

REPUBLIC OF KENYA



**NAROK EAST NATIONAL GOVERNMENT
CONSTITUENCY DEVELOPMENT FUND**

**BILLS OF QUANTITIES FOR PROPOSED
CONSTRUCTION SCIENCE LABORATORY BLOCK**

AT

ENARIBOO SECONDARY SCHOOL

TENDER DOCUMENT

FINANCIER: NAROK EAST NG-CDF FY 2024/2025

TENDER NO...NE/NG-CDF/05/2024/2025

ISSUED BY:

REGIONAL WORKS OFFICE
STATE DEPARTMENT FOR PUBLIC WORKS
P.O. BOX 660,
NAKURU

APRIL, 2025

INSTRUCTION TO BIDDERS

1. COST OF ITEMS OF PRELIMINARIES.

The Tenderer shall be deemed to have included in his rates for the various items in the measured bills of quantities for all costs involved in complying with the requirements of preliminaries for the proper execution of the works in the contract.

2. ELEGIBLE BIDDERS

The bidder must meet the following requirements.

ITEM	MANDATORY REQUIREMENT (MR) – MAIN CONTRACTOR
MR1	Certificate of Incorporation / Registration from the Registrar of Companies / Businesses;
MR2	A copy of company's list of directors, beneficial owners, name if proprietor or names of partners (copy of CR 12) for the bidder not more than one year old
MR3	Current Category of Registration with National Construction Authority (NCA) in the relevant trade; NCA 8 and above
MR4	Contractor's Annual Practicing License from NCA for the current year
MR5	Valid Tax Compliance Certificates;
MR6	Dully filled Form of Disclosure
MR 7	Confidential business questionnaire
MR8	Dully Filled Self Declaration Form
MR9	Proof of Similar Works Previously done in the last two (2) years
MR10	Proof of Financial capacity 9(Audited accounts for last two (2) years
MR11	Form of Quotation Fully Filled & Signed
MR12	Business physical location proof/Business permit

3. SITE VISIT

The bidder is advised to visit and examine the site of work and obtain for himself all information necessary for construction works. The cost of visiting the site shall be at the bidders own expense.

4. BID VALIDITY.

The bid rates shall remain valid for a period of 150days after the date of opening.

5. FIRM PRICE CONTRACT.

This is a firm price contract and the contractor must allow in his tender for any increase in the cost of labour and materials within the contract period.

6. CLIENT'S RIGHT.

The client reserve the right to accept or reject any bid and to annual the bidding process and reject all bids any time prior to award of the contract without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidders of the grounds for the client's action.

9. We, along with any of our subcontractors, suppliers, Engineer, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to a temporary suspension or a debarment imposed by the Public Procurement Regulatory Authority or any other entity of the Government of Kenya, or any international organization.
10. We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption.
11. We hereby certify and confirm that the Quotation is genuine, non-collusive and made with the intention of accepting the contract if awarded. To this effect we have signed the "Certificate of Independent Quotation Determination" attached below.
12. We, the Tenderer, have completed fully and signed the **FORM FOR DISCLOSURE OF INTEREST**- interest of the firm in the Procuring Entity, attached below.

The Delivery/Completion period offered is: _____ days from date of acceptance of Quotation. The warranty period offered is _____ weeks.

Quotation Authorized by:

Name and designation _____ Signature: _____

i) SCHEDULE OF REQUIREMENTS TABLE

(Procuring Entity will complete the list of items to be same as those on Part 2 Table A. Schedule of Requirements and Technical Specifications and tenderer should complete columns D and E).

A Item	B Description of Goods/works/services (Procuring Entity to select one)	C Quantity	D Unit price	E Total Price in Ksh
1.	SEE ATTACHED BILL OF QUANTITIES			
2.				
3.				
4.				
5.				
TOTAL PRICE IN KSH.				

Signature: _____

And seal/Stamp

Name:

Position:

Authorized for and on behalf of (specify name of tenderer) _____

Date _____

ii) **TENDERER'S ELIGIBILITY - CONFIDENTIAL BUSINESS QUESTIONNAIRE**

Instruction to Tenderer

Tender is instructed to complete the particulars required in this Form, *one form for each entity if Tender is a JV*. Tenderer is further reminded that it is an offence to give false information on this Form.

