

**PROPOSED MARKET AT NAIVASHA IN NAKURU COUNTY**

**GENERAL PRELIMINARIES**

ITEM	DESCRIPTION	AMOUNT
	<p><b><u>METHOD OF MEASUREMENT</u></b></p> <p>The Bills of Quantities have been prepared in accordance with the general principles of the Standard Method of Measurement of Building Works for East Africa, Second Metric Edition issued July 1989. The same principles will equally apply to the measurement of Valuations.</p> <p><b><u>DEFINITION OF ABBREVIATIONS</u></b></p> <p>Abbreviations used in this Bill of Quantities shall be interpreted as follows:-</p> <p>"B.S"            Shall mean    The current British Specification published by the British Standards Institution, 2 Park Street, London, W.I. England.</p> <p>"Kbs"            Shall mean    Kenya Bureau of Standards</p> <p>"No"             Shall mean    Number</p> <p>"L.M."           Shall mean    Linear metre</p> <p>"S.M."           Shall mean    Square metre</p> <p>"C.M."           Shall mean    Cubic metre</p> <p>"KGS."           Shall mean    Kilogrammes weight</p> <p>"mm"            Shall mean    Milimetre</p> <p>"M"              Shall mean    Metre</p> <p>"R.H.S."         Shall mean    Rectangular Hollow Section</p> <p>"P.C."           Shall mean    Prime Cost</p> <p>"Small Pipe"    Shall mean    Any pipe not exceeding 50mm internal diameter</p>	
	<p><b>To collection</b></p>	<p><b>Kshs.</b></p>

ITEM	DESCRIPTION	SHS.	AMOUNT
	<p>"Large Pipe" Shall mean Any pipe exceeding 50mm and not exceeding 100mm internal diameter.</p> <p>"Extra Large Pipe" Shall mean Any pipe exceeding 100mm internal diameter.</p> <p>"Ditto" Shall mean The whole of the preceding description except as qualified in the section in which it occurs in brackets it shall mean the whole of the preceding description which is contained within the appropriate brackets.</p> <p>"n.e." Shall mean not exceeding</p> <p>"100mm-200mm" Shall mean Over 100mm and not exceeding 200mm and shall apply equally to any other combination of figures pressed on a similar fashion.</p> <p>"m/s" Shall mean Measured Separately</p> <p>"C. P." Shall mean Code of practice</p> <p>"ditto" Shall mean mean the whole of the preceding description which is contained within the appropriate brackets.</p>		
	<p><b>To collection</b></p>	<p><b>Kshs.</b></p>	

ITEM	DESCRIPTION	AMOUNT
	<p><b><u>TOOLS, PLANT AND SCAFFOLDING</u></b>  Provide all necessary cranes, hoists, and other plant including ladders, staging, access gangways, tackle tarpaulins, tools, moulds, templates and other requisite necessary for the proper execution of the works. Allow for the removing and reinstating, adapting from time to time as may be necessary and maintaining all plant and equipment during the course of the Contract.  The Contractor shall allow for providing, adapting, from time to time as may be necessary and maintaining all scaffolding, scaffold boards and temporary staging, etc., necessary for the execution of the Works.</p> <p><b><u>WATER FOR THE WORKS</u></b>  The Contractor shall allow for all necessary clean, fresh water for the works, including that required by Sub-Contractors and other contractors on site and for any temporary plumbing meters and pay all charges, in connection therewith and clear away on completion and make good works disturbed. There is existing clean piped water on site and the contractor can make arrangements with water authority to have extra connections made for his use, and pay all the charges. The amount of water and its regularity cannot be guaranteed.</p> <p><b><u>LIGHTING AND POWER FOR THE WORKS</u></b>  The Contractor shall allow for providing and maintaining a temporary electricity supply for the Works including that required by Sub-contractors and others on site and for any meters and fittings to give artificial lighting and power necessary for the execution of the work and pay all charges in connection and make good all works disturbed.</p> <p><b><u>WATCHING AND LIGHTING</u></b>  The Contractor shall allow for providing and maintaining any barriers, watching, lighting which must comply with the bye-laws, or requirements of the Employer, Local Authority and Police Regulations and must give all requisite notices to these Authorities and provide everything necessary to protect the general public, workmen, plants, materials and the whole of the Works from injury or damage.</p> <p><b><u>ADVERTISEMENTS</u></b>  No advertisements will be permitted without the written authorisation of the Project Manager.</p>	
	<p><b>To collection</b></p>	<p><b>Kshs.</b></p>

