

NAROK COUNTY GOVERNMENT RESERVED FOR WOMEN

STRATEGIC INTEGRATED WARD DEVELOPMENT PROGRAMME FOR NAROK COUNTY. PROPOSED CONSTRUCTION OF LIVESTOCK SALE YARD AND MODERN TOILETS (LOT 38)

TENDER NO: NCG/OT/043/2022-2023

TENDER CLOSING DATE 18-01-2023 AT 11:00 AM

DEPARTMENT OF AGRICULTURE, FISHERIES AND LIVESTOCK
NAROK COUNTY
GOVERNMENT, P.O. BOX 898–
20500, NAROK.

THE GOVERNOR,
NAROK COUNTY
GOVERNMENT, P.O. BOX 898–
20500, NAROK.

Lot 1 SITES

Lot 38: Comprise of the following-.

BILLS OF QUANTITIES FOR: PROPOSED CONSTRUCTION OF LIVESTOCK SALE YARD AND MODERN TOILETS (LOT 38)

TENDER NO: NCG/OT/043/2022-2023

PREAMBLES AND PRICING NOTES

A. GENERALLY

All work to be carried out in accordance with the Ministry of Public Works General Specifications for Building Works issued in 1976 or as qualified or amended below.

B. MANUFACTURERS' NAMES

Where manufacturers' names and catalogue references are given for guidance to quality and standard only. Alternative manufacturer of equal quality will be accepted at the discretion of the Project Manager.

C. WALLING

All precast concrete blocks shall be manufactured by the methods and to the sizes specified in the Ministry of Public Works "Specification for Metric Sized Concrete Blocks for Building (1972)"

Walling of 100 mm thickness or under shall be reinforced with hoop iron every alternate course.

Prices for walling must allow for all costs in preparing, packing and sending sample blocks for testing as and when required by the Project Manager.

D. CARPENTRY

The grading rules for cypress shall be the same for podocarpus and all timber used for structural work shall be select (second grade).

All structural timber must conform to the minimum requirements for moisture content and preservative treatment and timber prices must allow for preparing, packing and sending samples for testing when required.

Prices must also include for all nails and fasteners.

A. JOINERY

Cypress for joinery shall be second grade in accordance with the latest grading rules of the Kenya Government.

Where Mahogany is specified, this refers to prime grade only. The Contractor may with the approval of the Project Manager; use either Msharagi or Mvuli in lieu of Mahogany but such approval will be given only in the case of shortages of the hardwoods specified.

Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with propriety plugs of the correct sizes. Cutting with hammer and chisel will not be allowed.

Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and bedding in cement mortar as required. Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc, must be ascertained on site.

B. IRONMONGERY

Ironmongery shall be specified in the Bills of Quantities or equal and approved.

Prices must include for removing and re-fixing during and after painting, labeling all keys, and for fixing to hardwood, softwood, concrete or blockwork.

Catalogue references given for ironmongery are for purposes of indicating quality and size of item(s). Should the Contractor wish to substitute the specified item(s) with others of equal manufacture, he must inform the Project Manager and obtain approval in writing.

C. STRUCTURAL STEELWORK

All structural steelwork shall comply with the Ministry of Public Works "Structural Steelwork Specification (1973) and shall be executed by an approved Sub-contractor.

A. PLASTERWORK AND OTHER FINISHES

All finishings shall be as described in the general specifications and in these Bills of Quantities.

Prices for pavings are to include for brushing concrete clean, wetting and coating with cement and sand grout 1:1.

Rates for glazed wall tiling are to include for a 12 mm cement and sand (1:4) backing screed unless otherwise specified in these Bills of Quantities.

B. GLAZING

Where polished plate glass is specified, this refers to general glazing quality. Prices for glazing shall include for priming of rebates before placing putty. The Contractor will be responsible for replacing any broken or scratched glass and handing over in perfect condition.

C. PAINTING

Painting shall be applied in accordance with the manufacturers' instructions. Prices for painting are to include for scaffolding, preparatory work, priming coats, protection of other works and for cleaning up on completion. Prices for painting on galvanized metal are to include for mordant solution as necessary.

DESCRIPTION	AMOUNI
PRICING ITEMS OF PRELIMINARIES	
Prices SHALL BE INSERTED against items of "preliminaries" in the tenderer's	
priced Bills of Quantities. The Contractor is advised to read and understand all	
preliminary items.	
DESCRIPTION OF THE WORKS	
The works consist of Ward based development projects as stated in the introduction.	
SCOPE OF WORKS	
The works to be carried out under this contract comprises builder's work and associated	
civil works	
MEASUREMENTS	
In the event of any discrepancies arising between the Bills of Quantities and the	
actual works, the site measurements shall generally take precedence. However,	
such discrepancies between any contract documents shall immediately be referred to	
the PROJECT MANAGER. The discrepancies shall then be treated as a variation	
and be dealt with in accordance with the Conditions of Contract	
LOCATION OF SITE	
The site of the proposed works is at the various wards within Narok County	
The Contractor is advised to visit the site, to	
familiarize with the nature and position of the site. Claims arising from the	
Contractor's failure to do so will NOT be entertained.	
PAYMENTS	
The Tenderers' attention is drawn to the fact that the GOVERNMENT OF KENYA	
MAKES NO ADVANCE PAYMENTS, pays for work done and materials delivered	
to site: all in accordance with the Conditions of Contract agreement. In	
order to facilitate this, a list of the general component elements for the works is given	
in the summary page of these specifications and the Tenderer is requested to break	
down his tender sum commensurate to the said elements	
PREVENTION OF ACCIDENT, DAMAGE OR LOSS	
The Contractor is notified that these works are to be carried out on a restricted site	
where the client is going on with other normal activities. The Contractor is instructed	
to take reasonable care in the execution of the works as to prevent accidents, damage	

to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of normal activities being carried out by the Client. The Contractor shall allow in his rates any expense he deems necessary by taking such care within the site.

WORKING CONDITIONS

The Contractor shall allow in his rates for any interference that he may encounter in the course of execution of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the residents will be occupying the premises as usual during the course of the contract.

Carried to collection

Preliminaries

afterwards clearing away a signboard as designed, specified and approved by the Project Manager. LABOUR CAMPS The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract. CLAIMS It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and/or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claims	
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MATERIALS FROM DEMOLITIONS Any materials arising from demolitions and not re-used shall become the property of the Narok County Government.	
PRICING RATES The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the Conditions of Contract.	
BID SECURITY The tenderer shall furnish, as part of his bid, a bid security in the sum prescribed. The bid security shall, at the tenderer's option be in the form of a certified Cheque, Bank draft, stand by Letter of Credit or Guarantee from an approved bank/insurance co. located in Kenya or a foreign bank that has been determined to be acceptable to the government of Kenya. The format of the bank guarantee shall be in accordance with one of the sample forms of bid security included in the post qualification. Other formats may be permitted subject to prior approval of the government Letters of Credit, bank guarantee issued, as security for bid shall be valid for 30 days beyond the validity of the bid.	
URGENCY OF THE WORKS The Contractor is notified that these "Works are Urgent" and should be completed within the period state in these Particular Preliminaries. The Contractor shall allow in his rates for any costs he deems that he/she may incur by having to complete the works within the stipulated contract period.	
PAYMENT FOR MATERIALS ON SITE All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.	

Carried to collection

Particular Preliminaries

DESCRIPTION	AMOUNT
EXISTING SERVICES	
Prior to the commencement of any work, the Contractor is to ascertain from the	
relevant authority the exact position, depth and level of all existing services in the	
area and he/she shall make whatever provisions may be required by the authorities	
concerned for the support, maintenance and protection of such services.	
PERFORMANCE BOND	
A bond of 5% of the contract sum will be required in accordance with Conditions of	
Contract on award of contract of the Instructions to Tenderers. No payment on	
account for the works executed will be made to the contractor until he has submitted	
the Performance Bond to the Project Manager duly signed, sealed and stamped from	
an approved Bank.	
TENDER DOCUMENTS	
Tender documents are as listed in Clause 11 of the preparation of tenders Page 5	
DELIVERY OF TENDER	
Tenders and all documents in connection therewith, as specified above must be	
delivered in the addressed envelope which should be properly sealed and deposited at	
the offices as specified in the letter accompanying these documents or as indicated in	
the advertisement.	
Tenders will be opened at the time specified in the letter accompanying these Tender	
Documents or as indicated in the advertisement. Tenders delivered or received later	
than the above time will not be opened.	
VALUE ADDED TAX	
MI A	
The Contractor's attention is drawn to the Legal Notice in the Finance	
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<u>Particular</u> Preliminaries

