

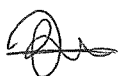
**PROPOSED CONCRETING OF TRANSPORT YARD & CONSTRUCTION OF OIL WATER SEPARATOR-
TRANSPORT**

		Shs.
	<u>PRELIMINARIES</u>	
	BILL NO. 1	
	<u>PRELIMINARY PARTICULARS</u>	
A	<u>NAME OF PARTIES</u>	
	The "Employer" is : Kenya Power & Lighting Co. Ltd P.O. Box 30099 - 00100 <u>NAIROBI</u>	
	The term "Employer" and "Kenya Power" and "Kenya Power & Lighting Co. Ltd"	
	The "Project Manager" is : The Manager, Administration & Property, HR& Administration Kenya Power & Lighting Co. Ltd P.O. Box 30099 - 00101 <u>NAIROBI</u>	
	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>	
	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>	
B	<u>DESCRIPTION OF SITE</u>	
	The site is located 7.0 km from nairobi CBD along Thika Super Highway at Exit no. 3 at survey of Kenya. Make right turn to join Utalii lane. Next to Commercial Bank Sport club.	
	all temporary buildings, spoil heaps, temporary paths and storage areas for materials.	
	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.	
	The Contractor must obtain the Project Manager's approval and directions regarding the use of any materials found on the site.	
C	<u>ACCESS TO SITE</u>	
	Access to site shall be as directed by the Project Manager. The Contractor shall strictly observe police & NTSA regulations regarding traffic movement.	
	Preliminaries Carried to collection KShs.	



PROPOSED CONCRETING OF TRANSPORT YARD

			Shs.
A	<u>WORKING AND STORAGE SPACE</u>		
	Working and storage space will be confined to the area designated by the Project Manager within the plot boundary.		
B	<u>WORKING HOURS</u>		
	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.		
C	<u>DESCRIPTION OF THE WORKS</u>		
	The Works comprise but not limited to the demolition of cabro paving blocks and		
	</		



		Shs.
<u>GENERAL MATTERS</u>		
<u>SUFFICIENCY OF TENDER</u>		
A	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.	
B	<u>STAMP CHARGES</u> The Contractor shall allow for the payment of all Stamp Charges in connection with the Surety and Contract Agreement.	
C	<u>DEFINITIONS AND ABBREVIATIONS</u> Terms used in these Bills of Quantities shall be interpreted as follows: <div style="margin-left: 20px;"> "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 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 Preliminaries Carried to collection KShs. </div>	



		Shs.			
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>				
	<table><tr><td>Preliminaries</td><td>Carried to collection</td><td>KShs.</td></tr></table>	Preliminaries	Carried to collection	KShs.	
Preliminaries	Carried to collection	KShs.			



			Shs.
A	<u>PUBLIC AND PRIVATE ROADS, PAVEMENTS, ETC</u>		
	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.		
	<u>POLICE REGULATIONS</u>		
	The Contractor is to allow for complying with all instructions and regulations of the police Authorities.		
C	<u>ENVIRONMENTAL REGULATIONS</u>		
	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.		
	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.		
	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.		
D	<u>CONTRACTORS' SUPERINTENDENCE</u>		
	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.		
	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.		
	Preliminaries	Carried to collection	KShs.

			Shs.
<u>CONTRACTORS' SUPERINTENDENCE -(CONTINUED)</u>			
Before the Tenderer's offer is accepted the Project Manager may personally interview the Contractor's proposed Representative.			
A curriculum vitae of past experience and qualifications must be provided for the Project Manager's scrutiny.			
The Project Manager's decision will be final regarding the suitability of the proposed Representative.			
A	<u>WATER</u>		
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.			
B	<u>LIGHTING AND POWER</u>		
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.			
C	<u>SAFETY</u>		
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.			
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.			
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.			
Preliminaries	Carried to collection	KShs.	

PROPOSED CONCRETING OF TRANSPORT YARD

		Shs.
A	<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>	
B	<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</p> <p>Such sums are net and no addition shall be made to them for profit.</p>	
C	<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>	
D	<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>	
E	<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>	
	<p>Preliminaries</p>	
	<p>Carried to collection.</p>	KShs.

			Shs.
A	<u>MATERIALS AND WORKMANSHIP</u>		
	<u>GENERALLY</u>		
	<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 and/or Kenya Standards 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>		
	<u>REJECTED WORKMANSHIP OR MATERIALS</u>		
B	<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>		
	<u>PROPRIETARY MATERIALS</u>		
C	<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>		
	<u>SAMPLES</u>		
D	<p>The Contractor shall furnish within the first two weeks of site take over and before work 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. Such approved samples shall be mounted on a sample board erected on site. The sample board shall be of minimum size 2400x1200mm high fabricated in RHS supports & framings minimum size 75x50x3mm secure from tampering with and including all necessary sample mounting bases & roof cover where 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>		
Preliminaries			
Carried to collection			
KShs.			