ITEM	DESCRIPTION	SHS.
	<p><b><u>DISTURBANCE OR NUISANCE</u></b>  The Contractor shall allow for taking all necessary precautions in the order and execution of the works so as to avoid causing disturbance or nuisance to the occupants of the building on or any adjacent to the works and to the public while complying with the Project Manager instructions and shall indemnify the Employer in this respect.</p> <p><b><u>TRESPASS, DAMAGE AND CARE OF WORKS</u></b>  The Contractor shall prevent any trespass on the adjoining property, and shall take all reasonable precautions during the progress of the contract to prevent any damage to the adjoining property or public or private roadways and to prevent materials, plant, rubbish, debris etc., collecting on the adjoining property, or roadways. Should the contractor wish to erect scaffolding on or to make use of adjoining property he shall obtain prior permission from the Project Manager and clear away on of his work or when directed and make good any damage to his satisfaction. Except as provided for in the Conditions of Contract, the contractor shall be held responsible for the care of the works generally until their completion, including all works executed and materials deposited on the site by himself or sub-contractors or Suppliers together with all risks arising from weather, carelessness of operatives damage or loss by theft, or by other cause and he shall make good all such damage or loss at his own expense.  The contractor will be responsible for the protection of adjoining buildings, walls, fences, services either overhead or underground and for the making good of or paying for all damage thereto, should such be caused in the course of building operations.</p> <p><b><u>Trespass, Damage and care of Works cont'd</u></b>  The contractor shall allow for making good all damage to the road, kerbs, surface water channels, etc., occasioned by heavy traffic, delivery of materials and building operations generally to the entire satisfaction of the Project Manager and shall be responsible for observing any by-law or authority regarding keeping the road free from mud, filth etc., arising outof the execution of the works.</p>	
	<p><b>To collection</b></p>	<p><b>Kshs.</b></p>

ITEM	DESCRIPTION	AMOUNT
	<p><b>TEMPORARY HOARDING</b></p> <p>The Contractor shall erect hoarding 2.10meters high consisting of corrugated galvanised iron sheets fixed to 100 x 50mm runners supported on 150mm diamete treated blue gum posts all to the approval of the County Government and pay annual council rates until completion. He should also provide protection to pedestrians and elsewhere as directed by the Project Manager.</p> <p><b>VISITORS TO SITE</b></p> <p>The contractor is required to control all visitors to the site and to keep out unauthorised visitors and to provide a visitors book and ensure that all authorised visitor sign therein.</p> <p><b>SAMPLES</b></p> <p>The contractor shall allow for the cost of providing samples of materials intended for use in the works for prior approval of the Project Manager.</p> <p><b>POLICE REGULATIONS</b></p> <p>The contractor shall at all times observe police and Traffic Regulations regarding the loading of or waiting by vehicles on the Public Highways and the Contract Sum shall be deemed to include for strict compliance therein.</p> <p><b>GOVERNMENT REGULATIONS</b></p> <p>The contractor shall at all times observe police and Traffic Regulations regarding the loading of or waiting by vehicles on the Public Highways and the Contract Sum shall be deemed to include for strict compliance therein.</p> <p><b>PROTECTION</b></p> <p>The Contractor is required to protect the Works in all sections until practical completion.</p> <p><b>TESTING</b></p> <p>Allow for testing to all installations so required to be tested and provide everything necessary for this purpose and leave the whole in perfect working order to the satisfaction of the Project Manager.</p>	
	<p><b>To collection</b></p>	<p><b>Kshs.</b></p>