DESCRIPTION	AMOUNT
Collection	
Brought forward from P.P/1	
Brought forward from P.P/2	
Brought forward from P.P/3	
TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO THE MA	IN SUMMARY

General		Prelim
ITEM	DESCRIPTION	AMOUNT
	GENERAL PRELIMINARIES	
A	PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES	
	Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.	
	The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.	
В	ABBREVIATIONS Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-	
	C.M. Shall mean cubic metre	
	S.M. Shall mean square metre	
	L.M. Shall mean linear metre	
	MM Shall mean Millimetre	
	Kg. Shall mean Kilogramme	
	No. Shall mean Number	
	Prs. Shall mean Pairs	
	B.S. Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England.	
	Ditto Shall mean the whole of the preceding description except as qualified in the description in which it occurs.	
	m.s. Shall mean measured separately.	
	a.b.d Shall mean as before described.	
	Carried to collection	ļ

DESCRIPTION	AMOUNT
EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT	
Attendance; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:- Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, mess rooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary; providing space for office accommodation and for storage of plant and materials; providing light and water for their work: clearing away rubbish; unloading checking and hoisting: providing electric power and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub-Contractors' work and being responsible for the accuracy of the same.	
Fix Only:-	
Fix Only shall mean take delivery at nearest station (Unless otherwise stated), pay all demurrage charges, load and transport to site where necessary, unload, store, unpack, assemble as necessary, distribute to position, hoist and fix only.	
EMPLOYER The term "Employer" and "Narok County Government" wherever used in the contract document shall be synonymous	
PROJECT MANAGER The term "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government. In this project the PM is the Director -Department of Public Works - Narok County. P.O. Box 898-20500 NAROK	
ARCHITECT The term "Architect" shall be deemed to mean "The Project Architect." whose address unless otherwise notified is the Department of Public Works -Narok County P.O. Box 898-20500 NAROK	
QUANTITY SURVEYOR The term "Quantity Surveyor" shall be deemed to mean "The Project Quantity Surveyor" whose address unless otherwise notified is Department of Public works -Narok County P.O. Box 898-20500, NAROK.	
ELECTRICAL ENGINEER The term "Electrical Engineer" shall be deemed to mean "The Project Electrical Engineer." whose address unless otherwise notified is Department of Public works -Narok County P.O. Box 898-20500, NAROK.	
MECHANICAL ENGINEER The term "Mechanical Engineer" shall be deemed to mean "The Project Mechanical Engineer" whose address unless otherwise notified is Department of Public Works -Narok County P.O. Box 898-20500, NAROK.	
Carried to collection	
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eneral ITEM	DESCRIPTION	AMOUNT
		·
A	STRUCTURAL ENGINEER Engineer."	
	whose address unless otherwise notified is Department of Public works -Narok County	
	P.O. Box 898-20500, NAROK.	
В	FORM OF CONTRACT	
2	The Form of Contract shall be as stipulated in the Conditions of Contract	
	The Conditions of Contract are also included herein	
	Particulars of insertions to be made in the Appendix to the Contract Agreement will be	
	found in the Particular Preliminaries part of these Bills of Quantities	
C	OCCUPATIONAL HEALTH AND SAFETY	
	Allow a Sum for Occupational health and safety measures.	
D	PLANT, TOOLS AND VEHICLES	
_		
	Allow for providing all scaffolding, plant, tools and vehicles required for the works	
	except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No	
	timber used for scaffolding, formwork or temporary works of any kind shall be used	
	afterwards in the permanent work.	
E	TRANSPORT.	
	Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.	
F	MATERIALS AND WORKMANSHIP.	
•	All materials and workmanship used in the execution of the work shall be of the best	
	quality and description unless otherwise stated. The Contractor shall order all materials	
	to be obtained from overseas immediately after the Contract is signed and shall also	
	order materials to be obtained from local sources as early as necessary to ensure that	
	they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.	
G	SIGN FOR MATERIALS SUPPLIED.	
G	The Contractor will be required to sign a receipt for all articles and materials supplied	
	by the PROJECT MANAGER at the time of taking deliver thereof, as having received	
	them in good order and condition, and will thereafter be responsible for any loss or	
	damage and for replacements of any such loss or damage with articles and/or materials	
	which will be supplied by the PROJECT MANAGER at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense,	
	to the satisfaction of the PROJECT MANAGER	
Н	STORAGE OF MATERIALS	
	The Contractor shall provide at his own risk and cost where directed on the site weather	
	proof lock-up sheds and make good damaged or disturbed surfaces upon completion to	
	the satisfaction of the PROJECT MANAGER Nominated Sub-Contractors are to be made	
	liable for the cost of any storage accommodation provided especially for their use.	
	Carried to collection	I

General		Prelim
ITEM	DESCRIPTION	AMOUNT
	<u>COLLECTION</u>	
	Brought forward from G.P/1	
	Brought forward from G.P/2	
	Brought forward from G.P/3	
		<u> </u>
	TOTAL FOR GENERAL PRELIMINARIES CARRIED TO THE	
	MAIN SUMMARY	
<u> </u>	MIII DUMMANI	

3 NO LIVESTOCK SALE YARDS

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	BILL NO.1 PARTICULAR PRELIMINARIES				
	TARTICULARTRELIWIIIVARIES				
	BILL NO.2				
В	GENERAL PRELIMINARIES				
	TOTAL FOR PRELIMINARIES				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	BILL NO.3-HOLDING YARD				
	<u>Fencing</u>				
	Site clearance				
Α	Clear site of grass and shrubs preserve trees on site				
	and burn up arisings.	15350	SM		
В	Construct using salvaged materials temporary	144			
	livestock market to be used by traders	411	Lm		
	Excavation Excavation				
С	Excavate pits size 400 x 400 x 750mm deep				
	starting from ground level.	42	Cm		
	<u>Disposal</u>				
D	Load, wheel and spread on site excavated material				
	as directed by the Project Manager.	42	Cm		
	The following in 1800mm high railing comprising				
	75 x 75 x 4mm SHS mild steel posts set into				
	concrete surround and 50 x 50 x 4mm SHS mild steel rails welded to vertical posts and primed				
	ready for painting to Project Managers Approval				
	rough for punning to Froject Frankagers Experts van				
	Insitu concrete: (mix 1:2:4/20) in:-				
Е	Post footings.	42	Cm		
	<u>Posts</u>				
_	2000mm high lugged on one end and firmly set				
F	into concrete surround (m.s) at 2000mm centre to	350	No		
	centre; 75x75x3mm SHS	330	110		
	Some, rom exemin ene				
	<u>Rails</u>				
G	50 x 50 x 3mm Thick rails welded to SHS mild				
	steel posts (m/s)	3869	Lm		
	Gates				
Н	Supply and install 50 x 50 x 3mm thick SHS mild	2.5			
	steel gates closing members permanently secured	26	No		
	to posts (m.s) with approved heavy duty anti-theft				
	chain as directed by the Project Manager				
	Total carried to summary	I	I	1	
	,				