(a) **Tenderer's details**

	ITEM	DESCRIPTION
1	Name of the Procuring Entity	
2	Reference Number of the Tender	
3	Date and Time of Tender Opening	
4	Name of the Tenderer	
5	Full Address and Contact Details of the Tenderer.	1. Country 2. City 3. Location 4. Building 5. Floor 6. Postal Address 7. Name and email of contact person.
6	Current Trade License Registration Number and Expiring date	
7	Name, country and full address (<i>postal and physical addresses, email, and telephone number</i>) of Registering Body/Agency	
8	Description of Nature of Business	
9	Maximum value of business which the Tenderer handles.	
10	State if Tenders Company is listed in stock exchange, give name and full address (<i>postal and physical addresses, email, and telephone number</i>) of state which stock exchange	

General and Specific Details

b) **Sole Proprietor**, provide the following details.

Name in full _____ Age _____ Nationality _____
 _____ Country of Origin _____ Citizenship _____

c) **Partnership**, provide the following details.

	Names of Partners	Nationality	Citizenship	% Shares owned
1				
2				
3				

d) **Registered Company**, provide the following details.

i) Private or public Company _____

ii) State the nominal and issued capital of the Company _____ Nominal
 Kenya Shillings (Equivalent)..... Issued Kenya Shillings
 (Equivalent).....

iii) Give details of Directors as follows.

	Names of Director	Nationality	Citizenship	% Shares owned
1				
2				
3				

iii) **FORM FOR DISCLOSURE OF INTEREST** - Interest of the Firm in the Procuring Entity.

i) Are there any person/persons in (Name of Procuring Entity) who has/have an interest or relationship in this firm? Yes/No.....

If yes, provide details as follows.

	Names of Person	Designation in the Procuring Entity	Interest or Relationship with Tenderer
1			
2			
3			

ii) Conflict of interest disclosure

		Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
1	Tenderer is directly or indirectly controls, is controlled by or is under common control with another tenderer.		
2	Tenderer receives or has received any direct or indirect subsidy from another tenderer.		
3	Tenderer has the same legal representative as another tenderer		
4	Quotation has a relationship with another tenderer, directly or through common third parties, that puts it in a position to influence the quotation of another tenderer, or influence the decisions of the Procuring Entity regarding this quotation process.		
5	Any of the Tenderer's affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the quotation.		
6	Tenderer would be providing goods, works, non-consulting services or consulting services during implementation of the contract specified in this Quotation Document.		
7	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who are directly or indirectly involved in the preparation of the Quotation document or specifications of the Contract, and/or the Quotation evaluation process of such contract.		
8	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who would be involved in the implementation or supervision of the such Contract.		
9	Has the conflict stemming from such relationship stated in item 7 and 8 above been resolved in a manner acceptable to the Procuring Entity throughout the quotation process and execution of the Contract.		

iii) Certification

On behalf of the Tenderer, I certify that the information given above is complete, current and accurate as at the date of submission.

Full Name _____

Title or Designation _____

(Signature)

_____)_____
(Date)

iv) CERTIFICATE OF INDEPENDENT QUOTATION DETERMINATION

I, the undersigned, in submitting the accompanying Letter of quotation to the _____
_____ *[Name of Procuring Entity]* for: _____
_____ *[Name and number of quotation]* in response to the request for
tenders made by: _____ *[Name of Tenderer]* do hereby make the following
statements that I certify to be true and complete in every respect:

I certify, on behalf of _____ *[Name of Tenderer]* that:

1. I have read and I understand the contents of this Certificate;
2. I understand that the Tenderer will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am the authorized representative of the Tenderer with authority to sign this Certificate, and to submit the quotation on behalf of the Tenderer;
4. For the purposes of this Certificate and the quotation, I understand that the word "competitor" shall include any individual or organization, other than the Tenderer, whether or not affiliated with the Tenderer, who:
 - a) has been requested to submit a quotation in response to this request for quotations;
 - b) could potentially submit a quotation in response to this request for quotations based on their qualifications, abilities or experience;
5. The Tenderer discloses that [check one of the following, as applicable]:
 - a) The Tenderer has arrived at the quotation independently from, and without consultation, communication, agreement or arrangement with, any competitor;
 - b) the Tenderer has entered into consultations, communications, agreements or arrangements with one or more competitors regarding this request for quotations, and the Tenderer discloses, in the attached document(s), complete details thereof, including the names of the competitors and the nature of, and reasons for, such consultations, communications, agreements or arrangements;
6. In particular, without limiting the generality of paragraphs (5)(a) or (5)(b) above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - a) prices;
 - b) methods, factors or formulas used to calculate prices;
 - c) the intention or decision to submit, or not to submit, a quotation; or
 - d) the submission of a quotation which does not meet the specifications of the request for quotations; except as specifically disclosed pursuant to paragraph (5) (b) above;
7. In addition, there has been no consultation, communication, agreement or arrangement with any competitor regarding the quality, quantity, specifications or delivery particulars of the works or services to which this request for tenders relates, except as specifically authorized by the procuring authority or as specifically disclosed pursuant to paragraph (5)(b) above;
8. the terms of the quotation have not been, and will not be, knowingly disclosed by the Tenderer, directly or indirectly, to any competitor, prior to the date and time of the official quotation opening, or of the awarding of the Contract, whichever comes first, unless otherwise required by law or as specifically disclosed pursuant to paragraph (5)(b) above.