ITEM	DESCRIPTION	SHS.
	<p><b>REMOVING RUBBISH AND CLEANING</b>  The Contractor shall make good all defects and injuries to the work, clean down external faces, wash off stains to faced work, clean off marks of mortar and cement, clean windows inside and out, scrub floors, flush out plumbing installations and drain runs and leave all parts of the works clean, free from rubbish and waste materials and perfect on completion. The Contractor shall clean and cart away all rubbish as it accumulates and keep the works in an orderly condition to the satisfaction of the Project Manager.</p> <p><b>CONTRACTOR'S TIPS</b>  The contractor shall provide a tip or tips at his own expense for the disposal of all excavated materials and all rubbish collected when clearing the site and during the construction of the works and also for any surplus materials not required on the site. The tip sites shall be approved by the Local Authority.</p> <p><b>COPYRIGHT</b>  The copyright of these Bills of Quantities is vested in Quantalysys and it may not be reproduced in whole or in part without their authority.</p> <p><b>DAYWORK</b>  Daywork ordered shall be executed at the rates inserted in the Dayworks and Schedule of Rates.</p> <p><b>PROJECT MANAGER'S INSPECTION</b>  No work shall be covered up until it is inspected and approved by the Project Manager.</p> <p>The Project Manager may at any time up to the end of the Defects Liability instruct the contractor to open up, pull down, test or expose any part of the works in order to satisfy himself as to the quality of the materials or workmanship used. If, in the opinion of the Project Manager such parts</p>	
	To collection	Kshs.

ITEM	DESCRIPTION	SHS.
	<p>are not in strict accordance with the Contract Document, he may order the contractor to remove all defective work replace with approved materials and reinstate any such part of the works and any other work disturbed at his own expense and to the entire satisfaction of the Project Manager. If any such part of the works are found to be in accordance with the Contract Documents the contractor will be reimbursed the net cost of his expense in connection therewith.</p> <p><b><u>EXISTING SERVICES</u></b>  Prior to commencement of any work the contractor shall ascertain from the relevant Authorities the exact position, depth and level of all existing electrical cables, water pipes, drain, sewers, 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 Document, he to their satisfaction and to the contractor's expense.</p> <p><b><u>TRANSPORT TO AND FROM THE SITE</u></b>  The Contractor shall allow in his tender for the transport of materials, workmen etc, to the site of the works.</p> <p><b><u>PROVISIONAL WORK</u></b>  All work measured provisionally shall be left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the Quantity Surveyor. The contractor shall immediately notify the Quantity Surveyor when such work is completed.</p> <p>Should the contractor default in these respects, he shall, if the Project Manager so directs, uncover the work at his own expense to enable measurements to be taken.</p>	
	<p><b>To collection</b></p>	<p><b>Kshs.</b></p>

ITEM	DESCRIPTION	AMOUNT
	<p><b>PROGRESS CHART</b></p> <p>Within seven days of signing the contract, the contractor shall prepare a full detailed programme and progress chart, precedence diagram or net work analysis completion dates if any.</p> <p>The draft is to be submitted and approved by the Project Manager.</p> <p>The contractor shall liaise with the Project Manager, nominated sub-contractors and nominated suppliers to ensure that contract completion date remains unchanged.</p> <p><b>SAMPLES</b></p> <p>The contractor should allow for providing and testing any samples of materials or workmanship required for the works to the Project Manager for approval or rejection until such samples are approved. Materials or workmanship not to the standard of approval samples shall be rejected and removed from site. All approved samples shall be retained on site until Practical Completion or until directed by the Project Manager.</p> <p><b>REJECTED WORKMANSHIP OR MATERIALS</b></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><b>TRAINING LEVY</b></p> <p>The contractor's attention is drawn to legal Notice No. 237 of October 1971, which requires payment by the contractor of a Training Levy at the rate of 1/4% (One quarter per cent) of the contract sum on all contracts of more than Kshs.50,000/= in value and his tender must include for all cost arising of resulting therefrom.</p> <p>the rate of 1/4% (One quarter per cent) of the contract sum on all contracts of more than Kshs.50,000/= in value and his tender must include for all cost arising of resulting therefrom.</p>	<p>See the General Summary</p>
	<p>To collection Kshs.</p>	