Mass concrete (1:2:4) permanent safety seal to: A Top of hollow mild steel posts (m.s) 350 No B Ends of hollow mild steel gate closing members 180 No C Ends of hollow mild steel gate closing members 180 No Painting and decorating Apply one under and two finishing coats of gloss oitl paint on: D Metal surfaces 200-300mm girth 4394 Lm Loading Ramp and other civil works Earthworks E Excavate oversite to remove vegetable soil average 200mm deep and cart away 16 Sm F Ditto foundation trench not exceeding 1.5m deep starting from existing ground level 13 Cm Concrete works Somm Thick concrete 1:4:8 blinding under foundations 13 Sm H Mass concrete 1:2:4 in foundations 3 Cm Walling 1 200mm Thick stone foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas 328 Cm K 50mm Thick compacted murram blinding on hardcore surface 16 Sm	ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A Top of hollow mild steel posts (m.s) B Ends of hollow mild steel railings (m.s) C Ends of hollow mild steel gate closing members Painting and decorating Apply one under and two finishing coats of gloss oitl paint on: D Metal surfaces 200-300mm girth Loading Ramp and other civil works Earthworks E Excavate oversite to remove vegetable soil average 200mm deep and cart away 16 Sm F Ditto foundation trench not exceeding 1.5m deep starting from existing ground level 13 Cm Concrete works G Somm Thick concrete 1:4:8 blinding under foundations H Mass concrete 1:2:4 in foundations 3 Cm Walling D Metal surfaces 200-300mm girth Loading Ramp and other civil works Earthworks Earthworks E Excavate oversite to remove vegetable soil average 200mm deep and cart away 16 Sm C m Concrete works G Somm Thick concrete 1:4:8 blinding under foundations 13 Sm H Mass concrete 1:2:4 in foundations 29 Sm reinforced with 500g hoop iron Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas K Somm Thick compacted murram blinding on						
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D Metal surfaces 200-300mm girth Loading Ramp and other civil works Earthworks E Excavate oversite to remove vegetable soil average 200mm deep and cart away 16 Sm F Ditto foundation trench not exceeding 1.5m deep starting from existing ground level 13 Cm Concrete works 50mm Thick concrete 1:4:8 blinding under foundations 13 Sm H Mass concrete 1:2:4 in foundations 3 Cm Walling 1 200mm Thick stone foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas K 50mm Thick compacted murram blinding on						
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200mm deep and cart away 16		<u> </u>				
F Ditto foundation trench not exceeding 1.5m deep starting from existing ground level Concrete works Somm Thick concrete 1:4:8 blinding under foundations H Mass concrete 1:2:4 in foundations 3 Cm Walling 200mm Thick stone foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels J Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas K 50mm Thick compacted murram blinding on	E					
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starting from existing ground level Concrete works 50mm Thick concrete 1:4:8 blinding under foundations 13 Sm H Mass concrete 1:2:4 in foundations 3 Cm Walling 1 200mm Thick stone foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas 8 Somm Thick compacted murram blinding on	l F	Ditto foundation trench not exceeding 1.5m deep				
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G 50mm Thick concrete 1:4:8 blinding under foundations 13 Sm H Mass concrete 1:2:4 in foundations 3 Cm Walling 200mm Thick stone foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas 328 Cm K 50mm Thick compacted murram blinding on						
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H Mass concrete 1:2:4 in foundations 3 Cm Walling 1 200mm Thick stone foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels J Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas K 50mm Thick compacted murram blinding on	G	_				
Walling 200mm Thick stone foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas K 50mm Thick compacted murram blinding on		foundations	13	Sm		
Walling 200mm Thick stone foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas K 50mm Thick compacted murram blinding on		Mass concrete 1:2:4 in foundations	3	Cm		
200mm Thick stone foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas X 50mm Thick compacted murram blinding on	''	iviass concrete 1.2.4 in foundations		Cili		
and jointed in cement and sand (1:3) mortar and reinforced with 500g hoop iron Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas K 50mm Thick compacted murram blinding on		Walling				
reinforced with 500g hoop iron Filling to make up levels J Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas K 50mm Thick compacted murram blinding on	1	200mm Thick stone foundation walling bedded				
Filling to make up levels Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas K 50mm Thick compacted murram blinding on			29	Sm		
J Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas 328 Cm K 50mm Thick compacted murram blinding on		reinforced with 500g hoop iron				
J Natural stone hardcore, hand-packed, watered and compacted in layers in ramp and high traffic areas 328 Cm K 50mm Thick compacted murram blinding on		Filling to make up levels				
compacted in layers in ramp and high traffic areas 328 Cm K 50mm Thick compacted murram blinding on	l ,					
K 50mm Thick compacted murram blinding on		<u> </u>	328	Cm		
hardcore surface 16 Sm	K					
		hardcore surface	16	Sm		
Total carried to summary		Total carried to summary				
Total carried to summary		Total carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	Inscaticida traatment				
	Insecticide treatment				
	Premise SC or other equal and approved				
	termiticide 0.5% solution to be applied at the rate				
	of 4 litres per square metre on top of blinded hardcore surface and top of foundation walls				
Α	To blinded surface and top of foundations	16	Sm		
	To office surface and top of foundations				
	Damp-proof membrane				
	1000 Gauge polythene; 150mm laps; no				
	allowances made for laps				
В	Horizontal; over 300mm wide	16	SM		
	Slab				
	Insitu reinforced concrete: (mix 1:1½:3) grade 25				
	(20mm aggregate): vibrated in:				
С	150mm Thick sloping slab finished with textured				
	surface	16	SM		
	Sawn timber formwork to:				
D	Vertical sides of slab 75-150mm high	21	LM		
	Mesh fabric reinforcement				
Е	BRC Fabric mesh reinforcement Ref. A142;				
	weighing 2.22kg per square metre(measured net	16	SM		
	no allowances made for laps) including bends				
	tying wire and distance blocks.				
	<u>Plinth</u>				
F	15mm Thick cement sand (1:4) rendering to	18	SM		
	plinth; wood float finish				
G	Prepare and apply three coats of premium quality				
	bituminous paint to rendered walls; externally	18	SM		
Н	Car tyres buffer to loading ramp		Item		
	Total carried to summary				
	_				

Pit Latrine A Provide all materials and construct 2-Door pit latrine comprising the following:. 1000x1000x20,000mm deep hole including all excavations in rock and dosposals, 150 mm thick vibrated reinforced concrete slab, reinforced with BRC A142 mesh, walls in 200mm thick natural stone and roof cover in 28gauge corrugated Iron sheets, all finished with external keying, internal plaster and paint and 2No. match boarded doors and frames including furniture and locking accessories to detail provided and approval of the project manager. B Ditto but 3door pit latrine 1 NO	ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	Α	Pit Latrine Provide all materials and construct 2-Door pit latrine comprising the following:, 1000x1000x20,000mm deep hole including all excavations in rock and dosposals, 150 mm thick vibrated reinforced concrete slab, reinforced with BRC A142 mesh, walls in 200mm thick natural stone and roof cover in 28gauge corrugated Iron sheets, all finished with external keying, internal plaster and paint and 2No. match boarded doors and frames including furniture and locking accessories to detail provided and approval of the project manager.	1	NO	RATE	TOTAL
Total carried to summary		Total carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	SUMMARY				
1	TOTAL FROM PAGE HY/1				
2	TOTAL FROM PAGE HY/2				
3	TOTAL FROM PAGE HY/3				
4	TOTAL FROM PAGE HY/4				
	Total for Holding Yard carried to grand summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	BILL NO.4-VETERINAY OFFICE BLOCK				
	ELEMENT NO. 1				
	SUBSTRUCTURES				
	(All provisional)				
Α	Clear site of all grass and small trees not exceeding	 ισ			
^`	600mm girth and cart away or burn arisings.	90	Sm		
	german german ama ama an ang ara an				
В	Excavate oversite to remove vegetable soilt average	ge			
	200mm deep, cart away and spread on site as direc	80	Sm		
С	Excavate for foundation trenches starting from				
	stripped level but not exceeding 1.5m deep.	31	Cm		
		1-			
D	Extra over all kinds of excavation for excavating r	оск 7	Cm		
	irrespective of class.	/	Cili		
E	Allow for keeping excavations free from all water	bv			
	pumping or otherwise.	1	Item		
F	Excavations.	1	Item		
	<u>Disposals</u>				
G	Return fill and ram selected excavated material	10			
	around foundations.	19	Cm		
Н	Excavated material and deposit in approved dump	 vina			
''	area.	20	Cm		
	50 mm plain concrete (1:4:8 - class 15/20mm)				
	blinding under:				
ı	Strip footing.	31	Sm		
	Insitu concrete mix(1:1½:3) grade 25 (20mm				
	aggregate): vibrated: reinforced in:-				
J	Strip Foundation	6	Cm		
		ļ	1	ļ	
	Total to collection page				
	2 5				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO. 1 CONT'D				
А	Ground floor slab 150mm thick	80	Sm		
	Reinforcement (All Provisional) High tensile square twisted bars BS 4461 as describent	<u>oed</u>			
В	in : 8mm Diameter bars	90	Kgs		
С	12mm Ditto	468	Kg		
D	BRC Fabric mesh Ref. A142	80	Sm		
	Anti-termite treatment Premise SC or other equal and approved termiticide 0.5% solution to be applied at the rate of 4 litres pe square metre on top of blinded hardcore surface and top of foundation walls	<u>r</u>			
E	To quarry dust surface and top of foundations	80	Sm		
F	Water proofing Polythene Damp Proof Course 500 Gauge damp proof membrane with 300mm minimum laps	80	Sm		
G	SUBWALL Natural Quarry Stone walling reinforced with 26G iron hoop in every alternate courses bedded and jointed in cement and sand mortar mix (1:3) 200mm Thick	62	Sm		
	Imported Filling				
Н	300mm Thick approved handpacked hardcore filling to make up levels compacted in 150mm thick layer	_	Sm		
ı	50mm murram blinding to hardcore surface	80	Sm		
	Total to colllection page		ļ	1	

