

PROPOSED RENOVATION OF KPLC'S NAIROBI WEST TRANSFORMER SHED

| NO | PRELIMINARIES DESCRIPTION | AMNT (KSh) |
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| A | <p>BILL NO. 1 <u>PRELIMINARY PARTICULARS</u> <u>NAME OF PARTIES</u></p> <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 Principal 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 | <p><u>DESCRIPTION OF SITE</u></p> <p>The site is located on western part of Nairobi, about 6.3 km and 6.7 km away, via Langata Road and Haile Selassie Ave, respectively</p> <p>The Contractor shall obtain the Project Manager's approval for the siting of all temporary buildings, spoil heaps, temporary paths and storage areas for materials.</p> <p>The Contractor shall visit the Site to acquaint himself with its nature and position, the nature of the ground, substrata 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 and directions regarding the use of any materials found on the site.</p> | |
| C | <p><u>ACCESS TO SITE</u></p> <p>Access to site shall be as directed by the Project Manager. The Contractor shall strictly observe police & NTSA regulations regarding traffic movement.</p> <p>Preliminaries Carried to collection KShs.</p> | |



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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 plot boundary.</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>The Works comprise but not limited to the following</p> <ul style="list-style-type: none"> a) Roof works b) Ceiling works c) Floor works d) Painting works e) Plumbing works f) Eletctrical works <p><u>External Works</u></p> <p>All as per drawings and Bills of Quantities.</p> | |
| D | <p><u>SUFFICIENCY OF TENDER</u></p> <p>The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his Tender for the Works and of the rates and prices stated in the Priced Bills of Quantities, 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> | |
| E | <p><u>STAMP CHARGES</u></p> <p>The Contractor shall allow for the payment of all Stamp Charges in connection with the Surety and Contract Agreement.</p> | |
| | <p>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p> | |



GENERAL MATTERS**A DEFINITIONS AND ABBREVIATIONS**

Terms used in these Bills of Quantities shall be interpreted as follows:

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| "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.I., 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 |
| KS | Kenya Standards |
| 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 of Kenya |
| E.o | Shall mean Extra Over |
| bsm | Shall mean both sides measured |

B PROGRESS SCHEDULE

The Contractor shall, upon receiving instructions to proceed with the Works, 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.

Preliminaries

Carried to collection

KShs.



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| A | <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> | |
| B | <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> | |
| C | <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> | |
| D | <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> | |
| E | <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> | |
| F | <p><u>POLICE REGULATIONS</u></p> <p>The Contractor is to allow for complying with all instructions and regulations of the police Authorities.</p> | |
| | <p>Preliminaries</p> | <p>Carried to collection</p> |
| | | <p>KShs.</p> |



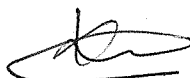
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| A | <p><u>ENVIRONMENTAL REGULATIONS</u></p> <p>The Contractor shall observe all the requirements of the National Environment Management Authority (NEMA) and especially those conditions given in the Project's Environmental Impact Assessment Report Approved by NEMA. The Contractor 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 dust screens to prevent dust from the construction works affecting neighbouring property. The dust screens shall be approved by the Project Manager and be acceptable to NEMA officials. The Contractor shall also control dust on site by appropriate watering of the sources of dust.</p> <p>The Contractor shall put emphasis on controlling noise, vibrations and occupational hazards. The provisions of the Occupational Safety and Health Act No. 15 of 2007 must be strictly observed.</p> <p><u>B CONTRACTORS' SUPERINTENDENCE</u></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 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><u>C CONTRACTORS' SUPERINTENDENCE -(CONTINUED)</u></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> | |
| | <div>Preliminaries</div> <div>Carried to collection</div> <div>KShs.</div> | |



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| A | <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</p> <p>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> <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> <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</p> <p>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> <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> | |
| | <p>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p> | |