ITEM	DESCRIPTION	AMOUNT
	<p><b>SITE ACCOMMODATION</b></p> <p>The Contractor shall provide and maintain any necessary temporary office accommodation required by himself and his sub-contractors suitably equipped with desks, chairs, drawing boards and (if necessary) electric lighting.</p> <p>The Contractor shall provide and maintain for his workers, toilet facilities, washing and drinking water, first aid equipment all to the reasonable satisfaction of the workmen and approved by the Project Manager and the Health Authorities.</p> <p>The number of toilets and other facilities must be enough for the number of people employed such that there will be no inconvenience due to shortage of the said facilities.</p> <p>The Contractor shall provide and maintain any temporary storage shed or building which in his opinion are necessary for himself and his sub-contractors for the execution of the works.</p> <p>The Contractor shall provide a properly ventilated lockable office, protected from the sun, for the Consultants or their approved representatives. The room shall be furnished for use by the consultants and be big enough to hold a site meeting. It shall have a good conference table and chairs.</p> <p>The Contractor shall provide lockable sanitary accommodation for the sole use of the consultants and / or their representatives, maintain in a clean and sanitary conditions and remove when no longer required.</p>	
	To collection      Kshs.	

ITEM	DESCRIPTION	PAGE	AMOUNT
	<u>COLLECTION</u>		
	FROM PAGE	NVS/M/1	
	FROM PAGE	NVS/M/2	
	FROM PAGE	NVS/M/3	
	FROM PAGE	NVS/M/4	
	FROM PAGE	NVS/M/5	
	FROM PAGE	NVS/M/6	
	FROM PAGE	NVS/M/7	
	FROM PAGE	NVS/M/8	
	FROM PAGE	NVS/M/9	
<b>TOTAL GENERAL PRELIMINARIES CARRIED TO THE SUMMARY OF PRELIMINARIES</b>			

## PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><b>GENERAL ITEMS</b></p> <p>Note: The Contractor is referred to the Instructions to Bidders, Conditions of Contract, general and special Specifications, attached to this contract and is to include i 1 against respective conditions and clauses amounts necessary to cover compliance with therewith, for if no amount is set against a condition or a clause within this bill, then it will be understood that compliance with such conditions or clauses is included against other items in the bills of quantities.</p>				
1.1	<b>Insurance</b>				
1.1.1	Allow for provision of Insurance against damage of construction plant and materials		item	300,000	300,000.00
1.1.2	Allow for provision of insurance against accident or personal injury or death of workmen and third party.		item	300,000	300,000.00
1.2	<b><u>Site Requirements and Approvals</u></b>				
1.2.1	Allow the Provisional Sum of Kshs 1,500,000.00 for connectionwith environmental mitigation measures including procurement, transport and installation of items as directed by the Project Manager		item		
1.2.2	Allow the Provisional Sum of Kshs 2,500,000.00 connection with shifting and relocation of services and utilities (non-structures) as directed by the Project Manager.		item		
	To collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><b>Site Requirements cont...</b></p> <p>Allow the Provisional Sum of Kshs 4,000,000.00 in connection with the acquisition of land required for temporary works necessary for execution of the works</p> <p>Procure, install and maintain contract signboard as per the design or as directed by the Project Manger</p> <p><b><u>Project Manager's staff and Supervision</u></b></p> <p>Allow the Provisional Sum of Kshs 800,000.00 connection with supervision as follows: 1 no. clerks of works, 1 no. Work Inspectors,</p> <p>Allow the Provisional Sum of Kshs 600,000.00 connection with Employer's head office staff supervision, travel and accommodation during the site visits, as and whenever 3 three persons per month for 3days &amp; 2 nights per month</p> <p>Allow the provisional sum of Kenya shs. 100,000.00 in collection with telephone services for project Manager and staff as will be directed</p> <p><b><u>Project Manager's site office Furniture and Equipment</u></b></p> <p>Allow for renting of Project Manager's site office for the entire contract duration</p>	1	Item  No  item  Item  Item		
	<b>To collection</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>Project Manager's Site Office Furniture cont...</u></b>				
1.44	Allow the Provisional Sum of Kshs 100,000 in connection with the miscellenous account for due perfomance of the Project Manager's office to be spent in whole or part as instructed by the Project Manager and to be reimbursed against receipts.		Item		
1.5	<b><u>Project Manager's Senior Staff Houses</u></b>				
1.5.1	Rent Equivalent and maintain fully furnished and functional 2 bedroomed house for the Project Manger's Representative's accommodation to the approval of the Project Manager		6 months		
1.5.2	Ditto1.5.1 but 1 bedroomed house No for Assistanct project Manager's Representative for the contract duration		6 months		
	To collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1.7	<b><u>Services for the Project Manager's staff and Offices.</u></b>				
1.7.1	Allow the Provisional Sum of Kshs7,500,000.00 connection with purchase of 1 No. new diesel propelled 4x4 double cabin pick-up of minimum 2500cc engine capacity as per clause 138 of supplementary technical specifications for exclusive use of the Project Manager and his staff over the duration of the contract. The vehicles revert to the Employer at the end of the contract and are subject to approval of the Project ]Item		Item		
1.7.2	Maintain with competent drivers, fuel, lubricate and service the project vehicles for the duration of the contract, commissioning and handover. Allow for 4000Km per vehicle month	24	months		
1.7.3	Alllow for mileage above 4000km per vehicle	40000	Km		
1.7.4	Allow a provisional sum of Kshs 250,000.00 for the Project Manager's site staff and mobile phone airtime charges		item		
1.7.5	Allow a provisional sum of Kshs 150,000.00 for the employers staff communication inclusive of mobile phones as per the specifications to be issued. This shall be expended on the Project Manager's instructions and approval.		Item		
1.9	<b>Material Testing</b>				
1.9.1	Allow for testing of materials and samples elsewhere apart from site ]Item		Item		
1.10	<b>Contractor's profits and overheads</b>				
1.10.1	Allow for the Contractor's overheads and profits on all Provisional Sums above.		%		
	<b>To collection</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	COLLECTION				
	From page	NVSM/11			
	From page	NVSM/12			
	From page	NVSM/13			
	From page	NVSM/14			
<b>TOTAL OF GENERAL ITEMS CARRIED TO SUMMARY OF PARTICULAR PRELIMINARIES</b>					

**SCHEDULE OF EQUIPMENT IN THE PROJECT MANAGER'S OFFICE**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>OFFICE EQUIPMENT</b>				
1	Provide and maintain branded Personal Computer with following: Intel COREI3-3110, 2.0GHz with 15.6" SviA colour monitor, 160GB hard disc, 4GB RAM complete with all accessories and pre-loaded with licenced latest Windows OS, MS Office and MS Project,all with internet connections	1	No		
2	As item but branded LAPTOP with 14" screen	2	No		
3	Provide and install WinQS licences to items above	2	No		
4	Three in one printer (print, Scan and copy) as HP	2	No		
5	Lockable steel cupboard 1.8mx0.6m	1	No		
6	Standard metal or hardwood writing desk with 6 lockable drawers 1.8 x 0.9m with lock -up drawers	1	No		
7	Standard metal or hardwood writing desk with 3 lockable drawers 1.2 x 0.9m with lock -up drawers	2	No		
8	Standrad single pedestal Office table (1.5x0.9m) each with 2 chairs	1	No		
9	Conference table sitting for 8 persons complete with chairs	1	No		
10	Bookshelf,3 shelves1.5m long to hold box files 1.2x1.2x0.3 m and 1.2x1.2x0.5 m	2	No		
11	Leathered swivel chair with arm rests	1	No		
12	Office leather chairs (standard plain)	6	No		
13	Steel filing cabinet with 2 drawers, lockable	1	No		
14	Steel filing cabinet, 4drawers, lockable	1	No		
	<b>To collection</b>				