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO. 1 CONT'D	ı			
	Cement and sand (1:4) rendering				
Α	12mm thick cement and sand render mix 1:4 to pli	nth			
	surfaces	39	Sm		
В	Prepare and apply three coats of black butimastic				
	paint to rendered surfaces.	39	Sm		
	Paving Slabs				
С	Excavate, compact ground and lay 600x600x50mi	I n			
	thick precast concrete paving slabs on murram bed				
	including jointing and pointing in cement sand mormix (1:4)	47	Sm		
	Total to Collection				
	COLLECTION				
	COLLECTION Brought forward from page VO/1				
	Brought forward from page VO/2				
	Brought forward from above				
		<u>I</u>	<u> </u>	1	
	Total for substructures carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO. 2 RC SUPERSTRUCTURE Insitu concrete mix(1:1½:3) grade 25 (20mm				
А	aggregate): vibrated: reinforced in:- Beams	4	Cm		
	High yield square twisted bar reinforcement to B.S. 4461				
В	8mm Diameter bars	146	Kg		
С	12mm Ditto	190	Kg		
D	Sawn formwork: to Sides of beams	31	Sm		
Е	Soffites of beams	4	Sm		
	Total for RC superstructures carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.3 WALING				
	NATURAL STONE WALLING				
	Approved natural stone; machine-cut; bedded and jointed in cement and sand (1:3) mortar				
Α	200mm Thick external walling reinforced with and including 20swqx25mm wide hoop iron in every alternate course	70	Sm		
В	Ditto internally	35	Sm		
С	Sundries Fair raking cutting to top of 100mm thick natural stone wall	29	Lm		
D	Labour and materials in eaves filling with 200 mm thick natural stone laid and jointed in cement mort (1:4) to eaves 150mm high		Lm		
E	Bituminous or other equal approved damp-proof course; 3 ply membrane 200mm wide	39	Lm		
	Total for walling carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO. 4				
	ROOF AND RAINWATER DISPOSAL				
	TRUSSES				
	(All Provisional)				
	The following in 7No. nailed cel-cured timber trus	l ses			
	spanning 4700mm including hoisting and placing				
	3000mm above ground floor level				
Α	150 x 50mm Rafters	86	Lm		
В	Ditto tie beam/ceiling joists	66	Lm		
С	100 x 50mm Struts and ties	54	Lm		
D	Ditto king post	20	Lm		
E	Ditto purlins	180	Lm		
F	225 x 25mm Wrot cypress facia board/verge board	46	Lm		
	Covering				
	IT5 box profile roof covering				
	26g prepainted iron roofing sheets laid and fixed to	<u>0</u>			
	timber purlins (m/s) with approved screw nails wit	<u>h</u>			
	and including heavy duty rubber caps with matchin	ı [—]			
G	Roof covering	104	Sm		
Н	Angled ridge cap	13	Lm		
	RAIN WATER DISPOSAL				
	The following in 24g mild steel sheeting				
1	200 x 200 x 150mm box profile gutter including				
	soldered joints in the running including approved				
	6mm thick metal brackets welded at 600mm centre	1			
	centre to purlins.	36	Lm		
J	Ditto elbow	4	No		
	Carried to collection page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL	
	ELEMENT NO. 4 Cont'd					
А	Extra over ditto for stoppred ends	4	No			
В	Ditto horse shoe	4	No			
С	Ditto for 100mm diameter nozzle outlet	4	No			
D	100mm Diameter downpipe clipped to masonry/concrete	14	Lm			
E	Exra over ditto for swan neck	4	No			
	Painting and Decoration					
	Prepare surfaces, knot, prime and stop and apply of undercoat and two finishing coats of first quality good paint to:					
F	Timber surfaces 200-300mm girth	46	Lm			
G	Prepare and apply 2No. Metal primer 1No. Finishin coats of gloss paint to metal surfaces	ng 20	Sm			
	Total Carried to Collection					
	COLLECTION					
	Brought forward from VO/6					
	Brought forward from above					
	Total for roofing and rainwater disposal carried to summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO. 5				
	<u>DOORS</u>				
	Steel doors				
	Fabricate, deliver and install the following purpose	<u> </u>			
	made steel casement doors (to Architect detail) to				
	comply to B.S 990, obtained from approved				
	manufucturer, primed with redoxide primer before	<u> </u>			
	delivery to site, complete with hinges, handles,				
	catches and to include 300mm high louvered top v	•			
	covered with mosquito gauze wire reinforced with				
	coffee tray wire.				
А	Ditto 900 x 2400mm high	4	No		
	Prepare and apply one undercoat and two finishing				
	coats of first quality oil paint as described to:-	<u>.</u> 			
	cours of first quarity on paint as described to.				
В	General surfaces of metal doors	18	Sm		
	Total for doors comind to seem to				
	Total for doors carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.6				
	WINDOWS				
	Precast concrete units; mix 1:1.5:3 (12mm aggrega	tes)			
	Vibrated; reinforced with 2No. 8mm				
Α	150x50mm cill; weathered, throated and grooved				
	for water bar (m/s)	12	Lm		
	<u>Sundries</u>				
В	Form 20x20mm thick vertical groove in concrete of	r			
	blockwork for water bar	12	Lm		
С	50x2mm PVC water bar to approval; set in groove	12	Lm		
	Steel casement windows				
	Supply and fix standard composite section steel				
	casement windows fabricated in 4mm thick Z and				
	angle sections from an approved steel manufacture	r			
	with brass handles, stays and steel hinges; permane				
	vents along top full lengths; fixed with lugs built in				
	concrete or blockwork; pointed externally in mastic				
	oil and finished with one coat calcium plumbate	=			
D	Window size 1500x1500mm overall	8	No		
	Metal Grilles				
	Grilles comprising 8mm diameter square twisted by	ars			
	spaced vertically and horizontally at 150mm centre				
	with top, bottom and sides welded to 25x6mm thic				
	metal flat fixed to masonry/concrete in cement and	 '			
	sand (1:4) mortar:-				
E	Metal grilles as per Architects drawings	18	Sm		
	Prepare and apply one undercoat and two finishing				
	coats of first quality oil paint as described to:-				
F	General surfaces of metal casements	36	Sm		
	Comment and comment and the	26	C		
G	General surfaces of grilles	36	Sm		
	Total for windows carried to summary		1	1	

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.7 FINISHES				
	Floor finishes				
	Screed; cement and sand; finished smooth and hard with cement grout	<u>1</u>			
А	25mm Thick	80	Sm		
	Wall finishes 12mm thick two coat gauged cement lime and sand (1:2:9) plaster steel trowelled smooth to:-	<u>l</u>			
В	Walls internally including beams	140	Sm		
С	12mm Thick cement and sand (1:4) render to:- Walls externally including beams	15	Sm		
D	Recess horizontal and flush vertical key pointing in cement and sand (1:4) mortar to:- Walls externally	80	Sm		
E	Ceiling Finishes 12m thick, celotex ceiling finish on timber brandering at 600mm centres (m/s)	70	Sm		
F	50x50mm sawn celcured cypress brandering at 600mm centres	245	Lm		
G	75x25mm wrot cypress moulded cornice plugged	85	Lm		
	Painting and decoaration Prepare and apply three coats PVA based premium quality silk vinyl emulsion paint or other equal arapproved to:-				
G	Plastered wall surfaces and ceiling internally	210	Sm		
	Prepare and apply three coats first quality emulsion paint to:-	<u>1</u>			
н	Rendered surfaces externally	15	Sm		
	Total for Finishes carried to summary				

ELECTRICAL WORKS.

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	Supply, install, test and commission the following				
А	Lighting POINTS Lighting points wired in 3x1.5mm2 SC CU cables in concealed 20mm diameter HG P.V.C conduits for :-				
	a) one way switching	NO	11		
В	SWITCHES 10Amps, switch plate as MK RANGE or equal and approved equivalent as				
	a) one gang one way	NO	4		
	b) two gang one way	NO	1		
	LIGHTING FITTINGS				
С	Lighting fittings complete with bulbs or tubes as follow	/s:-			
	a) 1200mm 1V2C)Notto flavoracent fitting				
	a) 1200mm, 1X36Watts flourescent fitting bare battens as PHILLIPS or approved equivalent	NO	5		
	bare sattens as i meen s or approved equivalent	110			
	b) 100A bulkhead fitting as THORN or approved equivalent	NO	6		
	SOCKET OUTLETS/POWER POINTS				
D	13Amps socket outlet points wired in 3x2.5mm sq. single core PVC CU. Cables drawn in concealed 20mm HG PVC conduits.	NO	4		
E	13Amps moulded plate twin switched socket outlet as CLIPSAL or approved equivalent	NO	4		
					ļ
	Total to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	POWER DISTRIBUTION				
А	4-way consumer unit wall mounted as HAVELLS or approved equivalent c/w 100A SPN integral switch.	NO	2		
В	Single pole miniature cicuit breaker as HAVELLS or approved equivalent of the following rating:- a) 6A	NO	3		
	b) 16A	NO	3		
	2, 25				
С	3x10.0mm PVC single copper cables drawn in 32mm HG PVC conduit concealed from distribution board to consumer unit.	М	14		
D	Electrical earthing comprising 16.0mm2 single-Core copper cables drawn inside HG conduits, 1500mm by 15mm diameter copper electrode with clamp and a pre-cast concrete inspection pit with cover.	ITEM	1		
E	Single meter tarrif pre-fabricated meter box complete with 63A double pole intregral switches as ABB or approved equivalent	item	1		
	Total to collection				
	COLLECTION				
	Callaction from 12 22 VO /44				
А	Collection from page VO/11				
В	Collection from Above				
	TOTAL TO SUMMARY FOR ELECTRICAL WORKS		,		

