



**NAROK COUNTY GOVERNMENT
RESERVED FOR PWD**

**STRATEGIC INTEGRATED WARD DEVELOPMENT PROGRAMME
FOR NAROK COUNTY.**

**PROPOSED CONSTRUCTION OF PERIMETER WALL AND
EXTERNAL WORKS TO SLAUGHTER HOUSE (LOT 36)**

TENDER NO: NCG/OT/041/2022-2023

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.**

Lot 36: Comprise of the following-.

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

**BILLS OF QUANTITIES FOR: PROPOSED
CONSTRUCTION OF PERIMETER WALL
AND EXTERNAL WORKS TO SLAUGHTER
HOUSE (LOT 36)**

TENDER NO: NCG/OT/041/2022-2023

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	AMOUNT
<p>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.</p> <p>DESCRIPTION OF THE WORKS The works consist of Ward based development projects as stated in the introduction.</p> <p>SCOPE OF WORKS The works to be carried out under this contract comprises builder's work and associated civil works</p> <p>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..</p> <p>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.</p> <p>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</p> <p>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 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.</p> <p>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.</p>	
Carried to collection	

DESCRIPTION	AMOUNT
<p>SIGNBOARD Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.</p> <p>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.</p> <p>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 shall be entertained upon the expiry of the said contract period.</p> <p>MATERIALS FROM DEMOLITIONS Any materials arising from demolitions and not re-used shall become the property of the Narok County Government.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	
Carried to collection	

DESCRIPTION	AMOUNT
<p>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.</p>	
<p>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.</p>	
<p>TENDER DOCUMENTS Tender documents are as listed in Clause 11 of the preparation of tenders Page 5</p>	
<p>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.</p>	
<p>VALUE ADDED TAX <i>The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. The tenderer is advised to include his tax in the grand summary page as indicated.</i></p>	
<p><u>SPECIAL PRELIMINARIES</u></p>	
<p>Allow a Prime Sum of Ksh. 200,000 for Project Supervision and Material Testing expenses</p>	200,000
<p>Allow a Prime Sum of Ksh.200,000 for environmental protection , social impact mitigation measures ,Instituting a Covid 19 & HIV/AIDS awareness/Preventive Campaigns,</p>	200,000
<p>Allow a prime sum of Ksh 50,000 for plant,water and tender seedlings until firms established as directed by the Project Manager</p>	50,000
<p>Carried to collection</p>	

DESCRIPTION	AMOUNT
<u>Collection</u> <i>Brought forward from P.P/1</i> <i>Brought forward from P.P/2</i> <i>Brought forward from P.P/3</i>	
TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO THE MAIN SUMMARY	

ITEM	DESCRIPTION	AMOUNT
	<p style="text-align: center;">GENERAL PRELIMINARIES</p> <p>A PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</p> <p>Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.</p> <p>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.</p> <p>B ABBREVIATIONS</p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p>C.M. Shall mean cubic metre</p> <p>S.M. Shall mean square metre</p> <p>L.M. Shall mean linear metre</p> <p>MM Shall mean Millimetre</p> <p>Kg. Shall mean Kilogramme</p> <p>No. Shall mean Number</p> <p>Prs. Shall mean Pairs</p> <p>B.S. Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England.</p> <p>Ditto Shall mean the whole of the preceding description except as qualified in the description in which it occurs.</p> <p>m.s. Shall mean measured separately.</p> <p>a.b.d Shall mean as before described.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
A.	<p>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</p> <p><i>Attendance</i> ; 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.</p> <p><i>Fix Only:-</i></p> <p>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.</p>	
B	<p>EMPLOYER</p> <p>The term "Employer" and "Narok County Government" wherever used in the contract document shall be synonymous</p>	
C	<p>PROJECT MANAGER</p> <p>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</p>	
D	<p>ARCHITECT</p> <p>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</p>	
E	<p>QUANTITY SURVEYOR</p> <p>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.</p>	
F	<p>ELECTRICAL ENGINEER</p> <p>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.</p>	
G	<p>MECHANICAL ENGINEER</p> <p>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.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
A	<p>STRUCTURAL ENGINEER Engineer." whose address unless otherwise notified is Department of Public works -Narok County P.O. Box 898-20500, NAROK.</p>	
B	<p>FORM OF CONTRACT The Form of Contract shall be as stipulated in the Conditions of Contract The Conditions of Contract are also included herein</p> <p>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</p>	
C	<p>OCCUPATIONAL HEALTH AND SAFETY</p> <p>Allow a Sum for Occupational health and safety measures.</p>	
D	<p>PLANT, TOOLS AND VEHICLES</p> <p>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.</p>	
E	<p>TRANSPORT.</p> <p>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.</p>	
F	<p>MATERIALS AND WORKMANSHIP.</p> <p>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.</p>	
G	<p>SIGN FOR MATERIALS SUPPLIED.</p> <p>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</p>	
H	<p>STORAGE OF MATERIALS</p> <p>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.</p>	
	Carried to collection	