Name _____

Title _____

Date _____

[Name, title and signature of authorized agent of Tenderer and Date]

v) SELF-DECLARATION FORM

We, the Tenderer _____ (*insert name*) submitting our Quotation in respect of Quotation No _____ for _____ (*insert quotation Title Description*) for _____ (*insert Name of Procuring Entity*)

DECLARE AS FOLLOWS:

That, We the Tenderer including any entity or individual that directly or indirectly controls, is controlled by or is under common control with us, and any subcontractors, suppliers, project managers, consultants, manufacturers, service providers, agents, individuals, or any other party involved or to be involved for any part of the processes of procurement and contract execution related to the above quotation:

- a) have not engaged/will not engage in any corrupt or fraudulent practices in the processes of procurement and contract execution related to the above quotation as defined and/or described in the following:
 - i) the RFQ for the above Quotation;
 - ii) Kenya's Public Procurement and Asset Disposal Act, 2015) and its attendant Regulations;
 - iii) Kenya's Anti-Corruption and Economic Crimes Act, 2013; and
 - iv) any such other Acts or Regulations of Government of Kenya;
- b) have not offered/will not offer any inducement to any member of the board, management, staff and/or employees and/or agents of (*name of the procuring entity*);
- c) have not engaged/will not engage in any collusive or corrosive practice with other tenderers participating in the subject quotation;
- d) have not been sanctioned or debarred by any entity from participation in public procurement proceedings of Kenya.

That, what is deponed to herein above is true to the best of our knowledge, information and belief.

Name of the Tenderer: [*insert complete name of tenderer signing the quotation*]

Name of the person duly authorized to sign the quotation on behalf of the Tenderer:
..... [*insert complete name of person duly authorized to sign the quotation*]

Title of the person signing the Quotation: [*insert complete title of the person signing the quotation*]

Signature of the person named above: [*insert signature of person whose name and capacity are shown above*]

vi) FOREIGN TENDERER 40% RULE

(not to be included in the RFQ for supply of goods, supply and installation of plant and equipment, insurance, purchase of property, and other RFQ where this rule may not be practical).

Pursuant to the provisions in the Public Procurement and Disposal Act, 2015, a Foreign Tenderer must complete this form to demonstrate that the quotation fulfils this condition.

ITEM	Description of Work Item	Describe location of Source	COST in K. shillings	Comments, if any
A	Local Labor			
1				
2				
3				
4				
5				
6				
B				
1				
2				
3				
4				
5				
C	Local materials			
1				
2				
3				
4				
5				
D				
1				
2				
3				
4				
5				
E				
1				
2				
3				
4				
5				
6				
	TOTAL COST LOCAL CONTENT		XXXXX	

PART 2: SCHEDULE OF REQUIREMENTS

TABLE A. SCHEDULE OF REQUIREMENTS, TECHNICAL SPECIFICATIONS

Table A. SCHEDULE OF REQUIREMENTS AND TECHNICAL SPECIFICATIONS

[Procuring Entity to complete Columns a-d and Tenderer to complete Column Indicating YES or No and if NO indicate the specification of the offered item]

Item No	Description of Goods/works/service <i>(Procuring Entity to select one)</i> <i>For Works attach drawings</i>	Quantity	TECHNICAL SPECIFICATIONS (completed by <i>Procuring Entity</i>)	CONFORMITY WITH TECHNICAL SPECIFICATIONS <i>(to be completed by Tenderer)</i>
1A	B	C	D	E
2	SEE ATTACHED BILL OF QUANTITIES			
3				
4				
5				
6				
7				
8				
9				

ATTACHMENTS *(to be listed below and supplied by Procuring Entity)*

ETC.