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	SUMMARY				
1	Substructures from VO/3				
2	RC superstructures from VO/4				
3	Walling from VO/5				
4	Roof construction from VO/7				
5	Doors from VO/8				
6	Windows from VO/9				
7	Finishes VO/10				
8	Electrical works VO/12				
	Total for Veterinary Office Block carried to grand summary				
	Total for Vetermary Strice Brock carried to grain summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	BILL NO.5-STALLS				
	ELEMENT NO.1				
	SUBSTRUCTURES (All Provisional)				
Α	Clear the site of all grass and small trees not exceeding				
	600mm girth and cart away or burn up arisings	120	Sm		
В	Excavate oversite to remove vegatable soilt average				
ı	200mm deep, cart away and spread on site as directed	120	Sm		
С	Excavate for foundation trenches starting from				
	stripped level but not exceding 1.5m deep	52	Cm		
D	Ditto but column bases.	5	Cm		
Е	Exta over excavations for excavating rock				
	irrespective of class.	11	Cm		
F	Allow for keeping excavations free from all water by				
	pumping or otherwise.		Item		
G	Ditto; for plunking and strutting to sides of		Item		
	<u>Disposals</u>				
Н	Return, fill in and ram selected excavated	2.4			
	materials around foundations.	34	Cm		
J	I and wheel and cout array from site arraylys				
J	Load, wheel and cart away from site surplus excavated materials and deposit in approved dumping.	23	Cm		
	excavated materials and deposit in approved dumping.	23	CIII		
	50mm plain concrete (1:4:8- class 15/20mm)				
	blinding under:				
K	Strip footing	44	sm		
Ĺ	Column bases	4	sm		
Ī		·	5111		
-	insitu concrete mix (1:1½:3) grade 25 (20mm				
	aggregate): vibrated: reinforced in:-				
М	Strip foundation	9	Cm		
N	Column bases and columns	1	Cm		
Р	Ground floor slab 150mm thick	77	Sm		
	Reinforced (All provisional)				
_	Ribbed bars as described in:				
Q	8mm ditto	195	Kgs		
R	10mm ditto	380	Kgs		
S	12mm ditto	425	Kgs		
Т	BRC Fabric mesh Ref A142	77	sm		
		•	•	•	
	Total to collection page				
	\$/1				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	Sawn form work to:				
Α	Sides of strip foundation	29	Sm		
В	Sides of column bases and columns	8	Sm		
C	Edges of slab; 150-25mm	45	Lm		
	Anti-termite treatment Premise SC or other equal and approved termiticide 0.5% solution to be applied at the rate of 4 litres per square metre on top of blinded hardcore surface and				
	top of foundation walls				
D	To quarry dust surface and top of foundations	77	Sm		
	Polythene Damp Proof Course				
Е	500 Gauge damp proof membrane with 300mm				
	minimum laps	77	Sm		
F	Natural Quarry Stone walling reinforced with 26G iron hoop in every alternate courses bedded and jointed in cement and sand mortar mix (1:3) 200mm Thick	80	Sm		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
G	Imported Filling 300mm Thick approved handpacked hardcore filling to make up levels compacted in 150mm thick layers	77	Sm		
Н	50mm murram blinding to hardcore surface	77	Sm		
J	Cement and sand (1:4) rendering 12mm thick cement and sand render mix 1:4 to plinth surfaces	13	Sm		
К	Prepare and apply three coats of black butimastic paint to rendered surfaces.	13	Sm		
L	Paving Slabs Excavate, compact ground and lay 600x600x50mm thick precast concrete paving slabs on murram bed including jointing and pointing in cement sand mortar mix (1:4)	53	Sm		
	Total to Collection				
	COLLECTION Brought forward from page S/1 Brought forward from page above				
	Total for substructures carried to summary		•		

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO. 2				
	RC SUPERSTRUCTURE				
	Insitu concrete mix(1:1½:3) grade 25 (20mm				
	aggregate): vibrated: reinforced in:-				
A	Beams	3	Cm		
	Dikked how winforcement to				
	Ribbed bar reinforcement to				
В	8mm Diameter bars	60	Kg		
		• 40			
С	12mm Ditto	240	Kg		
	Sawn formwork: to				
	<u> </u>				
D	Soffites of beams	26	Sm		
	Total for RC superstructures carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.3				
	WALLING				
	NATURAL STONE WALLING				
	Approved natural stone; machine-cut; bedded and jointed in cement and sand (1:3) mortar				
А	200mm Thick external walling reinforced with and including 20swqx25mm wide hoop iron in every alternate course	28	Sm		
В	Ditto in gables	21	Sm		
С	Ditto: but internally	48	Sm		
D	Ditto in gables internally	22	Sm		
E	Sundries Fair raking cutting to top of 100mm thick natural stone wall	19	Lm		
F	Labour and materials in eaves filling with 200 mm thick natural stone laid and jointed in cement mort (1:4) to eaves 150mm high		Lm		
G	Bituminous or other equal approved damp-proof course; 3 ply membrane 200mm wide Middle steel stanchions	28	Lm		
н	300mm high bottom end bolted in concrete with an including plates, bolts and nuts, top side welded will plate 75x75x5mm SHS	i i	No		
	Total for walling carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO. 4				
	ROOF AND RAINWATER DISPOSAL				
	TRUSSES (All Provisional)				
	(THI TIOVISIONAL)				
	The following in 13No. nailed cel-cured timber tru	<u>sses</u>			
	spanning 7400mm including hoisting and placing				
	3000mm above ground floor level	100	_		
Α	150 x 50mm Rafters	123	Lm		
В	Ditto tie beam/ceiling joists	96	Lm		
С	100 x 50mm Struts and ties	80	Lm		
_		20			
D	Ditto king post	38	Lm		
Е	Ditto purlins	139	Lm		
_	Z w parms	10)			
F	225 x 25mm Wrot cypress facia board/verge board	47	Lm		
	Covering				
	IT5 box profile roof covering				
	26g prepainted iron roofing sheets laid and fixed to	I O			
	timber purlins (m/s) with approved screw nails with				
	and including heavy duty rubber caps with matchin	· -			
G	Roof covering	132	Sm		
	Angled ridge con	1 /	I		
Н	Angled ridge cap	14	Lm		
	RAIN WATER DISPOSAL				
	The following in 24g mild steel sheeting				
J	200 x 200 x 150mm box profile gutter including				
	soldered joints in the running including approved				
	6mm thick metal brackets welded at 600mm centre	i	_		
	centre to purlins.	28	Lm		
				1	
	Carried to collection page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL	
	ELEMENT NO. 4 Cont'd					
А	Extra over ditto for stopped ends	4	No			
В	Ditto for 100mm diameter nozzle outlet	4	No			
С	100mm Diameter mild steel downpipe gauge 26 clipped to masonry/concrete	12	Lm			
D	Exra over ditto for swan neck	4	No			
Е	Ditto horse shoe	4	No			
F	Eaves Construction 3mm thick PVC tongued and grooved ceiling fixed and including 50x50mm thick sawn celcred brandering	on 42	Sm			
G	PVC cornice to match	55	Lm			
	Painting and Decoration					
	Prepare surfaces, knot, prime and stop and apply or undercoat and two finishing coats of first quality gloil paint to:					
Н	Timber surfaces 200-300mm girth	47	Lm			
J	Prepare and apply 2No. Metal primer 1No. Finishin coats of gloss paint to metal surfaces externally	ng 19	Sm			
К	Prepare and apply 3No. Coats of bituminous paint metal surfaces internally	to 15	Sm			
	Total Carried to Collection					
	COLLECTION					
	Brought forward from S/5					
	Brought forward from above					
	Total for roofing and rainwater disposal carried to summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.5				
	Roller shutter Door				
A	Rool-up aluminium door puller shutter size 3000x2550mm high with and including steel frames pinned to block wall with gears, rails all necessary		No		
	iron mongery and other necessary furniture all to detail and approval				
	Total for doors carried to grand summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	ELEMENT NO.6 STEEL BENCHES Supply materials and fabricate fixed steel benches to Archrect's details and to Engineer's approval		Item	RATE	TOTAL
	Total for steel benches carried to grand summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.7 FINISHES				
А	Floor finishes Screed; cement and sand; finished smooth and hard with cement grout 25mm Thick	<u> </u> 	Sm		
В	Wall finishes 12mm thick two coat gauged cement lime and sand (1:2:9) plaster steel trowelled smooth to:- Walls internally including beams	<u>l</u> 154	Sm		
С	12mm Thick cement and sand (1:4) render to:- Walls externally including beams	26	Sm		
D	Recess horizontal and flush vertical key pointing in cement and sand (1:4) mortar to:- Walls externally	1 1 28	Sm		
E	Painting and decoaration Prepare and apply three coats PVA based premium quality silk vinyl emulsion paint or other equal an approved to:- Plastered wall surfaces internally		Sm		
F	Prepare and apply three coats first quality emulsion paint to:- Rendered surfaces externally	1 1 28	Sm		
G	Ceiling Finishes 12m thick, celotex ceiling finish on timber brandering at 600mm centres (m/s)	77	Sm		
Н	50x50mm sawn celcured cypress brandering at 600mm centres	260	Lm		
J	Wrot cyrpess cornice, plugged. 75x25mm, moulded	55	Lm		
К	Prepare and apply three coats premium quality plasemulsion paint to:- Soffites of celotex surfaces	<u>stic</u> 77	Sm		
L	Timber surfaces not exceeding 100mm girth	55	Lm		
М	Electrical works as per BQ		Item		
	Total for Finishes carried to summary				