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

PROPOSED ABOLUTION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 1				
	SUBSTRUCTURES				
A	Clear site of all grass and cart away or burn arisings.	20	SM		
B	Excavate oversite to remove top vegetable soil average 250mm deep and spread as directed on site.	20	SM		
D	Excavate for foundation strip footing in normal soil not exceeding 1.5m deep from reduced level	6	CM		
E	Ditto; but pit starting from reduced level	8	CM		
F	Ditto; depth over 1.5m but n.e 3.0m	8	CM		
G	Ditto; depth over 3.0m but n.e 4.5m	8	CM		
H	Ditto; depth over 4.5m but n.e 6.0m	8	CM		
J	Ditto; depth over 6.0m but n.e 7.5m	8	CM		
K	Ditto; depth over 7.5m but n.e 9.0m	8	CM		
L	Ditto; depth over 9.0m but n.e 10.5m	8	CM		
M	Extra over excavation of rock class 1	6	CM		
N	Return fill and ram selected excavated material around foundations.	12	CM		
P	Load, wheel and cart away from site surplus excavated material and deposit in approved dumping area.	36	CM		
Q	Allow for keeping excavations free from all water by pumping or otherwise.		ITEM		
R	Ditto; for plunking and strutting to sides of excavations.		ITEM		
	Total Carried to Collection				

PROPOSED ABOLUTION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Concrete Works</u>				
	50 mm plain concrete (1:3:6 - class 15/20mm) blinding under :				
A	Strip footing.	4	SM		
	Vibrated Reinforced Concrete mix (1:2:4) class 20/20mm in;				
B	Strip footing	3	SM		
C	150mm thick floor bed	15	SM		
D	Steel fabric mesh reinforcement type A142 weighing not less than 2.22Kg/M ² to BS 4483 with 150 mm side laps (measured net - no allowance for laps)	30	SM		
	High Tensile square twisted bars to BS 4461 including bends, hooks and tying wire				
E	D 10 bars	50	KG		
	<u>Sawn formwork to :</u>				
F	Sides of strip footing	20	LM		
G	Soffits of ground floor slab	3	SM		
	<u>MASONRY.</u>				
H	200 mm thick building stones bedded and jointed in cement sand (1:3) mortar; reinforced with hoop iron at alternate courses	30	SM		
	<u>Hessian based Bituminous Damp Proof Course bedded and jointed in cement sand mortar 1:3.</u>				
A	200 mm wide.	20	LM		
	<u>SURFACE TREATMENT</u>				
B	"Dragnet" or other equal and approved antifermite insecticide treatment to blinded hardcore surfaces applied in accordance with manufacturer's instructions.	15	SM		
C	1000 gauge polythene sheeting laid under concrete floor bed.	15	SM		
	Cement sand (1:4) screed backing:-				
D	12mm thick to plinth surfaces wood floated	3	SM		
E	Prepare and apply three coats of bitumastic paint to rendered surfaces.	3	SM		
	Total to Collection Below				
	<u>Collection</u>				
	Brought forward from BW/1				
	Brought forward from BW/ 2				
	Brought forward from above				
	Total Element 1 to Summary				

PROPOSED ABOLUTION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	QTY	UNIT	RATE
<u>ELEMENT 02 RC SUPERSTRUCTURE</u>				
Vibrated Reinforced Concrete mix (1:2:4) class 20/20mm in;				
A	300 MM X 200 MM Ring beams	1.5	CM	
B	200 MM X 200 MM Columns	1	CM	
C	150 MM thick suspended slab	15	SM	
High Tensile square twisted bars to BS 4461 including				
D	D 8 bars	75	KG	
E	D 10 bars	125	KG	
F	D12 bars	125	KG	
<u>Sawn formwork to :</u>				
E	Sides,edges,soffites of ringbeam,columns,suspended slab	15	SM	
Total Element 2 to Summary				