TECHNICAL SPECIFICATIONS FOR WORKS/SERVICES

- a) A preliminary description of the proposed works/services and work method and schedule, including drawings and charts, as necessary, containing all required information by which the proposed works may be evaluated (e.g. technical characteristics, operational capacities, maintenance, environmental effect, etc.) together with manuals or instructions for use or any other relevant information and documentation, delivery/installation schedules, etc.;
- b) A detailed statement of how the tenderer will carry out the works/services that will form an integral part of the Contract.
- c) **DRAWINGS**

(Procuring Entity to attach Drawings (if any))

(Procuring Entity will complete the list of items to be same as those on Table A. Schedule of Requirements and Technical Specifications and tenderer should complete columns c-e)

Item	Description of Goods/works/services (Procuring Entity to select one)	Quantity	Unit price	Total Price
1	SEE ATTACHED BILL OF QUANTITIES			
2				
3				
4				
5				
6				
7				
8				
9				
		TOTAL PRICE		

Signature: _____

And seal/Stamp _____

Name: _____

Position:

Authorised for and on behalf of (specify name of tenderer) _____

Date _____

AGREEMENT FORM

(1) THIS CONTRACT AGREEMENT is made _____ (specify date).
Between [Insert complete name of Procuring Entity],
and having its principal place of Business at [Insert address of
Procuring Entity] and SUPPLIER

[Insert name of Supplier, or contractor or service provider], and having its
principal place of business at _____
..... [ins
ert address of Supplier, contractor or service provider].

(2) WHEREAS the Procuring Entity invited quotations for the Supply of Goods/works/services
(select one) described in Table B, i.e.(**insert name of the project**)
and has accepted a Quotation by the Tenderer in the sum of
..... [insert Contract Price in words and figures] (hereinafter called “the
Contract Price”).

(3) NOW THIS AGREEMENT WITNESSED AS FOLLOWS:

1. This Contract Agreement includes the following documents:

- a) Table A. SCHEDULE OF REQUIREMENTS AND TECHNICAL SPECIFICATIONS.
- b) Table B. QUOTATION SUBMISSION TABLE.
- c) FORM OF QUOTATION.
- d) Conditions of Contract.

2. In consideration of the payments to be made by the Procuring Entity to the **Supplier** as
hereinafter mentioned, the *Supplier/contractor/service provider* hereby covenants with
the Procuring Entity to provide the Goods/works/services and to remedy defects
therein in conformity in all respects with the provisions of the Contract.

3. The Procuring Entity hereby covenants to pay the **Supplier** in consideration of the
provision of the **Goods** and the remedying of defects therein, the Contract Price or such
other sum as may become payable under the provisions of the Contract at the times and in
the manner prescribed by the Contract.

(4) In WITNESS whereof the parties hereto have caused this Agreement to be executed in
accordance with the laws of Kenya.

For and on behalf of the Procuring Entity-NG-CDF NAROK EAST

Signed: [insert signature]

in the capacity of..... [Insert Title -]
NAME

in the presence of..... [witness]

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier]*

in the capacity of..... *[DIRECTOR]*

NAME

in the presence of..... *[insert identification of official witness]*

SPECIAL CONDITIONS OF CONTRACT

A. General	
GCC 1.1 (r)	The Procuring Entity is: NG-CDF NAROK EAST, P.O Box 660-20500 Narok,
GCC 1.1 (s)	The Intended Completion date for the whole of the works shall be; 4 Months form the date of contract signing
GCC 1.1 (t)	The Project Manager is: Regional Works Officer. State Department of Public Works, P.O Box 660 – 20100, Nakuru Telephone: Facsimile: Email:
GCC 1.1 (aa)	The site is located at ENARIBOO SECONDARY SCHOOL
GCC 1.1 (dd)	The Start date shall be agreed with the Project Manager but not later than 7 days after signing of the contract/handing over of site- whichever comes first.
GCC 1.1 (hh)	The Works consist of: Proposed Construction of Science Laboratory block
GCC 2.2	Sectional Completions are Not Applicable
GCC 5.1	The Project Manager may delegate any of his duties and responsibilities
GCC 8.1	Schedule of Contractors: Not Applicable
GCC 9.1	<p>Key Personnel</p> <p>GCC 9.1 is replaced with the following:</p> <p>9.1 Key Personnel are the Contractor’s personnel named in this GCC 9.1 Special Conditions of Contract. The Contractor shall employ the Key Personnel and use the equipment identified in its Bid, to carry out the Works or other personnel and equipment approved by the Project Manager. The Project Manager shall approve any proposed replacement of Key Personnel and equipment only if their relevant qualifications or characteristics are substantially equal to or better than those proposed in the Bid.</p> <p>[insert the name/s of each Key Personnel agreed by the Procuring Entity prior to Contract signature.]</p>
GCC 13.1	<p>The minimum insurance amounts and deductibles shall be: Contractor’s all risk Policy</p> <p>(a) for loss or damage to the Works, Plant and Materials:</p> <p>(b) For loss or damage to Equipment:</p> <p>(c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract: Contractor’s all risk Policy</p> <p>(d) for personal injury or death:</p> <p>(i) of the Contractor’s employees: Contractor’s all risk Policy</p>

