.	1			
B/4.2.1.2	SOCKETS DBP1					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Double pole Switch 60A 3P CB	No.	1			
	Double pole Switch 5A MCB	No.	1			
	Double pole Switch 40A 3P	No.	1			
	Double pole Switch 5A CB 3P	No.	1			
	Double pole Switch 20A 3P	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Selly
5/2/2004

ENW/13

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	30A	No.	9			
B/4.2.2	2 ND FLOOR					
B/4.2.2.1	LIGHTING DBL2					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	4			
	Control fuse 15A	No.	1			
	Double pole Switch 100A 2P ISO	No.	1			
	5A	No.	13			
	7.5A	No.	2			
	10A	No.	2			
	15A	No.	2			
	30A	No.	5			
	Master Control Switch	No.	1			
B/4.2.2.2	SOCKETS DBP2					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 415v, 50hz	No.	1			
	Double pole 30A CB	No.	1			
	Double pole 100A	No.	1			
	5A	No.	9			
	10A	No.	3			
	30A	No.	6			
	Carried to collection					

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
B/4.2.3	THIRD FLOOR					
B/4.2.3.1	LIGHTING DBL3 12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of: Tap off fuse 60 A Isolator 60A, 415v, 50hz Control fuse 15A Double pole 100A 5A 10A 15A 30A Master Control Switch	No. No. No. No. No. No. No. No. No.	1 1 1 3 1 16 4 2 1 1			
B/4.2.3.2	SOCKETS DBP3 12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of: Tap off fuse 60 A Isolator 60A, 415v, 50hz Contactors 20A Double pole 63A CB 5A 10A 15A 30A	No. No. No. No. No. No. No. No.	1 1 1 3 1 10 2 4 7			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

5/2/2024

EW/15

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
B/4.2.4	FOURTH FLOOR					
B/4.2.4.1	LIGHTING DBL4					
	12 way TPN DBs 125A 4P Isolators at 415V _{ac} , 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	4			
	Control fuse 15A	No.	1			
	Double pole 100 A	No.	1			
	5A	No.	14			
	10A	No.	4			
	15A	No.	2			
	Master Control Switch	No.	1			
B/4.2.4.2	SOCKETS DBP4					
	12 way TPN DBs 125A 4P Isolators at 415V _{ac} , 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Carried to collection					
	Contactors 20A	No.	3			
	Double pole 100 A 2P	No.	3			
	5A	No.	8			
	10A	No.	4			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Stall
5/21/2024

EW/16

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	30A	No.	10			
B4.2.5	FIFTH FLOOR					
B4.2.5.1	LIGHTING DBLS					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	4			
	Control fuse 15A	No.	1			
	5A	No.	14			
	10A	No.	3			
	15A	No.	1			
	20A	No.	1			
	Master Control Switch	No.	1			
B4.2.5.2	SOCKETS DBPS					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Double pole Switch 63 A CB	No.	1			
	5A	No.	3			
	30A	No.	5			
	50A	No.	2			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

5/21/2024

EW/17

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
B/4.2.6	SIXTH FLOOR					
B/4.2.6.1	LIGHTING DBL6					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	4			
	5A	No.	14			
	15A	No.	3			
	50A	No.	1			
	Master Control Switch	No.	1			
B/4.2.6.2	SOCKETS DBP6					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Double pole switch 63A CB	No.	1			
	30A	No.	5			
B/4.2.7	SEVENTH FLOOR					
	LIGHTING DBL7					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
B/4.2.7.1	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Sally
5/2/2024

EW/18

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Contactors 20A	No.	4			
	Control fuse 15A	No.	1			
	5A	No.	15			
	10A	No.	2			
	20A	No.	2			
	Master Control Switch	No.	1			
B/4.2.7.2	SOCKETS DBP7					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	1			
	Timer	No.	1			
	Double pole 100 A	No.	1			
	5A	No.	2			
	10A	No.	2			
	15A	No.	2			
	20A	No.	1			
	30A	No.	5			
B/4.2.8	EIGHT FLOOR					
B/4.2.8.1	LIGHTING DBL8					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors	No.	4			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Delly
5/2/2024

EW/19

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Control fuse 15A	No.	1			
	5A	No.	10			
	10A	No.	5			
	15A	No.	1			
	Master Control Switch	No.	1			
B/4.2.8.2	SOCKETS DBP8					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Double pole 100 A CB	No.	1			
	30A	No.	5			
B/4.2.9	NINTH FLOOR					
B/4.2.9.1	LIGHTING DBL9					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	4			
	Control fuse 15A	No.	1			
	10A	No.	15			
	Master Control Switch	No.	1			
B/4.2.9.2	SOCKETS DBP9					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Spilly
5/21/2024