PROPOSED ABOLUTION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	QTY	UNIT	RATE	
A	<p><u>ELEMENT 03 WALLING</u></p> <p>Building stones bedded and jointed in cement and sand mortar mix 1:4 reinforced with 25x2mm hoop iron every alternate course</p> <p>150 mm thick;</p>	46	SM		
	Total Element 3 to Summary				

PROPOSED ABOLUTION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	QTY	UNIT	RATE	
<u>ELEMENT NO. 1 WATER TANK 1 No 5,000 LITRE & FITTINGS</u>	All sanitary appliances shall be provided as complete units with all fittings and fixtures				
A	5,000 litre 1 no water tank including intallation and connection	1	NO		
	Wash hand basin				
B	Wall hang wash hand basin with normal size 560 mm X 450 mm with one centre tabhole and complete with wall hang brackets, chrome plated pillar taps as cobra tab and handle as equal and approved ,1 1/4 chrome plated beaded chain waste and 1 1/4 white plastic bottle p trap all as twyford's vitreous china classic 560 washbasin or equal and approved	2	NO		
Total Element 4 to Summary					

PROPOSED ABOLUTION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	QTY	UNIT	RATE
	ELEMENT 05			
	DOORS.			
	45 mm thick HARDWOOD T-door			
A	Size 900x2100mm high braced styled battened complete set ditto	5	NO	
	The following in wrot hardwood.			
B	150x50mm ditto	22	LM	
C	80 x 25 mm architrave with one labour	22	LM	
D	25mm quadrant.	22	LM	
	Ironmongery.			
	Supply and fix the following Ironmongery as "Union" or other equal and approved to wood with matching screws.			
E	Welder's door handle and lock latches	5	NO	
F	100 mm stainless steel bearing butt hinges.	10	Prs	
G	Barrel bolt	10	NO	
	Sundries			
H	10mm galvanised mild steel dowel 100mm long let into foot of frame and grouted into mortice in floor	20	NO	
J	25x1.6mm galvanised mild steel cramp 250mm girth once bent twice drilled and screwed to back of frame and other end fish tailed end built into joints of walling.	24	NO	
	Total Element 5 to Summary			

PROPOSED ABOLUTION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	QTY	UNIT	RATE
	ELEMENT 06			
	EXTERNAL FINISHES			
	WALL			
A	Horizontal key pointing in cement sand (1:4) mortar	30	SM	
B	100mm diameter pipe vent pipe	3	LM	
	Cement and sand (1:4) rendering			
C	15mm thick plaster to columns	6	SM	
D	15mm thick tyrolean render to beams	2	SM	
	Total Element 6 to Summary			

PROPOSED ABOLUTION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 07</u>				
	<u>INTERNAL FINISHES</u>				
	<u>FLOOR</u>				
	ceramic floor tiles				
A	200 x 200 x 8 mm thick non slip ceramic glazed floor tiles fixed with an approved adhesive including prepared screed	25	SM		
	<u>WALL FINISHES</u>				
	Lime plaster; 20mm thick (1:2:9)				
B	Plaster to walls	65	SM		
	ceramic wall tiles				
C	200 x 200 x 8 mm thick non slip ceramic glazed wall tiles fixed with an approved adhesive including prepared screed	120	SM		
Total Element 7 to Summary					

PROPOSED ABOLUTION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 8</u>				
	<u>PAINTING & DECORATING</u>				
	Prepare prime and apply one undercoat and two finishing coats of 1st quality supergloss paint to:-				
	<u>DOORS</u>				
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to:-				
A	General surfaces of doors	21	SM		
	Total Element 8 to Summary				

PROPOSED ABOLITION BLOCKS (3 DOOR FEMALE 2 DOOR MALE URINAL EACH)