ELECTRICAL WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	Supply, install, test and commission the following				
А	LIGHTING POINTS Lighting points wired in 3x1.5mm2 SC CU cables in concealed 20mm diameter HG P.V.C conduits for :-				
	a) one way switching	NO	14		
В	SWITCHES 10Amps, switch plate as MK RANGE or equal and approved equivalent as a) one gang one way	NO NO	6		
	b) two gang one way	NO	2		
С	LIGHTING FITTINGS Lighting fittings complete with bulbs or tubes as follow	 /s:- 			
	a) 1200mm, 1X36Watts flourescent fitting bare battens as PHILLIPS or approved equivalent	NO	8		
	b) 100A bulkhead fitting as THORN or approved equivalent	NO	6		
	SOCKET OUTLETS/POWER POINTS				
D	13Amps socket outlet points wired in 3x2.5mm sq. single core PVC CU. Cables drawn in concealed 20mm HG PVC conduits.	NO	6		
E	13Amps moulded plate twin switched socket outlet as CLIPSAL or approved equivalent	NO	6		
	Total to collection		1		

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	POWER DISTRIBUTION				
А	4-way consumer unit wall mounted as HAVELLS or approved equivalent c/w 100A SPN integral switch.	NO	2		
В	Single pole miniature cicuit breaker as HAVELLS or approved equivalent of the following rating:- a) 6A b) 16A	NO NO	3		
С	3x10.0mm PVC single copper cables drawn in 32mm HG PVC conduit concealed from distribution board to consumer unit.	LM	15		
D	4core armoured underground cable	LM	14		
E	Seven meter tarrif pre-fabricated with 16gugae sheet meter box .	No	1		
F	63A double pole intregral switches as ABB or approved equivalent	No	3		
	Total to collection				
	COLLECTION				
Α	Collection from page S/10				
В	Collection from Above				
	TOTAL TO SUMMARY FOR ELECTRICAL WORKS				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>SUMMARY</u>				
A	SUBSTRUCTURES FROM PAGE S/2				
В	RC SUPERSTRUCTURE FROM PAGE S/3				
С	WALLING FROM PAGE S/4				
D	ROOF AND RAINWATER DISPOSAL FROM PAGE S/6				
E	DOOR FROM PAGE S/7				
F	STEEL BENCHES FROM PAGE S/8				
G	FINISHES FROM PAGE S/9				
Н	ELECTRICAL WORKS FROM PAGE S/11				
	Total for Stalls carried to grand summary		1		

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	BILL NO.5-SHADE				
	ELEMENT NO.1				
	<u>SUBSTRUCTURES</u>				
	(Provisional)				
	Site clearance				
A	Clear the site of grass, shrubs and small trees				
	and burn up arisings	40	Sm		
	<u>Earthworks</u>				
В	Excavate oversite to remove vegatable soil				
	average 200mm deep and cart away	32	Sm		
С	Ditto strip foundation starting from stripped				
	levels but not exceeding 1.50 metres deep	17	Cm		
D	Ditto but column bases.	6	Cm		
E	Exta over excavations for excavating in rock				
	of any class.	12	Cm		
F	Return, fill in and ram selected excavated				
'	materials around excavations.	12	Cm		
G	Load and cart away excess excavated				
"	materials and spread as directed.	16	Cm		
	inactials and spicad as directed.	10	Cin		
	Disposal of water				
Н	Keep all excavations free from all water		T/		
	including running and spring water.	1	Item		
1	Allow for plunking and strutting.	1	Item		
	Filling				
J	300mm Thick natural stone hardcore filling,				
	watered compacted in layers not exceeding				
	100mm maximum thickness.	31	Sm		
K	50mm Thick quarry dust blinding to surfaces				
	of hardcore.	31	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
Α	TERMIDOR' or other equal and approved				
	insecticide with ten year guarantee on		~		
	surfaces of hardcore and tops of foundations.	32	Sm		
	<u>Concrete</u>				
В	50mm Thick mass concrete class Q (1:3:6)	17	Sm		
	blinding under foundations.				
С	Ditto under column bases.	6	Sm		
	Insitu vibrated reinforced concrete class				
	20/(20mm) in:-	4			
D	Strip foundations.	4	Cm		
Е	Column bases.	3	Cm		
F	Sub columns.	1	Cm		
G	150mm Thick floor slab.	32	Sm		
	Reinforcement				
	Bars; high yield steel; cold worked to BS 4461				
	including bends, hooks, tying wire, and				
	distance blocks				
Н	16mm Diameter bars.	72	Kg		
I	12mm Ditto.	102	Kg		
J	8mm Ditto.	78	Kg		
	Mesh fabric reinforcement to B.s 4483	22			
K	Reference A142 mesh 200x200mm, weighing	32	Sm		
	2.22kg per m2 (measured net- no allowance				
	made for laps) including bends, tying wire,				
	and spacer blocks.				
	Steel stud columns				
L	100x4mm CHS stud columns with	10	Lm		
	150X150x10mm steel plate (m.s) welded at				
	top and 4No. 100mm long 8mm diameter				
	steel rod plugs columns (Approximate length				
	1.60 metres)				
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL	
١.,	Sawn timber formwork to:-	10	G			
Α	Sides of columns.	10	Sm			
В	Edge of slab 75-150mm high.	32	Lm			
С	Sub-wall 200mm Thick approved local stones roughly dressed in foundation walling bedded and jointed in cement and sand (1:3) mortar and reinforced in every third course with hoop iron.	32	Sm			
D	Damp-proofing 1000g Polythene damp-proof membrane.	32	Sm			
E	Insitu finishings 14mm Thick cement and sand (1:3) render on plinth walls.	16	Sm			
F	Prepare surfaces and apply three coats of black bituminous paint on rendered surfaces.	16	Sm			
G	Screed; cement and sand 1:4 steel trowelled; 30 mm Thick with cement grout	32	SM			
	Total carried to collection below					
	Collection Total brought forward from page CS/1					
	Total brought forward from page CS/2					
	Total brought down from above					
	Total for substructures carried to Summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.2				
	STEEL STRUCTURE				
	100 x 5mm thick CHS steel column with				
	150 x 150x10mm thick steel plates (m.s)				
	welded at top and bottom, 4No. Holes drilled				
	into each plate, bottom bolted to steel stud				
	columns.				
A	Columns 2700mm high	6	No		
	<u>Fittings</u>				
В	150 x 150x10mm gusset plate with 4No.	0	No		
	Holes to receive bolts.				
С	12mm diameter 50mm long bolts with head	0	No		
	nuts and washer.				
	<u>Painting</u>				
	Prepare and apply one coat lead oxide primer				
	on:				
D	General surfaces of metal	1	Sm		
	Prepare and apply three coats gloss oil paint				
	on:-				
Е	General surfaces of metal	1	Sm		
	Total for steel structure carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.4			1	
	ROOFING				
	ROOFING CONSTRUCTION				
	(PROVISIONAL)				
	STEEL TRUSSES				
	The following in trusses welded and bolted in				
	accordance with the fabricators shop				
	drawings to the Engineers approval				
Α	50x50x4mm SHS rafters	30	Lm		
В	Ditto joists	20	Lm		
С	Ditto ties and struts	42	Lm		
	<u>Fittings</u>				
D	150 x 150 x 10mm gusset plate with 4No.	0	No		
	holes to receive bolts				
E	12mm diameter 50mm long bolts headnuts	0	No		
	and washers				
	D 11				
_	Purlins 50 v 50 v 4 v 2 Think SUS mading including	5.4	T		
F	50 x 50 x 4mm Thick SHS purlins including	54	Lm		
	cleat angles				
G	30mm Diameter anti-sag rods	0	Lm		
	Somm Diameter and sag roas		Lin		
н	IT5 26gauge resincot prepainted galvanised	42	Sm		
	corrugated crimpled ironsheets to various				
	radii fixed with and including U-shaped bolt				
	cups and washers on steel purlins (m.s).				
ı	Ditto at gable ends	6	Sm		
	<u>Painting</u>				
	Prepare and apply one coat lead oxide primer on:-				
J	General surfaces of metal	30	sm		
	Prepare and apply three coats gloss oil paint on:-				
K	General surfaces of metal	30	sm		
	Total for Roofing carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.5	1			
	BRACINGS TO WALL AND ROOF				
	The following in vertical and horizontal				
	bracings to Structural Engineer's details				
Α	50x50x3mm SHS angle	0	Lm		
	Painting				
	Prepare and apply one coat lead oxide primer				
	on:				
В	General surfaces of metal	11	Sm		
В	General surfaces of metal	11	Sili		
	Prepare and apply three coats gloss oil paint				
	on:-				
С	General surfaces of metal	11	Sm		
			1		
	Total for bracings carried to grand summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ELEMENT NO.6				
	STEEL BENCHES				
A	Supply materials and fabricate fixed steel				
	benches to Archrect's details and to	1	Item		
	Engineer's approval				
	Total for steel benches carried to grand summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>SUMMARY</u>				
A	SUBSTRUCTURES FROM PAGE CS/3				0
В	STEEL STRUCTURE FROM PAGE CS/4				
C	ROOFING FROM PAGE CS/5				
D	BRACINGS FROM PAGE CS/6				
E	STEEL BENCHES FROM PAGE CS/7				
	Total for Shade carried to grand summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	TANKS AND FIRE EXTINGUISHERS Tanks & Bases				
A	Provide all materials and construct Tank Bases comprising the following: 3000mm diameter base including all excavations in rock and disposals, hardcore, blinding, treatment, DPM, 150mm thick vibrated reinforced concrete slab with a broom finish, reinforced with BRC A142 mesh, walls in 200mm thick natural stone to detail provided and approval of the project manager.	2	NO		
В	Supply and install a 5000 litres PVC water tank including all connections to approval	2	NO		
	PORTABLE FIRE FIGHTING EQUIPMENT				
С	9KG DP Fire Extinguisher	2	NO		
D	5KG CO2 Fire Extinguisher	1	NO		
	Total carried to grand summary				