PROPOSED CONCRETING OF TRANSPORT YARD

		Shs.
A	<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>	
B	<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>	
C	<p><u>PROGRAM OF WORKS</u></p> <p>The Contractor shall allow in his programme for the following 11 public holidays per</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>	
D	<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>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p>	



	<u>TEMPORARY WORKS</u>	Shs.
A	<u>OFFICE AND SHEDS</u> 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.	
B	<u>SANITATION</u> 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.	
C	<u>SECURITY</u> 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 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	
D	<u>WORKING DRAWINGS</u> Provide for functional design, preparation and approval of final set of working drawings in A1 size; for oil separation using the attached drawings; all by a licenced Architect & licenced Structural Engineer including all necessary county government's/ any other necessary approval approvals within the first two (2No.) weeks after contract signing	
E	<u>ALTERATIONS TO BILLS, PRICING, ETC.</u> 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.	
	Preliminaries Carried to collection KShs.	

		Shs.
A	<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>	
B	<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>	
C	<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>	
D	<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>	
	<p>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p>	



		Shs.
A	<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>	
B	<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>	
C	<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> <p><u>NOMINATED SUB-CONTRACTORS AND SUPPLIERS</u></p>	
D	<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>	
	<p>Preliminaries</p> <p>Carried to collection</p> <p>KShs.</p>	



			Shs.
<u>NOMINATED SUB-CONTRACTORS - CONTINUED</u>			
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	<u>NOMINATED SUPPLIERS</u>		
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	<u>PRIME COST RATES</u>		
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.			

			Shs.
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 that 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</p>		
E	<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 Allow for all necessary permits/approvals by the County Government and any other</p>		
F	<p><u>VALUE ADDED TAX</u></p> <p>The Contractor's attention is drawn to the Finance Act 1993 and subsequent ammendments 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.</p>		
Preliminaries Carried to collection KShs.			



<u>COLLECTION</u>		
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<u>PRELIMINARIES</u>	<u>TO GRAND SUMMARY AT END OF BILLS</u>	<u>KSHS.</u>
Preliminaries		

SCHEDULE OF RATES

PROPOSED CONCRETING OF TRANSPORT YARD & CONSTRUCTION OF OIL
WATER SEPARATOR- TRANSPORT

ITEM	DESCRIPTION	QTY	UNIT	RATE
A	350mm thickness for washes grouted stone pitching the formishing of materials and construction of a protective covering in stone pitching Grouted Stone pitching. The spaces between the stones shall be filled with cement mortar composed of one part of cement to three part of sand.with and including 100mm diamater at 1000 weep holes	1	sm	



PROPOSED CONCRETING OF TRANSPORT YARD & CONSTRUCTION OF OIL WATER SEPARATOR- TRANSPORT

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>EXTERNAL WORKS (ALL PROVISIONAL)</u>				
	<u>ELEMENT NO.1</u>				
	<u>WORKSHOP SERVICE YARD CONCRETE</u>				
A	Allow for survey & levelling works including measurements before site clearance, during excavations, grading and during gravelling.	1	item		
	<u>Clearing site</u>				
B	Scrap, hack and remove all the butumen surface load and cartaway arising debris to NCC approved site.	1,470	sm		
	<u>Filling</u>				
C	Supply and handpack 150mm thick hardcore to make up levels for yard areas mechanically compacted in layers not exceeding 150mm thick.	250	cm		
	<u>Road kerb</u>				
D	125 x 250mm Precast concrete (class 20) kerb with once chamfered edge laid on and including 450 x 100mm plain concrete (1:3:6) foundation haunched up on one side including all necessary excavations formwork etc.	98	lm		
	<u>Fabric; B.S. 4484</u>				
E	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	1470	sm		
	<u>Damp proofing</u>				
F	Polythene sheet; 1000 gauge, 200mm weltd laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	1470	sm		
	<u>Concrete bed</u>				
	<u>Insitu concrete; reinforced; class 20 / (20mm); vibrated in bays including approved expansion joint and approbed surface finish.</u>				
G	200mm thick bed	1470	sm		
	<u>Form work</u>				
H	Edges of ground floor slab; 150 - 200mm wide	122	lm		
	<i>Workshop service yard concrete works Carried collection page</i>				



ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	ELEMENT NO.2				
	<u>DRAINAGE</u>				
A	Excavate trench in normal soil for culvert starting from ground level to depth not exceeding 1.0m	14	cm		
B	Provide and place 100mm thick concrete bed for the pipes, (mix 1:3:6). Include for all the necessary formwork.	2	cm		
C	Provide, lay and joint 300mm dia. precast concrete ogee pipes on gravel bedding to correct fall.	14	lm		
	<u>Invert block drain</u> <u>Precast shallow invert block drain (600mm overall) (class 20) laid on and including plain concrete (1:3:6) foundation; haunching up; including all necessary excavations formwork etc.</u>				
C	800x175 mm	98	lm		
D	305x150 mm	100	lm		
E	450 x 225 mm	1	lm		
F	330 x 190 mm	1	lm		
G	250 x 125 mm	1	lm		
H	Provide and place 150mm thick concrete surround around pipes, (mix 1:3:6). Including all the necessary formwork.	12	cm		
J	Backfill and compact 300 mm of approved murrum filling in layers, ensuring consolidation after the installation, jointing, and surrounding of the pipes.	20	sm		
K	300mm wide drainage side slab (600mm overall) (class 20) laid on and including plain concrete (1:3:6) including approved grove and necessary excavations formwork etc.	22	lm		
	<i>Drainge works Carried to collection page</i>				
	DRAINAGE & SERVICE YARD CONCRETE COLLECTION PAGE				
a	From page1				
b	From page above				
	<i>Drainage & service yard concrete Carried to summary page</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>ELEMENT NO.3</u> <u>OIL/WATER SEPARATOR</u> Sub-structure - All provisional <u>Excavation</u> <u>Over-site excavations: 100-200mm Depth, load and cart away from site/deposit as instructed by the project manager</u>				
A	Reducing levels; 150 mm.	16	sm		
B	Excavate pits commencing from ground level but not exceeding 1500mm deep.	24	cm		
C	Ditto but exceeding 1.5M deep but not exceeding 3.0M deep.	24	cm		
D	Extra over excavation at any depth for excavation in rocks for all class of rocks.	8	cm		
E	Load cartaway surplus excavated materials away from the site and dispose to areas designated by the local government and NEMA.	48	cm		
F	Return, fill and ram selected materials around structural wall and manhole and ram.	30	cm		
G	Keeping all excavations free from all water including spring or running water.	1	item		
	<u>Planking and strutting</u>				
H	Uphold the sides of all excavations.	1	item		
	<u>Filling</u>				
J	Hardcore filling in making up levels, hand packed, 300mm thick in layers of 150mm maximum thickness septic and sockpit.	12	cm		
K	25mm (average) thick quarry dust blinding to surfaces of hardcore.	16	sm		
	<u>Mass concrete class P as described</u>				
L	Plain concrete (1:4:8) - 20mm agg.) in 50mm thick blinding to pits.	16	sm		
	<u>Concrete</u> <u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u>				
M	Pits bases.	4	cm		
N	Manhole bases.	9	sm		
	<u>Reinforcement</u> <u>Bars; high yield steel; cold worked to B.S. 4461 and hot rolled to B.S. 4449 including bends, hooks, tying wire and distance blocks</u>				
P	In assorted reinforcement of various sizes.	400	kgs		
	<i>Oil water Separator Carried to Collection</i>				

PROPOSED CONCRETING OF TRANSPORT YARD

CONSTRUCTION OF OIL WATER SEPARATOR- TRANSPORT



ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>Sawn formwork to:</u>				
A	Vertical sides of pit and manhole base.	40	sm		
	<u>Vibrated reinforced concrete class 20/25 1:1.5:3/25 as described.</u>				
B	Pit structural walls.	5	cm		
C	Manhole walls.	1	cm		
D	Baffle walls as concrete funnel.	2	cm		
E	150mm thick suspended cover slab.	17	sm		
	<u>Sawn formwork to:</u>				
F	Vertical sides of structural walls.	58	sm		
G	Horizontal soffits of suspended slab.	17	sm		
H	Edges of bed cover 150mm and not exceeding 225mm high.	22	lm		
J	bottom / top of baffle wall.	1	sm		
K	Vertical sides of baffle wall.	12	sm		
L	Box formwork to manhole covers.	4	sm		
	<u>Bars; high yield steel; cold worked to B.S. 4461 and hot rolled to B.S. 4449 including bends, hooks, tying wire and distance blocks</u>				
M	In assorted reinforcement of various sizes.	800	kgs		
	<u>Finishes</u>				
N	32mm thick cement/sand mortar wall proof plaster (1:4) to structural walling internally with steel float finish.	6	sm		
P	Ditto externally.	12	sm		
Q	Ditto suspended slab.	12	sm		
R	32mm thick cement/sand mortar water proof (1:4) floor screed to structural base floor with steel float finish.	10	sm		
S	Ditto to suspended slab and manholes.	10	sm		
T	Plain concrete (1:3:6) in 150mm average bench to manhole internal size 800x600mm including forming channel and finished smooth.	1	sm		
U	100mm dia. 4 no. 100mm dia. vent pipes on suspended floor.	2	lm		
	<i>Oil water Separator Carried to Collection</i>				