ITEM	DESCRIPTION	AMOUNT
	<u>SUMMARY</u>	
1	Substructures	
2	RC Superstructure	
3	Walling	
4	5,000 Litres water Tank and fittings	
5	Doors	
6	External Finishes	
7	Internal Finishes	
8	Painting and Decorating	
TOTAL FOR 1 NO EXTERNAL TOILETS (3 DOOR FEMALE & 2 DOOR MALE)		

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.00	FENCING & GATE				
	PERIMETER WALL (All Provisional)				
	Excavation including maintaining, supporting and keeping free				
A	For foundation walls commencing from ground level, not exceeding 1.5 metres	CM	288		
B	For column bases	CM	362		
	Disposal				
C	Backfilling around foundations	CM	116.0		
D	Load and Cart away surplus soil	CM	250		
	Plain Concrete 1:4:8				
E	50mm blinding under foundation and bases	SM	154		
	Vibrated Reinforced Concrete class 20				
F	Foundations and bases	CM	36		
G	Columns	CM	20		
	High Yield Deformed Steel Bar Reinforcement to B.S 4461				
H	12 mm Diameter bar	KG	2500		
I	Ditto 10mm	KG	1012		
J	Ditto 8mm	KG	812		
	FORMWORK				
K	Sides of Foundation and bases	SM	150		
L	Sides of columns	SM	150		
	<i>Carried to Collection</i>				
	Load Bearing Foundation Stone walling in Cement Mortar				

A	200 mm walling in foundations	SM	576		
B	200mm wide dpc laid and bedded in and including cement sand mortar (1:4)	LM	384		
C	Machine Cut Stone Walling in cement mortar with hoop iron in 200 mm thick walling	SM	768		
	Key pointing				
D	Extra over walling for horizontal recessed and flush vertical key	SM	1536		
	Sundries				
E	20 gauge hoop iron ties 25mm wide and 450mm girth cast into	NO	400		
	Precast concrete trimmings finished fair on all exposed surfaces				
F	Capping with two labours size, 250 x 250 x 75mm	NO	80		
G	For 200 mm thick walls	LM	384		
	Mild Steel gates				
H	Mild steel gate in two equal leaves each leaf comprising 4mm	NO	1		
I	Ditto but for pedestrian gate size 1500 x 2100 mm	NO	1		
	Carried to Collection				
	SUMMARY				
1	Page 1				
2	Above				
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.00	FENCING & GATE				
	PERIMETER WALL (All Provisional)				
	Excavation including maintaining, supporting and keeping free				
A	For foundation walls commencing from ground level, not exceeding 1.5 metres	CM	288		
B	For column bases	CM	362		
	Disposal				
C	Backfilling around foundations	CM	116.0		
D	Load and Cart away surplus soil	CM	250		
	Plain Concrete 1:4:8				
E	50mm blinding under foundation and bases	SM	154		
	Vibrated Reinforced Concrete class 20				
F	Foundations and bases	CM	36		
G	Columns	CM	20		
	High Yield Deformed Steel Bar Reinforcement to B.S 4461				
H	12 mm Diameter bar	KG	2500		
I	Ditto 10mm	KG	1012		
J	Ditto 8mm	KG	812		
	FORMWORK				
K	Sides of Foundation and bases	SM	150		
L	Sides of columns	SM	150		
	<i>Carried to Collection</i>				
	Load Bearing Foundation Stone walling in Cement Mortar				

A	200 mm walling in foundations	SM	576		
B	200mm wide dpc laid and bedded in and including cement sand mortar (1:4)	LM	384		
C	Machine Cut Stone Walling in cement mortar with hoop iron in 200 mm thick walling	SM	768		
	Key pointing				
D	Extra over walling for horizontal recessed and flush vertical key	SM	1536		
	Sundries				
E	20 gauge hoop iron ties 25mm wide and 450mm girth cast into	NO	400		
	Precast concrete trimmings finished fair on all exposed surfaces				
F	Capping with two labours size, 250 x 250 x 75mm	NO	80		
G	For 200 mm thick walls	LM	384		
	Mild Steel gates				
H	Mild steel gate in two equal leaves each leaf comprising 4mm	NO	1		
I	Ditto but for pedestrian gate size 1500 x 2100 mm	NO	1		
	Carried to Collection				
	SUMMARY				
1	Page 1				
2	Above				
	TOTAL CARRIED TO SUMMARY				