	of other people: Contractor's all risk Policy
GCC 14.1	Site Data are: Not Applicable
GCC 16	Completion Time: 12 weeks
GCC 20.1	The Site Possession Date(s) shall be: To be agreed with Project Manager
GCC 23.1 & GCC 23.2	Appointing Authority for the Adjudicator: Chartered Institute of Arbitrators (CIArb) Kenyan Chapter, AAK, or IQSK
GCC 24.3	Hourly rate and types of reimbursable expenses to be paid to the Adjudicator: As per the standard fees of the proposed bodies above of the Appointing Authority.

I B. Time Control

GCC 26.1	The Contractor shall submit for approval a Program for the Works within Fourteen (14) days from the date of the Letter of Acceptance.
GCC 26.3	The period between Program updates is Thirty (30) days. The amount to be withheld for late submission of an updated Program is Not Applicable.

I C. Quality Control

GCC 34.1	The Defects Liability Period is: 180 days.
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I D. Cost Control

GCC 38.7	If the value engineering proposal is approved by the Procuring Entity the amount to be paid to the Contractor shall be; Not Applicable
GCC 44.1	The currency of the Procuring Entity's Country is: Kenya Shillings
GCC 45.1	The Contract is not subject to price adjustment in accordance with GCC Clause 45, and the following information regarding coefficients does not apply. The coefficients for adjustment of prices are: (a) 0% percent nonadjustable element (coefficient A). (b) 0% percent adjustable element (coefficient B). (c) The Index I for shall be: Not Applicable.
GCC 46.1	The proportion of payments retained is: 5%
GCC 47.1	The liquidated damages for the whole of the Works are 0.05% per day. The maximum amount of liquidated damages for the whole of the Works is 5% of the final Contract Price.
GCC 49.1	The Advance Payments shall be: Not Applicable and shall be paid to the Contractor no later than Not Applicable.

I E. Finishing the Contract

<p>GCC 56.1</p>	<p>The date by which operating and maintenance manuals are required is: On practical completion date</p> <p>The date by which "as built" drawings are required is: On practical completion date</p>
<p>GCC 56.2</p>	<p>The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required in GCC 58.1 is: The Retention money.</p>
<p>GCC 57.2 (g)</p>	<p>The maximum number of days is: One Hundred Twenty (120) Days.</p>
<p>GCC 58.1</p>	<p>The percentage to apply to the value of the work not completed, representing the Procuring Entity's additional cost for completing the Works, is Five (5) %</p>