EW/20

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Double pole 100 A CB 30A	No. No.	1 5			
B/4.2.10	TENTH FLOOR					
B/4.2.10.1	LIGHTING DBL10					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contractors 20A	No.	4			
	Control fuse 15A	No.	1			
	Carried to collection					
	5A	No.	8			
	7.5A	No.	1			
	10A	No.	6			
	12.5A	No.	1			
	Master Control Switch	No.	1			
B/4.2.10.2	SOCKETS DBP10					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Control fuse 15A	No.	1			
	Double pole 2P 100 A 30A	No. No.	1 5			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

21/2/2024

EW/21

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
B/4.2.11	ELEVENTH FLOOR					
B/4.2.11.1	LIGHTING DBL11					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	4			
	Control fuse 15A	No.	1			
	5A	No.	12			
	10A	No.	4			
	Master Control Switch	No.	1			
B/4.2.11.2	SOCKETS DBP11					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Control fuse 15A	No.	1			
	Double pole 2P 100 A CB	No.	2			
	30A	No.	10			
B/4.2.12	TWELFTH FLOOR					
B/4.2.12.1	LIGHTING DBL12					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	4			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Selly
5/21/2014

EW/22

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	Control fuse 15A	No.	1			
	Double pole	No.	1			
	5A	No.	10			
	7.5A	No.	5			
	10A	No.	1			
	Master Control Switch	No.	1			
B/4.2.12.2	SOCKETS DBP12					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Double pole	No.	1			
	5A	No.	2			
	30A	No.	4			
	50A	No.	2			
B/4.2.13	THIRTEENTH FLOOR					
B/4.2.13.1	LIGHTING DBL13					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	4			
	Control fuse 15A	No.	1			
	7.5A	No.	15			
	10A	No.	2			
	Master Control Switch	No.	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Selly
15/2/2024

ENW/23

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
B/4.2.13.2	SOCKETS DBP13					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Double pole	No.	1			
	5A	No.	2			
	30A	No.	5			
B/4.2.14	FORTEENTH FLOOR					
B/4.2.14.1	LIGHTING DBL14					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	5			
	Control fuse 15A	No.	1			
	5A	No.	18			
	1CA	No.	2			
	Master Control Switch	No.	1			
B/4.2.14.2	SOCKETS DBP14					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Double pole Switch 100 A	No.	2			
	5A	No.	5			
	15A	No.	2			
	30A	No.	5			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

5/2/2024

EW/24

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY/DE LIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
B/4.2.15.	BASEMENT LIGHTING DBB					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	2			
	Control fuse 15A	No.	1			
	Double pole Switch 100 A ISO 2P	No.	1			
	Double pole Switch 60 A	No.	1			
	5A	No.	6			
	10A	No.	4			
	30A	No.	6			
	Master Control Switch	No.	1			
B/4.2.16	GROUND LIGHTING DBL KITCHEN					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Tap off fuse 60 A	No.	1			
	Isolator 60A, 500v, 50hz	No.	1			
	Contactors 20A	No.	3			
	Double pole Switch 100 A 3P	No.	1			
	5A	No.	18			
	10A	No.	10			
	15A	No.	2			
	Master Control Switch	No.	1			
B/4.2.17	GROUND POWER DBP KITCHEN					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Double pole Switch 100 A 3P	No.	1			
	Carried to collection	No.	1			

Contractor official Rubber Stamp Signature.....

NRB

Selly
5/1/2024

EW/25

ITEM	DESCRIPTION	UNIT	QTY	WARRANTY / DELIVERY SCHEDULE	UNIT PRICE DDP VAT EXCLUSIVE	TOTAL PRICE DDP VAT EXCLUSIVE
	5A	No.	2			
	30A	No.	5			
	32A	No.	2			
B/4.2.18	GROUND LIGHTING DBL SHOWROOM					
	12 way TPN DBs 125A 4P Isolators at 415Vac, 50Hz; each comprising of:	No.	1			
	Contactors	No.	1			
	Control fuse 15A	No.	1			
	Double pole Switch 100 A 2P	No.	1			
	5A	No.	10			
	10A	No.	9			
	15A	No.	4			
	20A	No.	2			
	25sq mm 4 core PVC/SWA/PVC cable	metres	60			
B/5	Allow for (provisional) 16mm sq cable (single core PVC/SWA/PVC) to be used on the risers. Bidders to do site inspection to ascertain cable requirements before quoting this section.	metres	150			
C	Testing and Commissioning	Item	1			
	Carried to collection					

Contractor official Rubber Stamp Signature.....

NRB

Stally
5/2/2024

EW/26

COLLECTION								
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TOTAL FOR SUPPLY AND INSTALLATION OF DBS CARRIED TO SUMMARY								
SUMMARY PAGE								

Contractor official Rubber Stamp Signature.....