ITEM	DESCRIPTION					
A	Particular & General preliminaries					
В	Holding Yard from HY/6					
С	Veterinary Office Block from VO/11					
D	Stalls from ST/46					
Е	Shade from CS/8					
	SUB Total 1 NO LIVESTOCK SALE YARDS					
Total 3	Total 3 NO LIVESTOCK SALE YARDS carried to form of tender					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	ELEMENT NO. 1				
	SUBSTRUCTURES				
	Site clearance Clearing site of all bushes, shrubs, undergrowth and the				
А	Clearing site of all bushes, shrubs, undergrowth and the like; small trees not exceeding 600mm girth; disposing arisings	SM	58		
В	Excavations Excavating oversite to remove top vegetable soil average 250mm deep; disposing on site	SM	58		
С	Excavating trenches in normal soil to receive foundations not exceeding 1.50m deep starting from reduced level	CM	45		
D	Excavate for column bases not exceeding 1500 mm deep commencing from reduced level	СМ	13		
E	Plank and strut to uphold sides of excavations: keep excavations free from all fallen material	Item			
F	Keep excavations free from ground and surface water	Item			
G	Load and cart away surplus excavated material from site	CM	13		
н	Return, fill and ram excavated material around foundations	СМ	45		
ı	Hardcore filling 300mm thick natural stone hardcore or other approved inert material: well watered and compacted in 150 mm thick (maximum) layers	SM	49		
	Hardcore blinding				
J	50 mm Thick approved quality murram blinding to surfaces of hardcore	SM	49		
	Polythene underlay				
К	Gauge 1000 polythene underlay laid on hardcore blinding	SM	49		
	Antitermite treatment				
L	"Termidor" anti-termite chemical treatment: applied by Insecta ltd. or other approved professional pest control specialist: applied strictly in accordance with the manufacturer's instructions: 10 year guarantee	SM	49		
		Car	ried to c	ollection	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	50 mm thick mass concrete (1:4:8) in:-				
А	Blinding under strip foundation	SM	24		
В	Ditto under column bases	SM	9		
	Insitu reinforced concrete class 20/20: vibrated: in				
С	Strip foundation	СМ	3		
D	Ditto in column bases	СМ	3		
E	Ditto in columns	CM	1		
F	Ditto but 100 mm thick floor slab	SM	58		
	Sawn formwork to:-				
G	Sides: strip foundation	SM	31		
Н	Sides: Column bases	SM	8		
1	Sides: Columns	SM	9		
J	Edges: slabs over 75 but not exceeding 150 mm girth	LM	31		
	Reinforcement				
	High tensile square twisted steel bars to B.S. 4441				
K	Assorted Bars	Kg	269		
	Mesh fabric reinforcement ref. A-142 to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett - allow for laps). Fabric ref. A-142 weighing 2.22kg/ sq.metre,in surface bed.	SM	58		

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	Approved natural stonework; roughly squared; bedded in cement mortar (1:4); 25 mm wide x 20 Gauge hoop iron strapping every alternate course				
А	150mm thick foundation walls	SM	36		
		Cai	ried to co	ollection	
	<u>Collection</u>				
	From page W/1				
	From page W/2				
	From Above				
TOTAL	FOR SUBSTRUCTURES CARRIED TO SUMMARY				

ELEMENT No. 2 REINFORCED CONCRETE WORKS Insitu reinforced concrete class 20/20: vibrated: in A Ring beams CM 2 B Columns CM 2 C 150 mm supended slab SM 58 Reinforcement (Provisional) High tensile, square twisted bar reinforcement to BS 4461 D Assorted Bars Kgs. 631	
Insitu reinforced concrete class 20/20: vibrated: in A Ring beams CM 2 B Columns CM 2 C 150 mm supended slab Reinforcement (Provisional) High tensile, square twisted bar reinforcement to BS 4461 D Assorted Bars Kgs. 631	
Insitu reinforced concrete class 20/20: vibrated: in A Ring beams CM 2 B Columns CM 2 C 150 mm supended slab Reinforcement (Provisional) High tensile, square twisted bar reinforcement to BS 4461 D Assorted Bars Kgs. 631	
A Ring beams CM 2 B Columns CM 2 CM 2 C 150 mm supended slab Reinforcement (Provisional) High tensile, square twisted bar reinforcement to BS 4461 D Assorted Bars Kgs. 631	
B Columns CM 2 C 150 mm supended slab SM 58 Reinforcement (Provisional) High tensile, square twisted bar reinforcement to BS 4461 D Assorted Bars Kgs. 631	
C 150 mm supended slab Reinforcement (Provisional) High tensile, square twisted bar reinforcement to BS 4461 D Assorted Bars Kgs. 631	
Reinforcement (Provisional) High tensile, square twisted bar reinforcement to BS 4461 D Assorted Bars Kgs. 631	
High tensile, square twisted bar reinforcement to BS 4461 D Assorted Bars Kgs. 631	
D Assorted Bars Kgs. 631	
Sawn formwork as described to:-	
E Sides and soffites of beams SM 25	
F Sides: Columns SM 22	
G Soffits of suspended slab SM 58	
TOTAL FOR REINFORCED CONCRETE WORKS CARRIED TO SUMMARY	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	ELEMENT No. 3				, ,
	EXTERNAL WALLS				
	Ndarugu machine dressed stone walling or equal jointed				
	and bedded in cement and sand mortar (1:4) as described in:-				
Α	150mm thick walls with and including 25x3mm thick hoop iron strips every alternate course.	SM	100		
	<u>Dump proof course</u>				
	200mm wide "Pluvex" or other equal and approved				
В	dumproof course laid and bedded in and including cement and sand mortar (1:4)	LM	30		
	TOTAL FOR EXTERNAL WALLS CARRIED TO SUMMARY				