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<i>Constructioun of SCIENCE LAB</i>				
	<u>ELEMENT NO. 01</u>				
	<u>SUBSTRUCTURE-all provisional</u>				
A	Clear site of all bushes, shrubs and trees girth not exceeding 600mm, grub out roots, stamps and despose off	Sm	166		
B	Excavate oversite average 200mm deep to remove vegetable top soil, wheel and deposit on site as directed	Sm	166		
C	Excavate for foundation trench not exceeding 1.5m deep starting from stripped level.	Cm	70		
D	Extra over for excavating in rock of any class	Cm	3		
E	Allow for plunking and strutting	item			
F	Allow for keeping excavations free from any storm or underground water	Item			
G	Return fill in and ram excavated material around foundations.	Cm	55		
H	Cart-away surplus excavated materials to where directed.	Cm	15		
I	250mm hardcore filling well watered and compacted to receive murrum (m.s)	Sm	164		
J	50mm thick murrum blinding well compacted to receive floor bed(m.s)	Sm	164		
K	Premise 200cc" or any other equal and approved anti-termite treatment applied as per manufactures printed instructions.	Sm	164		
	Carried to collection				
	L/I				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>Concrete work</u>				
A	50mm thick mass concrete 1:4:8 blinding under foundations	Sm	47		
	<u>Vibrated reinforced concrete 1:2:4 to:-</u>				
B	100mm thick floor slab	Sm	152		
C	Ditto in strip foundations	Cm	10		
	<u>Reinforcement</u>				
D	One layer B.R.C ref. No. A 98 fabric reinforcement with 150mm end laps tying wire and spacer blocks weighing 2.22kg/sm (measured nett, allow for laps)	Sm	164		
E	8mm diameter mild steel reinforcement round bars to k.s 573:2005 including all cutting to size, binding wire and spacer blocks in strip	Kg	101		
F	10mm high tensile square twisted bars to k.s 573:2005 and ditto	Kg	153		
	<u>Sawnform work to:-</u>				
G	Sides of strips	Sm	35		
H	Sides and edges of floor bed 75-150mm high	Lm	52		
	<u>Walling</u>				
I	200mm thick natural dressed stone walling in cement sand mortar 1:4 with and including hoop-iron after every 2nd alternate course.	Sm	111		
	<u>Damp proofing</u>				
J	500mm gauge polythene damp proof membrane with 150mm (Min) end and side laps	Sm	164		
	<u>3 ply hessian based bituminous felt damp proof course bedded on mortar including leveling:-</u>				
K	200mm wide damp proof course under walls.	Lm	60		
	L/2				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
A	<u>Plinths</u> 12mm thick rendering in cement sand mortar 1:4	Sm	20		
B	Prepare and apply 3 coats black bituminous paint to ditto.	Sm	20		
C	50mm thick p.c slabs in sizes 600 x 600mm, with and including 50mm thick sand bed, all excavations, insecticides treatment, and jointing in cement sand mortar 1:3	Sm	25		
Carried to collection					
<u>COLLECTION</u>					
Brought forward from pg L/1					
" " from pg L/2					
" " from above					
TOTAL FOR ELEMENT NO. 1-SUBSTRUCTURE CARRIED TO SUMMARY					
L/3					

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>ELEMENT NO. 03-WALLING</u>				
	<u>Walling</u>				
A	150mm thick natural dressed stone walling externally in cement mortar 1:4 with and including hoop-iron after every 2nd alternate course	Sm	142		
B	Ditto gable	Sm	14		
C	150mm Ditto internally	Sm	42		
D	100mm(external) diameter vent pipe 200mm long building to opening in wall in cement sand 1:4 with both ends flush with all faces and neat v-joint all round at junction with plaster.	No.	20		
E	Form or leave hole for ditto size 100mm diameter in 150mm thick walling.	No.	20		
F	Labour and materials for eaves filling average 150mm high.	Lm	53		
G	Raking and cutting edges and tops of gable walls including making good.	Lm	18		
Total for element No. 3 walling carried to summary					
L/5					