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| | <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> <p>A <u>REJECTED WORKMANSHIP OR MATERIALS</u> 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>B <u>PROPRIETARY MATERIALS</u> 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> <p>C <u>SAMPLES</u> The Contractor shall furnish within the first two weeks of site take over and before work commences and</p> <p>D <u>CONCRETE TESTS</u> 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> <p>E <u>OTHER MATERIAL TESTS</u> 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> | |
| Preliminaries | Carried to collection | KShs. |



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| 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> |



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| A | <p><u>WORKING DRAWINGS</u></p> <p>Allow for preparation and approval of final set of working drawings in A1 size; using the attached drawings; all by a licenced Architect & licenced Structural Engineer where necessary including all necessary county government's approvals within the first two (2No.) weeks after contract signing; or as may be agreed upon by the Project Manager</p> | |
| B | <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> | |
| C | <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> | |
| D | <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> | |
| Preliminaries | Carried to collection | KShs. |



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| A | <p>INSURANCE</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>LABOUR CAMPS</u></p> <p>No labour, 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. The Contractor shall provide, erect and maintain satisfactory housing for the watchmen and shall remove same on completion of the works.</p> | |
| C | <p><u>HOARDING</u></p> <p>The Contractor shall enclose the Site with a hoarding 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> | |
| D | <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> | |
| E | <p><u>SIGNBOARD</u></p> <p>The Signboard and lettering on same for the display of the General and Sub-Contractor's names shall be of an approved size with the Employer's name painted thereon. 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> | |
| F | <p><u>NOMINATED SUB-CONTRACTORS AND SUPPLIERS</u></p> <p><u>NOMINATED SUB-CONTRACTORS</u></p> <p>The Contractor shall be responsible for Nominated Sub-Contractors in every respect and in particular it shall be the Contractor's responsibility to ensure that each Sub-Contractor commences and completes the work in such manner and is ready on the Site with his materials, labour and special plant at such times so as to conform with the progress Schedule, as specified previously, and so ensure satisfactory progress.</p> <p>The Contractor shall also accept liability for and bear the cost of General Attendance on Nominated Sub-Contractors which shall be deemed to include for:</p> | |
| Preliminaries | Carried to collection | KShs. |



NOMINATED SUB-CONTRACTORS - CONTINUED

Allowing the use of standing scaffolding, maintenance and alteration of all scaffolding, retention of all scaffolding until such time as all relevant Sub-Contractors' works are complete and removal of all scaffolding on completion. Providing space for office accommodation, and for storage of plant and materials; allowing use of sanitary accommodation; the supply of all necessary water, and lighting; and clearing away all rubbish.

The items for "General Attendance" given herein-after following P.C. Sums in respect of Sub-Contractors' work shall be deemed to include all the above.

The Contractor shall also accept liability for and bear the cost of Special Attendance on Nominated Sub-Contractors which shall include for one or more of the following:

Unloading, storing, hoisting, placing in position, providing power, provision of special scaffolding.

The items of "Special Attendance" given herein-after following P.C. Sums shall include any one or more of the above items as set out in the particular reference.

Cutting away for and making good after the work of Sub-Contractors as may be required will be measured and valued separately by the Surveyor.

A NOMINATED SUPPLIERS

The cost of "Fix only" materials to be obtained from Nominated Suppliers which are covered by prime Cost or Provisional Sums shall include for taking delivery where directed, checking with invoices or indents, reporting and claiming damages for shortages and damaged goods, defraying demurrage signing for as having been received in good order, transporting, unloading, storing, covering and protecting until the time of fixing, unpacking, replacing anything lost or damaged, sorting, assembling, hoisting to required levels and fixing as described.

Before placing any orders with Nominated Sub-Contractors or Nominated Suppliers the Contractors must ascertain that the terms and conditions of the quotations and the dates of delivery of materials or execution of works comply with the terms of Contract and the Progress Schedule.

B PRIME COST RATES

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.

The actual nett cost per unit will be adjusted within the Final Account against the P.C. rate stated.