ITEM	DESCRIPTION DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	ELEMENT No. 4				
	INTERNAL WALLS				
	Ndarugu machine dressed stone walling or equal jointed and bedded in cement and sand mortar (1:4) as described				
	in:-				
А	Ditto: 100 mm thick	SM	92		
	<u>Dump proof course</u>				
В	200mm wide "Pluvex" or other equal and approved dumproof course laid and bedded in and including cement and sand mortar (1:4)	LM	32		
	TOTAL FOR INTERNAL WALLS CARRIED TO SUMMARY				

ITEM	DESCRIPTION DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	ELEWENT NO. 5: KOUF AND KAINWATEK DICEOCAT				
	ROOF FINISHES				
	Masterseal waterproofing application				
A	Applied to roof slabs	SM	58		
В	Ditto to skirting 300mm high	LM	30		
C	Dress membrane round 100 mm rainwater outlet	No.	1		
	Lightweight water proofed screeds				
D	50mm average screed laid to falls and crossfalls to roof slabs	SM	58		
Е	Ditto to skirting 300mm high	LM	30		
	"Key terrain" or other equal and approved UPVC rainwater pipes and fittings				
F	100mm diameter downpipe encased in concrete / ducting (m.s.)	LM	3		
G	100mm shoe	No.	1		
Н	100mm diameter dome headed fulbora roof outlet and connecting to 75mm downpipe	No.	1		
	Total Carried To Summary				

ITEM	DESCRIPTION DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	ELEMENT NO. 6				
	<u>WINDOWS</u>				
	<u>Casements</u>				
	Steel casement windows purpose made primed steel complete in opening and fixed lights complete with fasteners and stays ;steel lugs built into stone work and complete with burglar proofing in 15 mm diamond patten solid bars to architects approval.				
А	Window size 1200 x 1500 mm high	No.	1		
В	Ditto 900 x 900 mm	No.	8		
С	Ditto 900 x 1500 mm	No.	2		
	Glazing				
D	4 mm thick clear sheet glass and glazing to metal with metallic putty in different panes	SM	2		
E	Ditto obscure glass	SM	4		
	Painting				
F	Prepare and apply three coats of gloss oil paint to metal surfaces of windows externally	SM	9		
G	Ditto internally	SM	9		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
					-
	ELEMENT No. 7				
	EXTERNAL DOORS				
	Supply, assemble and fix the following purpose made				
	welded steel casement doors complete with all necessary				
	ironmongery, handles, lever or finger pulls and pins: and				
١,	building lugs to jambs and reveals, bedding frames in				
Α	waterproof cement mortar, including priming with one coat of red oxide primer, including all necessary coupling				
	mullions, transomes and clear glazed fanlight over and				
	jointing in approved mastic externally and afterward easing				
	and oiling and adjusting opening lights on completion				
	Single loof door overall size 000 v 2400 mm high				
	Single leaf door overall size, 900 x 2400 mm high comprising 60 x 38 mm top and bottom rails, divided by 1				
	No. transome into: top fanlight size 900 x 300 mm high				
В	further divided by 2 No. mullions into panels size 750 x 300	NO	2		
	mm high; whole door glazed with and including 6 mm thick				
	toughened sheet glass				
	Glazing				
С	6mm Thick clear sheet glass and glazing to metal in panes	SM	2		-
	exceeding 0.10sm but not exceeding 0.5sm				
	Prepare surfaces and apply one undercoat and two				
	finishing coats of gloss oil paint on:				
_					
D	General glazed metal surfaces	SM	9		-
	TOTAL FOR EXTERNAL DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	ELEMENT No. 8				
	INTERNAL DOORS				
	Solid Cored flush door: mahogany lipped edges: mahogany				
	veneered both sides				
А	45mm thick door overall size 820 x 2060 mm high .	No.	3		
В	Ditto size 720 x 2060 mm high .	No.	10		
	Prime grade wrot mahogany				
С	200 x 50 mm Door frame: rebated: plugged	LM	50		
D	200 x 50 mm Transome; twice rebated	LM	9		
E	40 x 20 mm Architrave: splayed	LM	50		
F	15 mm Quadrant	LM	50		
	Ironmongery				
G	150mm brass butt hinges	Prs	15		
н	Two lever mortice lock set complete with handle furniture	No.	10		
1	Dowels	No.	20		
J	Fixing lugs	No.	30		
К	38mm rubber door stops as described	No.	13		
	Glazing				
L	5 mm thick clear sheet glass and glazing to timber with glazing beads (m.s.)	SM	2		
	<u>Painting</u>				
М	Prepare and apply three coats of clear varnish to timber surfaces	SM	34		
N	Ditto 100 - 200mm girth	LM	50		
0	Ditto but not exceeding 100mm girth	LM	100		
	TOTAL FOR INTERNAL DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	ELEMENT NO. 9 - WALL FINISHES				
	<u>EXTERNAL</u>				
	Key pointing				
А	Extra over walling for horizontal recessed and flush vertical key pointed joints in cement and sand (1:4) mortar.	SM	90		
	Wood float render				
В	19mm thick cement and sand 1:4 render to walls & concrete surfaces	SM	10		
	<u>Paintwork</u>				
С	Prepare and apply three coats plastic emulsion paint to rendered surfaces.	SM	10		
	75 mm thick weathered & throated saddled-back copping				
D	For 200 mm thick walls	LM	30		
	INTERNAL				
	Gauged plaster 1:1:9 as described to:				
E	Walls and concrete surfaces internally	SM	100		
	Cement and sand 1:4 as described to:				
F	10mm thick backing to receive wall tiles (ms)	SM	92		
	Coloured and glazed ceramic wall tiles				
G	150x150x6mm thick wall tiles as SAJ or other equal and approved complete with cement grouting to joints to match.	SM	92		
	<u>Paintwork</u>				
н	Prepare and apply three coats plastic emulsion paint to plastered surfaces.	SM	100		
TOTAL	FOR WALL FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	ELEMENT No. 10				
	FLOOR FINISHES				
	Woodfloat cement and sand screed (1:4) in:				
А	32 mm to receive ceramic tiles	SM	58		
	Ceramic floor tiles				
В	8 mm thick non slip floor tiles as SAJ or other equal and approved fixed with and including cement slurry	SM	58		
С	100 x 20 mm thick skirting	LM	42		
	CEILING FINISHES				
	Lime plaster 1:1:6 as described in:-				
D	12mm thick plaster to soffits of horizontal slabs	SM	58		
E	Paintworks Prepare and apply one undercoat and two finishing coats of plastic emulsion paint to plastered surfaces	SM	58		
TOTAL	FOR FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	<u>SUMMARY</u>				
1	SUBSTRUCTURES				
2	REINFORCED CONCRETE WORKS				
3	EXTERNAL WALLS				
4	INTERNAL WALLS				
5	ROOFING				
6	WINDOWS				
7	EXTERNAL DOORS				
8	INTERNAL DOORS				
9	WALL FINISHES				
10	FLOOR AND CEILING FINISHES				
11	ALLOW A PC SUM FOR ELECTRICAL ENGINEERING SERVICES				100,000.00
12	ALLOW A PC SUM FOR MECHANICAL ENGINEERING				200,000.00
13	SERVICES ALLOW A PC SUM FOR SANITARY FITTINGS				200,000.00
	SUB-TOTAL - 1 BLOCK	NO	1		
	TOTAL - 2 NO MODERN WASHROOMS	NO	2		

GRAND SUMMARY OF BILLS OF QUANTITIES STRATEGIC INTEGRATED WARD DEVELOPMENT PROGRAMME FOR NAROK COUNTY

PROPOSED CONSTRUCTION OF THE LIVESTOCK SALE YARD AND MODERN TOILETS (LOT 38) TENDER NO: NCG/OT/043/2022-2023

BILL NO.	DESCRIPTION	AMOUNT (Kshs)
1	PARTICULAR PRELIMINARIES	
2	GENERAL PRELIMINARIES	
3	PROPOSED 3 NO LIVESTOCK SALE YARD	
4	PROPOSED 2 NO MODERN TOILETS	
A	SUB TOTAL (A)	
В	Add 2.5% of subtotal of bills for contigencies to be expended in whole ' or in part as directed by the Project Manager ((A) x 0.025).	
C	Add 16% VAT = (SUB TOTAL A) X 16%).	
TOTAL ((SUB TOTAL A + B(Contingencies) + C (16% V.A.T) GRAND SUMMARY CARRED TO THE FORM OF TENDER KSH	