NRB

DBL
5/21/2024

ENW/27

**PROPOSED REPLACEMENT OF RISER DISTRIBUTION BOARDS AND
ASSOCIATED BUILDING REPAIRS FOR ELECTRICITY HOUSE NAIROBI.**

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	BILL No. 3 BUILDERS WORKS- PROPOSED BUILDING REPAIR WORKS <u>ELEMENT 1</u> <u>DEMOLITIONS AND ALTERATIONS (All Provisional)</u> <u>The items of demolitions and removal shall include making good disturbed areas to match existing and loading and carting away debris unless otherwise</u>				
A	Carefully remove existing broken and worn out wooden door leaves size 1900x500; including all fixing accessories and making good disturbed works and preserve on site as directed and instructed by the project manager and replace with new ones M/S .	5	No		
B	Ditto double leaf size 1900x1840.	4	No		
C	Carefully remove cable duct wooden flush door leaves size 1900x500 and allow for transportation to factory for lamination and refitting as necessary measured seperately	12	No		
	TOTAL FOR DEMOLITION AND ALTERATIONS CARRIED TO SUMMARY				

Contractor's Official rubber stamp and Signature:...

NRB

Rem
87/1124

BW /1

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>NEW WORKS</u>				
	<u>ELEMENT No. 2</u>				
	<u>DOORS</u>				
	<u>TIMBER DOORS</u>				
	<u>Hard wood (Camphor) timber door to details of the project manager</u>				
A	40mm thick one and half fire rated solid core flash door single leaf 500x1950mm overall camphor veneered both sides with liping excluding frames.	5	No.		
B	Ditto but 45mm thick double leaf size 1620x2560mm with lipped leaf rebated with security astragal.	4	No		
C	Take delivery on site the recovered 40mm thick duct flash doors size 500x1950, factory laminate with water proof material bench in colour (formica or equivalent) exterior side including; re- lipping, 3No batt hinges M/s and fixing in position to project manager's approval.	12	No		
	<u>Iron mongery</u>				
	<u>Supply and fix the following to UNION catalogue or other equal and approved</u>				
	<i>To softwood, hardwood or the like fixing with screws</i>				
D	50mm brass butt hinges	18	prs		
	<u>Painting and Decorations</u>				
	<u>On wood</u>				
	<u>Prepare and apply one undercoat Two finishing coats first grade varnish (Polyurethane clear varnish - gloss) to wood surfaces.</u>				
E	Backs of frame, architraves, etc over 100mm but not exceeding 150mm girth	105	lm		
F	General surfaces of timber doors over 300mm girth; both surfaces.	154	sm		
	TOTAL FOR DOORS CARRIED TO SUMMARY				

Contractor's Official rubber stamp and Signature:...


NRB

Run BW / 2
8/11/24

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>ELEMENT No. 3</u> <u>METAL WORKS.</u> <u>PURPOSE - MADE UNITS</u> <u>Meter box complete with hinges, glass panes and sheet metal hoods etc assembled and fixed to including cutting and pinning lugs to concrete or block work surround and bedding frame in cement and mortar (1.4) steel box comprising 25x25x3mm framing, 12mm thick wooden ligning and all primed with grey oxide.</u>				
A	3000 x2000x500mm (LxWxD) meter box complete 25x25x3mm angle frame , 2mm thick plain sheet infill ,3x150mm lockable tower bolts. <u>Painting and Decorations</u> <u>On Metal work</u> <u>Prepare and apply one under coat (metal primer) and two coats finishing coats (super gloss) to Crown Solo or other equal and approved to: -</u>	1	No		
B	General surfaces of metal meter box over 300mm girth; both surfaces.	34	SM		
TOTAL FOR METAL WORKS CARRIED TO SUMMARY					

Contractor's Official rubber stamp and Signature:...

NRB

 BW /3
 21/1/24

PRIME COSTS & PROVISIONAL SUMS

Official Rubber stamp Signature:.....

NRB.

Dem PC/1
31/1/24

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMNT
A	<u>Allow the following PROVISIONAL SUM to be expended in whole or in part upon the directions of the PM</u>				
	Contingences Kenya Shillings THREE HUNDRED FOURTY FIVE THOUSANDS, SEVEN HUNDRED THIRTY SIX (KShs. 345,736.00)only for contingencies	1	ITEM	345,736	345,736.00
	<u>PRIME COST SUMS</u>				
	<u>Allow for the following PRIME COST SUMS for works to be executed by a domestic sub-contractor</u>				
B	Builders works Kenya Shillings. From builders works carried forward from page BW/5.	1	ITEM		
C	Allow for Attendance		ITEM		
D	Allow for profits and over heads		%		
	TOTAL FOR PROVISIONAL COST AND PRIME COST CARRIED TO GRAND SUMMARY				

Official Rubber stamp Signature:.....