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
15	Plan hanger (A1)	1	NO		
16	Plain paper photocopier A3 as MITA DC 1856 or similar with 6 spare toner cartridges	1	NO		
17	Heavy duty, dual purpose punching and binding machine as IBICOK or equivalent	1	NO		
18	Electronic Scientific calculator 12 figures (JR250)	4	NO		
19	Heavy duty stapling machine Ofrex size 66 or similar with 1000 staples	1	NO		
20	Stapling machine Ofrex size 50 or similar with 1000 staples	4	NO		
21	Heavy duty paper punch	1	NO		
22	Ordinary paper punch	2	NO		
23	3 Tray Filing tray	4	NO		
24	Cold water dispenser -10 litre	1	NO		
25	Small refrigerator min 150 litre capacity	1	NO		
26	Electric kettle	1	NO		
27	Twin hot plate	1	NO		
28	Coffee/Tea set for 8 persons	1	NO		
29	Fire extinguisher	2	NO		
30	First aid kit	1	NO		
	<b>To collection</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
32	Pin boards (1200x700 mm)	2	No		
33	Waste paper basket	4	No		
34	Pencil sharpener (desk mounted type)	4	No		
35	Pair of scissors	2	No		
36	Reams of A3 photocopying paper	10	No		
37	Reams of A4 photocopying paper	30	No		
	To collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u>				
	From page	NVS/M/16			
	From page	NVS/M/17			
	From above	NVS/M/18			
	<b>TOTAL OF OFFICE EQUIPMENT IN THE PROJECT MANAGER'S OFFICE CARRIED TO SUMMARY OF PARTICULAR PRELIMINARIES</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>SURVEY EQUIPMENT</b>				
1	Total Station complete with a field data collector TOPCON Model iTS-722 or similar including all accessories and supporting software	1	No.		
2	Engineer's automatic level WildNAK2 or similar including tripod	2	No.		
3	Survey umbrella	2	No.		
4	Levelling staff 5m with levelling bubble (wild inLe 3 or similar)	4	No.		
5	2.5m ranging (metallic)	4	No.		
6	1m stainless steel straight edge and poles, pegs, paint, templates, stringline and other requisites for setting out and measurement of works	1	Set		
7	30m steel white face tape	3	No.		
8	Tape repair kit	1	No.		
9	3m tape measure	4	No.		
10	2kg hammer	2	No.		
11	4kg hammer	2	No.		
12	Pangas 16" straight	4	No.		
	<b>TOTAL FOR THE SURVEY EQUIPMENT IN THE PROJECT MANAGER'S OFFICE CARRIED TO SUMMARY OF PARTICULAR PRELIMINARIES</b>				

**SUMMARY OF PARTICULAR PRELIMINARIES**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	General Items From page NVS/M/15				
2	Project Managers Office Equipment From page NVS/M/19				
3	Survey Equipment from page NVS/M/20				
	<b>TOTAL OF PARTICULAR PRELIMINARIES CARRIED TO SUMMARY OF PRELIMINARIES</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>SUMMARY OF PRELIMINARIES</u></b>				
	General Preliminaries	NVS/M10			
	Particular Preliminaries	NVS/M/21			
	<b>TOTAL OF PRELIMINARIES CARRIED TO SUMMARY</b>				