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
A	Bore 12mm diameter holes through 50mm thick wall plate at 2m centres.	No.	17		
B	Knot, prime, stop and apply 3 coats super gloss oil paint to surfaces of fascia and vergeboard 200-300mm high.	Lm	58		
	carried to collection				
	<u>COLLECTION</u>				
	<i>Brought forward from pg L/6</i>				
	<i>" " " above</i>				
	TOTAL FOR ELEMENT NO. 04 ROOF CARRIED TO SUMMARY				
	L/7				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>ELEMENT NO. 5- DOORS</u>				
A	Provide and fix standard steel casement door in 32 x 25 x 3mm R.H.S frame and checkered 2mm thick plate plate as required size 1200 x 2400mm high, double leaf openable size 750 x 2000mm and, top as glass(m.s) pane size 1500 x 800mm high, with all necessary burglar proofing, 3-lever locks complete with stays, fasteners, lugs, rawl bolts, and one coat red oxide primer, including casting into block walling in cement sand mortar 1:3	No.	2		
B	Ditto 50mm thick semi-solid core flush door size 900 x 2100 mm high faced both sides with superior quality plywood and leaped all round, with fanlight above	No.	3		
	<u>all in wrott cypress</u>				
C	100mm x 50mm door frame once rebated	Lm	18		
D	Ditto transome	Lm	3		
E	20 x 25mm high thick quadrant plugged	Lm	18		
F	40 x 25mm thick archtrave plugged.	Lm	18		
G	20 x 25mm beading	Lm	6		
H	4mm thick glazing in panes 0.1-0.5m to fanlight.	Sm	1		
I	Ditto but obsucre glass to steel door in panes 0.1-0.5m fixxed in linseed putty.	Sm	1		
	<u>supply and fix the following iron mongery</u>				
J	3lever mortice locks	No.	3		
K	100mm long pressed steel butt hinges	Prs	6		
	Carried to collection				
	L/8				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>Painting</u> <u>Knot, prime stop and apply 3 coats super gloss oil paint</u> <u>as "crown" or any other equal and approved to surfaces of:</u>				
A	Surfaces of doors	Sm	25		
B	Frames 200 - 300mm high	Lm	21		
C	Surfaces not exceeding 100mm high	Lm	21		
	<u>Prepare and apply one coat Aluminium wood primer</u> <u>to surfaces of wood before fixing:-</u>				
D	Surfaces 100-200mm high	Lm	21		
E	Surfaces not exceeding 100mm high.	Lm	21		
	Carried to collection				
	<u>COLLECTION</u>				
	Brought forward from pg L/8				
	" " above				
	TOTAL FOR ELEMENT NO. 5 DOORS				
	CARRIED TO SUMMARY				
	L/9				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>ELEMENT NO. 7 FIXTURES & FITTINGS</u>				
	<u>Stores</u>				
A	150 x 25mm thick wrott cypress to shelves	Lm	121		
B	450 x 300mm mild steel brackets plugged	No.	40		
	<u>Gas cubicle</u>				
C	150mm DPC	Lm	2		
D	150mm walling in cement sand moratr 1:3	Sm	3		
E	75mm thick vibrated reinforced concrete 1:2:4 to worktops	Sm	1		
F	Sawn formwork to soffites of ditto.	Sm	1		
G	Ditto to edges 75-150mm high	Lm	3		
H	Steel casement door size 900 x 1000mm high	No.	1		
I	B.R.C mesh ref. A 98	Sm	1		
J	15mm thick cement sand plaster 1:3 to walls worktops	Sm	5		
K	Prepare and apply 3 coats of super gloss oil paint to plastered areas	Sm	5		
L	Apply 3 coats of super gloss oil paint to steel doors	Sm	2		
	<u>Worktops</u>				
M	75mm thick vibrated reinforced concrete to worktops	Sm	32		
N	Sawn formwork to soffites of ditto.	Sm	32		
P	Ditto to edges of 75-150mm high	Lm	67		
Q	B.R.C to worktops	Sm	29		
	Carried to collection				
	L/11				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
A	Extra over boxing to create sink opening size 350 x 450mm high	No.	21		
B	25 x 200mm hardwood and groved worktops plugged	Sm	30		
C	15mm thick cement sand plaster to edges	Sm	5		
	<u>Dwarf walls</u>				
D	150mm walling in cement sand mortar	Sm	16		
E	150mm DPC	Lm	20		
F	15mm thick cement sand 1:3 plastrer to walls	Sm	38		
G	Prepare and apply 3 coats of super gloss oil paint to plastered areas	Sm	38		
H	Prepare and apply 3 coats of clear varnish to worktops	Sm	32		
	<u>Construction of fume chambers</u>				
I	5mm thick permanent plexi glass	Sm	2		
J	Ditto but bevelled glass at edges, but sliding	Sm	2		
K	75 x 50mm wrott hardwood frame plugged	Lm	9		
L	Ditto but with two labours for sliding rak	Lm	3		
M	Almunium sliding rack	Lm	3		
N	12 x 20mm wrott cypress beading	Lm	11		
P	150mm thick stone walling in cement sand mortar 1:3	Sm	4		
	Carried to collection				
	L/12				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
A	75mm thick vibrated reinforced concrete 1:2:4 worktop	Sm	2		
B	Sawn formwork to soffites of ditto.	Sm	2		
C	Ditto to edges 75-150mm high	Lm	2		
D	B.R.C mesh wire to worktop	Sm	2		
E	.5mm thick epoxy linning to inside of cupboard fixed in adhesive	Sm	6		
F	Form or leave 160mm diameter chimney stuck(m.s)	No.	1		
G	15mm thick cement sand plaster to sides and edges of walls	Sm	8		
H	Ditto to worktop	Sm	3		
I	Prepare and apply 3 coats of plastic emulsion 1st quality paint to plaste red areas	Sm	11		
J	Knot, prime, stop and apply 3 coats of super gloss oil paint to surfaces of blockboard and shelves	Sm	92		
K	Ditto surfaces 100-200mm high	Lm	133		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>COLLECTION</u>				
	Brought forward from pg L/11				
	Brought forward from pg L/12				
	Brought forward from pg L/13				
	TOTAL FOR FIXTURES & FITTINGS CARRIED TO SUMMARY OF ELEMENTS				
	L/14				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
ELEMENT NO. 6 -FINISHES					
<u>Floors</u>					
A	25mm thick coloured cement sand screed 1:2 steel smooth	Sm	160		
B	50 x 75mm ditto skirting, coved at junction to floor and 100 x 20mm skirting	Lm	70		
<u>plaster</u>					
C	12mm thick gauged plaster cement sand lime 1:1:6 with a smooth float to walls internally.	Sm	241		
D	Ditto to reveals and jambs.	Sm	18		
<u>Render</u>					
E	15mm thick gauged cement sand render 1:2 to ring beams finished with a wood float externally	Sm	25		
F	Ditto to surfaces of reveals and jambs	Sm	18		
<u>ceiling</u>					
G	10mm thick chipboard ceiling fixed to brandering(m.s) in symmetrical V-joints	Sm	150		
H	Extra over ditto for access trap door size 450 x 450mm including all joists and framing	No.	1		
I	10 x 50mm chipboard cornice plugged	Lm	80		
<u>all in sawn celcured cypress</u>					
J	50 x 50mm brandering	Lm	304		
K	50 x 75mm ditto	Lm	304		
TOTAL FOR FINISHES CARRIED TO SUMMARY					
L/15					