LOLULUNGA SLAUGHTER HOUSE - LAGOONS

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	General Clearance				
1	General clearance of rough grassland, open bush, thickets and trees of girth not exceeding 2m including removal from site or reuse for fencing.	m ₂	2,500		
	Earthworks				
2	General excavation for disposal in top soil material maximum depth: not exceeding 300mm	m ₃	85		
3	General excavation for disposal for Facultative pond for material other than topsoil, depth exceeding 2m	m ₃	512		
4	General excavation for disposal for Facultative pond for material other than top soil, depth not exceeding 2m	m ₃	2,013		
	Embankment Liner				
5	Supply and install a HDPE dam liner as per the specifications	m ₂	800		
	PIPEWORK				
	PRECAST CONCRETE PIPES TO BS 5911 WITH SPIGOT AND SOCKET FLEXIBLE JOINTS				
	The rates entered against the items for this section shall include for stripping top soil, laying aside and subsequently replacing over filled trench, excavation in trench in material other than rock, shuttering where necessary, refilling and compacting, spreading surplus soil evenly over and alongside pipe trench compacting, supply lay and joint pipe to correct line and level. Depths are stated from ground level to invert				
	Nominal bore 300mm in trenches				
6	Depth: n.e. 2.5 m	m	80.00		
	CLASS K: PIPEWORK - MANHOLES AND PIPEWORK ANCILLARIES.				
	Excavation quantities are given net. The rates entered are to include for manhole concrete slabs and covers, step irons or ladder, excavation, working room, trimming the base of the excavation, shuttering, where necessary, refilling and compacting around the finished manholes, and disposing of surplus spoil local to the trench. Surplus spoil is to be evenly spread.				
	Manhole Type A, size 1200mm with reinforced concrete cover as per drawings				
7	Depth n.e. 2m	nr	4.00		
	SCREENS AND GRIT CHAMBER				
	Excavation for Foundations				
8	Top soil, maximum depth n.e. 0.3m.	m ₃	5.04		
9	Material other than topsoil, rock, or artificial hard material; depth 0.31-2m.	m ₃	5.04		
10	Supply and fix complete platform composite grate with open grid flooring made of 5mm plastic grating as per drawings	m ₂	25.00		
11	Supply and fix a SS304 grade Stainless Steel coarse screens (20mm clear spacing between bars) as detailed in the drawings. Allow for purchase and installation of curved perforated collector tray and rake as per drawings	m ₂	10.00		

N190.2	Supply and fix a SS304 grade Stainless Steel fine screen (6mm clear spacing between bars) . Allow for purchase and installation of curved perforated collector tray and rake as per drawings	m ₂	7.00		
	CLASS F: IN SITU CONCRETE				
	Provision and placing of Concrete				
	Provide materials and place concrete to the specified class; cement to BS 12 or BS 146				
	Provide and place, vibrate and cure concrete in the following elements of the structure as specified or directed by the Engineer in flume structure ,manholes and approach channels				
F511	Mass concrete grade 15/20; blinding, thickness not exceeding 150mm.	m ₃	0.25		
F622	Reinforced concrete grade 25/20; Bases, thickness 200mm	m ₃	0.41		
F642.2	Reinforced concrete grade 25/20 in walls and chambers ; Wall thickness n.e 200mm	m ₃	3.53		
	PAGE TOTAL CARRIED TO COLLECTION				

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

**PROPOSED CONSTRUCTION OF PERIMETER WALL AND
EXTERNAL WORKS TOSLAUGHTER HOUSE LOT 36 (LOT 36)**
TENDER NO: NCG/OT/041/2022-2023

BILL NO.	DESCRIPTION	AMOUNT (Kshs)
1	PARTICULAR PRELIMINARIES	
2	GENERAL PRELIMINARIES	
3	PROPOSED CONSTRUCTION OF PERIMETER WALL	
4	PROPOSED CONSTRUCTION OF EXTERNAL TOILETS	
5	PROPOSED CONSTRUCTION OF LAGOONS	
A	SUB TOTAL (A)	
B	Add 2.5% of subtotal of bills for contingencies 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%.	
	(SUB TOTAL A + B(Contingencies) + C (16% V.A.T)	
TOTAL GRAND SUMMARY CARRED TO THE FORM OF TENDER KSH		