Preliminaries

Carried to collection

KShs.



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| A | <p><u>PROTECTION</u></p> <p>The Contractor shall cover up and protect from damage, including damage from inclement weather, all finished work 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> | |
| B | <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> | |
| C | <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> | |
| D | <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> | |
| E | <p><u>NATIONAL CONSTRUCTION AUTHORITY LEVY (NCA)</u></p> <p>The contractor shall comply with any required NCA approvals including any costs associated with execution of the works and registration of project.</p> | |
| F | <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 allowed for all necessary permits/approvals by the County Government of Nairobi</p> | |
| G | <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 unless otherwise stated in the tender document and specifically in the KPLC online tendering portal.</p> | |
| | <p>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p> | |

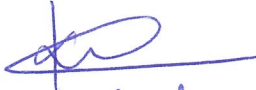


**ESTIMATES FOR THE PROPOSED REFURBISHMENT OF NAIROBI WEST GENERATION
BUILDING FOR CONVERSION INTO A TX REPAIR BUILDING.**


| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT KSHS |
|------|---|-----|------|------|-------------|
| | <u>BILL NO. 2 : MAIN BUILDING WORKS</u> | | | | |
| | <u>ELEMENT NO 1. :</u> The items of demolitions and removal shall include scaffolding and ladders approximately 10m high where necessary, making good disturbed areas to match existing and loading and carting away | | | | |
| | <u>Demolition and Downtakings</u> | | | | |
| | <u>Storm drainage</u> | | | | |
| A | Remove all debris, garbage and dirt from existing in-situ cast/p.c.c IBD storm drainage channel, inspect for damage and/or deterioration, make general repairs, re-align gradient and clean to leave in good working order | 63 | Lm | | |
| | <u>Walls</u> | | | | |
| B | Allow for careful demolition of internal 250mm thick concrete walls. | 35 | Sm | | |
| | <u>Paving</u> | | | | |
| C | Allow for careful removal of cover trench in external c/s screed floor as directed on site, protecting all service lines and appropriately cart away all arising debris. | 30 | Sm | | |
| | <u>Roofing</u> | | | | |
| D | Carefully remove all existing 200x25mm fascia boards, gutters and downpipes on all storey structures and store house and cart away arising. | 105 | Lm | | |
| | <u>Provide assistance compliance with Environmental management and coordination (Waste management) Regulation, 2015. including undertaking EIA and obtaining necessary approval and advice. Works to be executed by a special sub-contractor.</u> | | | | |
| E | Carefully ensure safe removal ,handling, packing and transporting of all existing 2000x900mm asbestos roof covering in the storey structures and dispose them safely. | 450 | Sm | | |
| | Carried to Collection | | | | - |


8/02/2024


| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT KSHS |
|------|--|-----|------|------|-------------|
| | <u>ELEMENT NO 2.</u> <u>WINDOWS</u> | | | | |
| | <u>Glazing</u> | | | | |
| A | Supply and fix 5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty | 2 | Sm | | |
| | <u>Painting</u> | | | | |
| B | Prepare and apply first quality paint two coats to previously painted window sill surfaces, Emulsion Red Oxide paint or equivalent as advised by the Project Manager | 13 | Lm | | |
| C | Ditto first quality gloss oil paint to "Crown" Solo or other equal and approved to general window surfaces, over 300mm girth internally | 40 | Sm | | |
| | Carried to Collection | | | | - |


08/02/2024

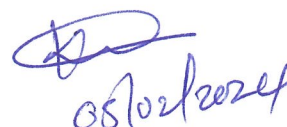
| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT KSHS |
|-----------------------|---|-----|------|------|-------------|
| | <u>ELEMENT NO 3.</u> <u>DOORS</u> | | | | |
| A | Allow a provisional sum for repair of cracks, greasing the moving parts of sliding doors, 3-lever rebated mortise lock with lever handle, hinges with matching existing or equal and approved, including 38mm bolt peeled plaster | 1 | ITEM | | |
| | <u>Prepare and apply first quality one undercoat and two coats of gloss oil paint to match existing</u> | | | | |
| B | General surfaces of steel doors over 300mm girth | 70 | Sm | | |
| C | Frames not exceeding 100mm girth, internally | 20 | Lm | | |
| Carried to Collection | | | | | - |