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ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>ELEMENT NO.4</u> <u>OIL COLLECTION SUMP</u>				
	<u>Sub-structure - All provisional</u> <u>Excavation</u> <u>Over-site excavations: 100-200mm Depth, load and cart away from site/deposit as instructed by the project manager</u>				
A	Reducing levels; 150 mm.	4	sm		
B	Excavate pits commencing from ground level but not exceeding 1500mm deep.	4	cm		
C	Ditto but exceeding 1.5M deep but not exceeding 3.0M deep.	4	cm		
D	Extra over excavation at any depth for excavation in rocks for all class of rocks.	3	cm		
E	Load cartaway surplus excavated materials away from the site and dispose to areas designated by the local government and NEMA.	12	cm		
F	Return, fill and ram selected materials around structural wall and manhole and ram.	3	cm		
G	Keeping all excavations free from all water including spring or running water.	1	item		
	<u>Planking and strutting</u>				
H	Uphold the sides of all excavations.	1	item		
	<u>Filling</u>				
J	Hardcore filling in making up levels, hand packed, 300mm thick in layers of 150mm maximum thickness septic and sockpit.	3	cm		
K	25mm (average) thick quarry dust blinding to surfaces of hardcore.	3	sm		
	<u>Mass concrete class P as described</u>				
L	Plain concrete (1:4:8) - 20mm agg.) in 50mm thick blinding to pits.	3	sm		
	<u>Concrete</u> <u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u>				
M	Pits bases.	1	cm		
N	Manhole bases.	2	sm		
	<u>Reinforcement</u> <u>Bars; high yield steel; cold worked to B.S. 4461 and hot rolled to B.S. 4449 including bends, hooks, tying wire and distance blocks</u>				
P	In assorted reinforcement of various sizes.	150	kgs		
	<i>Oil Clection sump Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
A	<u>Sawn formwork to:</u> Vertical sides of pit.	12	sm		
B	<u>Vibrated reinforced concrete class 20/25 1:1.5:3/25 as described.</u> Pit structural walls.	3	cm		
C	150mm thick suspended cover slab.	17	sm		
D	<u>Sawn formwork to:</u> Vertical sides of structural walls.	24	sm		
E	Horizontal soffits of suspended slab.	3	sm		
F	Edges of bed cover 150mm and not exceeding 225mm high.	7	lm		
G	Box formwork to manhole covers.	4	sm		
H	<u>Bars; high yield steel; cold worked to B.S. 4461 and hot rolled to B.S. 4449 including bends, hooks, tying wire and distance blocks</u> In assorted reinforcement of various sizes.	500	kgs		
J	<u>Finishes</u> 32mm thick cement/sand motor wall proof plaster (1:4) to structural walling internally with steel float finish.	10	sm		
K	Ditto externally.	12	sm		
L	Ditto suspended slab.	6	sm		
M	32mm thick cement/sand mortar water proof (1:4) floor screed to structural base floor with steel float finish.	6	sm		
N	Ditto to suspended slab.	12	sm		
P	100mm dia. 4 no. 100mm dia. vent pipes on suspended floor .	2	lm		
F	Supply and install 0.5 h.p. immersed pump allowing for all plumbing and electrical connections to facilitate boosting of oil to the hoist oil drums.	1	no		
	<i>Oil Clection sump Carried to Collection</i>				
	<u>OIL COLLECTION SUMP COLLECTION PAGE</u>				
a	From page 6				
b	From page 7				
	<i>Oil water Separator Carried to Summary</i>				
		PROPOSED	CONCRETING	OF TRANSPORT YARD	

PROPOSED CONCRETING OF TRANSPORT YARD & CONSTRUCTION OF OIL WATER SEPARATOR- TRANSPORT
GRAND SUMMARY

BILL NO.	DESCRIPTION	Page No.	CONTRACTOR'S USE	OFFICIAL USE
			K.SHS	K.SHS
1	Preliminaries	15		
2	Measured works	4		
3	P.C. & Provisional Sums	5	400,000.00	400,000.00
	TOTAL KSHS			
	Add VAT 16%			
4	GRAND TOTAL TENDER SUM (Vat. Incl.)			

Amount in words.....

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Contractor's Name and Address.....

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Contractor's Stamp, Signature and Date.....

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PROPOSED CONCRETING OF TRANSPORT YARD

CONSTRUCTION OF OIL WATER SEPARATOR- TRANSPORT



ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
A	Allow for a provisional sum of kenya shillings four hundrend thousands only for contingencies.				400,000.00
Total P.C & Provisional sums carried to grand summary					400,000.00

PROPOSED CONCRETING OF TRANSPORT YARD

CONSTRUCTION OF OIL WATER SEPARATOR- TRANSPORT