## MEASURED WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><b><u>DEMOLITIONS</u></b></p> <p><b><u>Pricing notes</u></b></p> <p><b><u>Tenderers are to strongly advised to read and understand the following notes before pricing this section. Any query on the notes should be referred to the quantity Surveyor</u></b></p> <p>The unit of billing is the "item"</p> <p>Rates for demolition shall include the following in addition to what is described in the particular item</p> <p>Clearing debris as they arise, cleaning of affected surfaces and removal of debris from site to an approved dumping site. Accumulation of debris within the site premises shall not be allowed</p> <p>Demolition work shall be executed carefully with the aim of preserving the item being removed and minimising damage to adjacent finishes, structure and component</p> <p>The quoted amounts shall be inclusive of cleaning of the component and there storage by the contractor as directed and to approval</p> <p>The amounts should include temporary support to adjacent areas while carrying out the demolition work</p> <p>All materials arising from demolitions shall be kept on site as directed by the Architect. None of the materials will be used for the works without the approval of the Architect.</p> <p>Allow for demolitions of all masonry and other temporary str Item</p>		Item		
	<b>To carried to collection</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>SUBSTRUCTURE (ALL PROVISIONAL)</b>				
A	Excavate to remove vegetable soil average 300mm deep, load and cart away as directed	3,714	Sm		
B	Excavate foundation trench not exceeding 1.50 metres deep starting from reduced level	395	Cm		
C	Ditto column pit not exceeding 1.50 metres deep starting from reduced level	1,067	Cm		
D	Allow for necessary upholding sides of excavations by means of plunking and strutting or other equal and approved means.		item		
E	Allow for keeping the whole excavations free from all water including spring and running water.		item		
	<b><u>Disposal, as described</u></b>				
F	Backfill selected excavated or imported material around foundations	645	Cm		
G	Load and cart away surplus excavated materials	817	Cm		
	<b><u>Hardcore filling</u></b>				
H	Imported approved hardcore filling, consolidated to make up levels under floor including levelling and blinding with 50mm sand or murrum to	654	Cm		
I	Trim and level bottoms of excavations to receive concrete	2,136	Cm		
K	50mm murrum blinding over compacted hardcore	3,051	Sm		
	<b><u>Damp-proof membrane</u></b>				
L	1000 Gauge polythene sheeting, as described, laid	3,112	Sm		
	<b><u>Anti-termite Treatment</u></b>				
M	Chemical anti-treatment to surface of hardcore, executed complete by an approved specialist firm under a ten-year guarantee	3051	Sm		
	<b>Mass Concrete mix 1:3:6, as described, in: -</b>				
N	50mm blinding to strip foundations	272	Sm		
P	Ditto but to column bases	390	Sm		
	<b>Reinforced Concrete Class 25, as described, in: -</b>				
Q	Strip foundations	54	Cm		
R	150mm horizontal surface slab	2844	sm		
	<b>To Collection</b>				