NRB.

PC/2
8/11/24

PROPOSED REPLACEMENT OF RISER DISTRIBUTION BOARD AND ASSOCIATED WORKS AT ELECTRICITY HOUSE NAIROBI

GRAND SUMMARY

BILL NO.	DESCRIPTION	Page No.	K.SHS.	CTS.
A	Preliminaries .	PRELIM/14		
B	Electrical works	E.W/25		
C	Prime cost & Provisional Sum.	PC/2		
	Sub-Total VAT exclusive			
	Add 16% VAT			
GRAND TOTAL TENDER SUM (VAT INCLUSIVE)				

Amount In Words:

Kenya Shillings:.....

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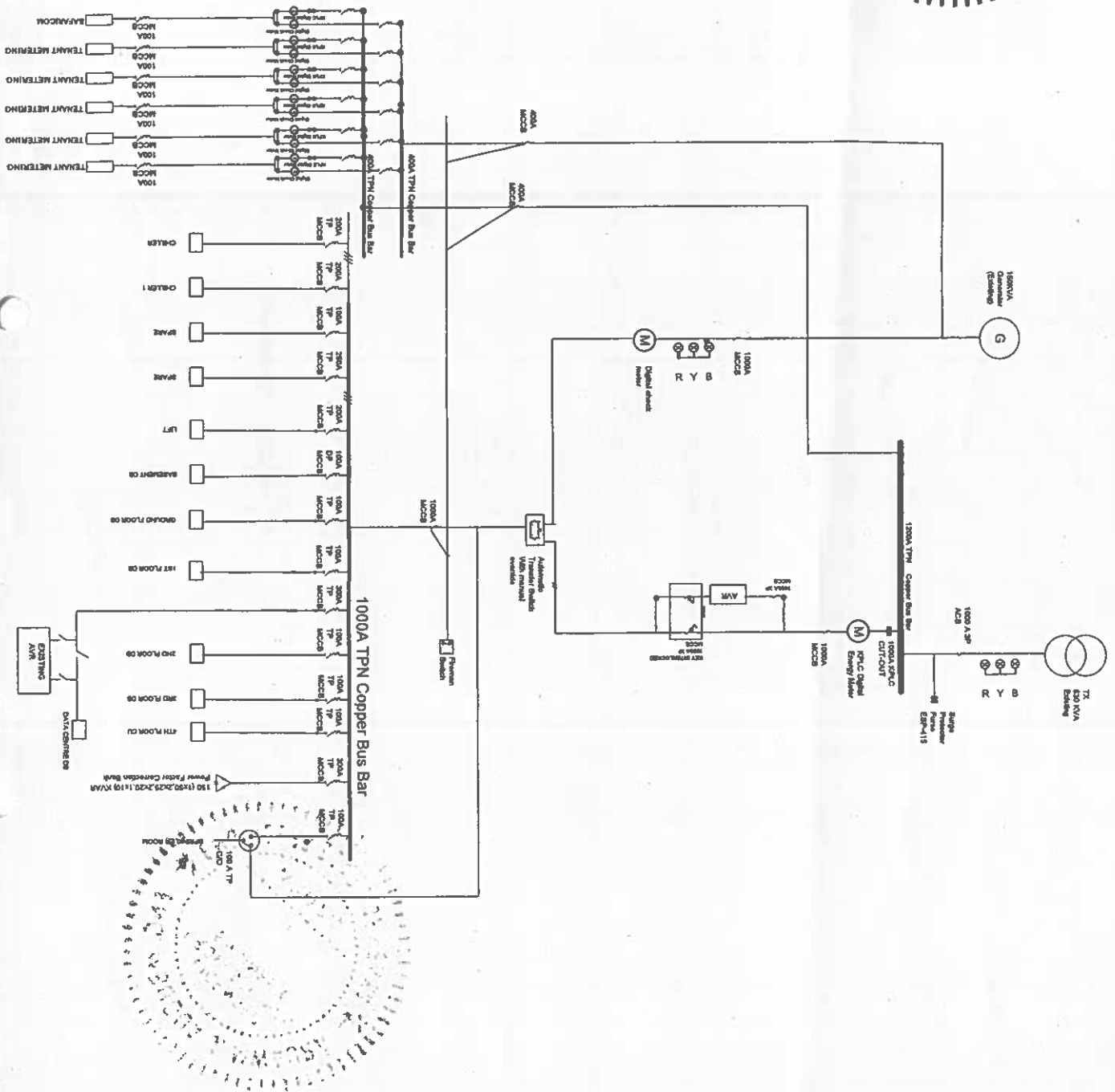
Name of Contractor:.....

Signature:.....

Date:.....

Contractor's Official Rubber stamp and Signature:.....NRB.

Rem GS/1
 31/1/24

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