08/02/2024

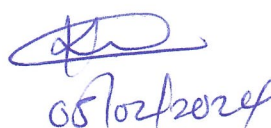
| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT KSHS |
|-----------------------|---|-----|------|------|-------------|
| | <u>ELEMENT NO 4.</u> | | | | |
| | <u>ROOFING</u> | | | | |
| | <u>Roof cover</u> | | | | |
| | <u>Structural Timber</u> | | | | |
| A | 150x50mm. thick Rafters | 30 | Lm | | |
| B | 100x50mm. thick Purlins | 120 | Lm | | |
| C | 100x50x4.5mm. thick wall plate strapped to walling with and including gauge 16 hoop iron as directed | 30 | Sm | | |
| | <u>Roof covering</u> | | | | |
| D | Gauge 28 pre-painted (approved colour) IT 5 profile roofing sheet covering nail to purlins (m.s) complete with matching rubber gaskets and tropicalized hinged plastic caps | 450 | Sm | | |
| E | Ditto 2000mm matching ridge cap fixed as above | 35 | Lm | | |
| F | Aluminum flashing to match roofing sheets. | 20 | Lm | | |
| | <u>Timber Finishing's</u> | | | | |
| | <u>Wrot First Grade Cypress as described in; -</u> | | | | |
| G | 250x25mm. thick Fascia Board | 100 | Lm | | |
| H | Ditto verge board | 25 | Lm | | |
| Carried to Collection | | | | | - |


08/02/2024


| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT KSHS |
|------|--|-----|------|------|-------------|
| | <u>Rain Water Goods</u> | | | | |
| | <u>Down pipes</u> | | | | |
| A | 200mm diameter rainwater gutter downpipe fixed with and including downpipe clip and connectors at 900mm centers, plugged and screwed to wall | 50 | Lm | | |
| B | Extra; swan neck bend with 300mm projection | 8 | No. | | |
| C | Ditto for shoe pipe 300mm length encased in Mass Concrete. | 8 | No. | | |
| D | Extra for swan neck offset in pipe 500mm diameter encased in mass concrete | 8 | No. | | |
| E | Allow for opening up, unclogging and cleaning storm water drainage channels | 60 | Lm | | |
| | <u>COLLECTION</u> | | | | |
| | From page above | | | | |
| | From page 4 of 9 | | | | |
| | Carried to Collection | | | | - |




| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT KSHS |
|------|--|-----|------|------|-------------|
| | <u>ELEMENT NO 5.</u> <u>FINISHES</u> | | | | |
| A | Allow for 200mm thick molding of c/s of the existing iron sheet cladding | 4 | Sm | | |
| | <u>Painting and decoration</u> | | | | |
| B | Prepare and apply first quality paints, two coats of first quality Silk Vinyl paint to previously painted internal wall surfaces | 600 | Sm | | |
| C | Extra brilliant white emulsion paint to wall ceiling and Soffit surfaces | 170 | Sm | | |
| D | Prepare and apply one undercoat and two finishing coats of first quality exterior weather guard permacoat to external walls including to rendered fabricated iron sheet cladding as directed | 85 | Sm | | |
| | <u>PAVED AREAS</u> | | | | |
| | <u>External trench covers</u> | | | | |
| E | Supply and fix 300x2000 mm precast concrete covers | 70 | Sm | | |
| F | Ditto but 600x450mm covers | 30 | Sm | | |
| G | Provide and lay 100mm. dia PVC waste pipe and fitting to mechanical engineers details | 40 | Lm | | |
| | <u>Internal trench covers</u> | | | | |
| H | Supply and fix 330x600 mm precast concrete covers | 20 | Sm | | |
| | <u>RAMP</u> | | | | |
| | <u>Insitu concrete; reinforced, class 20/ (20mm); vibrated in bays including approved expansion joint and approved surface finish. 1:40 gradient</u> | | | | |
| | <u>Filling</u> | | | | |
| J | Supply hardcore filling in making up levels, hand packed, 300mm thick in layers of 150mm maximum thickness | 20 | Cm | | |
| K | 100mm (average) thick quarry dust blinding to surfaces of hardcore | 10 | Sm | | |
| | Carried to Collection | | | | |



| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT KSHS |
|------|---|-----|------|------|-------------|
| | <u>Finishes contn'd</u> <u>Reinforcement</u> <u>Bars; ribbed bars; High yield steel bars for the</u> <u>reinforcement concrete to KS 573:2014:-</u> <u>(Provisional) including bends, hooks, tying wire</u> <u>and distance blocks</u> | | | | |
| A | In assorted reinforcement of various sizes | 60 | Kg | | |
| | <u>Fabric; B.S. 4483</u> | | | | |
| B | Reference A142 mesh 200 x 200 mm, weight 2.22 kgs per square meter (measured net - no allowance made for laps(including bends, tying wire and distance blocks | 10 | Sm | | |
| | <u>COLLECTION</u> | | | | |
| | From page above | | | | |
| | From page 6 of 9 | | | | |
| | Carried to Collection | | | | |


05/02/2024

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT KSHS |
|------|---|-----|------|------|-------------|
| | <u>ELEMENT NO 6.</u> <u>ELECTRICAL INSTALLATIONS</u> <u>Supply, deliver, install, test and commission the electrical fittings complete with all the accessories including all connections and all plugging and screwing to walls and/or ceiling:</u> <u>Lighting distribution</u> A 3x2.5mm single core pvc insulated copper cables drawn in 20mm diameter heavy gauge pvc conduits including couplers and twin boxes excluding the socket outlets. B Allow for wiring and installation of 30 Watt fluorescent tubes fitting in the building. C Allow for wiring and installation of 50 Watt LED lights on the building. <u>Power distribution</u> D One gang switched sockets <u>Contingencies</u> C Allow a Provisional Sum of Kenya Shillings Six Hundred Thousand (Ksh 600,000.00) for Contractor's Contingencies. | | | | |
| | | 180 | Lm | | |
| | | 12 | No. | | |
| | | 4 | No. | | |
| | | 4 | No. | | |
| | | 1 | ITEM | | |
| | Carried to Collection | | | | |


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| NO. | TITLE | PAGE NO. | AMOUNT KSHS |
|---|----------------------------|----------|-------------|
| 1 | DEMOLITION AND DOWNTAKINGS | 1 of 9 | |
| 2 | WINDOWS | 2 of 9 | |
| 3 | DOORS | 3 of 9 | |
| 4 | ROOFING | 5 of 9 | |
| 5 | FINISHES | 7 of 9 | |
| 6 | ELECTRICAL INSTALLATIONS | 8 of 9 | |
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| Sub Total carried to Grand Summary page | | | - |



**ESTIMATES FOR THE PROPOSED REFURBISHMENT OF NAIROBI WEST GENERATION
BUILDING FOR CONVERSION INTO A TX REPAIR BUILDING.**

GRAND SUMMARY

| BILL NO. | DESCRIPTION | Page No. | CONTRACTOR'S USE | |
|----------|--------------------------------------|----------|------------------|------|
| | | | K.SHS | CTS. |
| | | | | |
| 1 | Preliminaries | | | |
| | | | | |
| 2 | Builders' Works | 9 of 9 | | |
| | | | | |
| | SUB TOTAL | | | |
| | | | | |
| | ADD: 16% VAT | | | |
| | | | | |
| | GRAND TOTAL (Vat Incl.) K.SHS | | | |


06/02/2014