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>Reinforced Concrete Class 25 cont...</u></b>				
A	Column Bases	449	Cm		
B	Columns	23	Cm		
C	Concrete thickening below walls	11	Cm		
	<b>Fig11-Tensile-ReiRforcement to B.S. 4461, as</b>				
D	Various bar diameters	86,724	Kg		
	<b>Mesh Fabric Reinforcement</b>				
E	Mesh Fabric reinforcement, Ref. A142, laid in surface slab with minimum 150mm side and end laps (Measured nett - no allowance made for laps)	3,112	Sm		
	<b><u>Sawn Formwork, as described, to: -</u></b>				
F	Edge of slab 75 - 150mm high	195	lm		
G	Vertical sides of column	185	Sm		
H	Ditto circular columns 200mm radius.	98	Sm		
J	Vertical sides of column bases	832	Sm		
K	Ditto foundation concrete	487	Sm		
	<b><u>Quarry dressed masonry walling from approved sources, minimum crushing strength 10N/mm2, built to courses in cement/sand/lime mortar, as described, in: -</u></b>				
L	200mm walling	107	Sm		
	<b><u>Bituminous felt damp-proof course, as described</u></b>				
M	200mm walls	454	Lm		
	<b><u>Two-coat cement and sand render, as described: •</u></b>				
N	12mm thick to walls	68	Sm		
P	Prepare and apply three coats black bituminous paint to renderd walls	68	Sm		
	<b>To Collection</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Collection				
	From Page	NVS/M23			
	From Page	NVS/M24			
	From above	NVS/M25			
	<b>Total of DEMOLITIONS AND SUBSTRUCTURE carried to General Summary</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>REINFORCED CONCRETE FRAME</b>				
	<b>Reinforced Concrete Class 25 as described, in: -</b>				
A	Columns	103	Cm		
B	Horinzontal beams	365	Cm		
C	Ditto ring beam	143	C\m		
D	Beams sloping less than 15° to the horizontal.	30	C\m		
E	Staircases	7	C\m		
F	150mm thick horizontal suspended slab	5045	Sm		
G	Ditto ramp sloping less than 15° to the horizontal.	228	Sm		
H	150mm thick horinzontal landings	92	Sm		
J	100mm thick horinzontal suspended slab	1661	Sm		
	<b>Mild Steel Reinforcement to B.S. 4461, as described: - (All Provisional)</b>				
K	Various bar diameters	195000	Kg		
	<b>Mesh Fabric Reinforcement</b>				
L	Mesh Fabric 165, with minimum 150mm side (Measured nett allowance made for laps) Sawn formwork, as described, to: -	1661	Sm		
M	Vertical sides of columns	1233	Sm		
N	Ditto circular columns 200mm radius	11	Sm		
P	Sides and soffits of horinzontal beams	4221	Sm		
Q	Ditto ring beam	1730	Sm		
R	Ditto beams sloping less than 15° to the horizontal	366	Sm		
S	Soffites of horizontal suspended slab	6706	Sm		
T	Horizontal soffites of landings	92	Sm		
U	Soffites of ramps sloping less than 15° to the horizontal	238	Sm		
V	Sloping soffites of staircases	81	Sm		
W	Ditto edge of (300mm wide max.) cut profile of risers	90	Lm		
	<b>To Collection</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Vertical edge of riser 75-150mm girth	605	Lm		
B	Ditto sides of landing 150 - 225mm high To Collection	22	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	From Page	NVS/M/27			
	From Above	NVS/M/28			
	<b>Total of REINFORCED CONCRETE carried to General Summary</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>WALLING</u></b>				
	<b><u>Machine dressed load-bearing natural stones from approved sources, minimum crushing strength 10N/mm<sup>2</sup>, built to courses in cement and sand mortar, as described, in: -</u></b>				
A	150mm thick dressed both sides	2,560	sm		
B	100mm thick ditto	170	sm		
C	Ditto sheds	1,299	sm		
D	300 x 450 x 7650mm long masonry columns	78	No		
	<b><u>Bridges and Walkways</u></b>				
	<b><u>Reinforced concrete class 25 in: -</u></b>				
E	200 x 100mm thick kerb	547	Im		
	<b><u>Sawn formwork</u></b>				
F	Vertical sides c 150mm high	1,092	Im		
	<b><u>Wrought mahogany</u></b>				
G	75mm diameter x 2.0mm thick varnished mahogany handrail fixed to 40 x 40mm main balusters.	0	Im		
	<b><u>Metal work</u></b>				
H	40x 40 x 2mm thick main balusters 800mm long one end split and fish-tailed , other end welded to handrail.	0	No		
J	25 x 25 x 3mm thick mild steel horizontal SI-15 welded to main and intermediate balusters at top	0	Im		
K	Ditto at the bottom	0	Im		
L	Ditto welded to main balusters at the bottom	0	Im		
M	25 x 25 x 3mm thick, 450mm long mild steel intermediate balusters welded to horizontal rails	0	No		
N	Leave or form hole in concrete for metal balusters	0	No		
	<b>Total of WALLING carried to General Summary</b>				

ITEM	DESCRIPTION	PAGE	RATE	AMOUNT
	<b>GENERAL SUMMARY</b>			
1	Preliminaries	NVS/M/22		
2	Demolitions and Substructure	NVS/M/26		
3	Reinforced Concrete Frame	NVS/M/29		
4	Walling	NVS/M/30		
	<b>CARRIED FORWARD</b>			

## PROPOSED MARKET AT NAIVASHA

ITEM	DESCRIPTION	PAGE	RATE	AMOUNT
	<b>GRAND SUMMARY</b>			
A	Total brought forward from page NVS/M/31			
B	Allow the Provisional Sum of Kshs ( 5,000,000.00) <b>(Kenya shillings Five million Only)</b> to cover for Contingencies			
	SUB-TOTAL			
	Add 16% VAT			
<b>TOTAL FOR THE PROPOSED MARKET AT NAIVASHA CARRIED TO FORM OF TENDER</b>				
	Contract Period .....52 Weeks.....  Amount in words ..... .....  Tenderers Name ..... .....  Adress .....  Signature .....Date.....			