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
ELEMENT NO. 6 -PAINTING & DECORATIONS					
<i>Prepare and apply three coats permaplast long lasting exterior first grade plastic emulsion paint as "crown" or any other equal and approved paint to</i>					
A	Rendered surfaces of walls externally	Sm	25		
B	Ditto reveals and jambs	Sm	18		
<i>Prepare and apply 3 coats smooth velvet(solo) emulsion paint as "crown" or any other equal and approved paint to</i>					
C	Plastered walls	Sm	241		
D	Ditto Reveals and jambs	Sm	18		
E	Surfaces of ceiling	Sm	150		
F	Surfaces of cornice not exceeding 100mm high	Lm	80		
TOTAL FOR ELEMENT NO. 7-PAINTING & DECORATIONS CARRIED TO SUMMARY					
L/16					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>MECH WORKS</p> <p>Supply, Install, test and commission the following :</p> <p>Supply, deliver and install a fume cupboard extract fan capable of 0.4m³/s against a system pressure drop of 50N/M²</p> <p>Casing of the fan to be in rigid pvc, impellers moulded in phenolic resin and motor protected by sealing coat of polyurethane compound. Fan to be complete with motor starter, electrical control panel fixed near the fume cupboard with ON/OFF and trip and manual override in the plant room, flexible connections, anti vibration mounting, supports. Fan to be as "woods" fume cupboard fan size 12" running at 1400RPM or equal and approved equivalent</p>	1	No.		
B	<p>LABORATORY SINK</p> <p>"Vulcathene" black injection moulded polypropylene sink with self- draining base and an outlet to accept the waste described below as cat No.602 complete with:-</p>				
C	<p>"vultex labline" bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout</p> <p>"Vulcathene" 1 1/2" waste, plug, back, nut, butyl rubber gasket, grating and chain as Cat No. 504.</p> <p>"vulcathene" anti- siphon bottle trap as cat No 561</p>	21	No.		
D	<p>Fume Cupboard Extract Ductwork</p> <p><u>supply, deliver and install 200mm diameter Upvc ductwork for the fume cupboard above.</u></p> <p>Carried to collection</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	200 mm diameter u PVC pipework class 'D'	3	LM		
B	Holderbats for 200mm diameter pipework	1	ITEM		
C	200mm diametere bends	2	No.		
D	200mm diameter ventilation cowls	1	No.		
E	weathering slate for 200mm dia pipe	2	NO		
F	weathering apron for 200mm dia pipe	1	NO		
G	Neoprene Fan connections	1	NO		
H	for the fan and any other necessary items	1	ITEM		
	<u>water supply</u>				
	Control valve as Vultex Labline Ref.No.VL 2105				
	Bench mounting outlet complete with backnut, spout as Vultex Labline Ref.No.VL2107/D	21	NO		
J					
K	Allow for 300mm long 12mm diameter copper tube and nut	21	NO		
	Gas Supply				
L	control valve as vultex Labline ref No. VL2105	21	NO		
	Backnut and nozzles as vultex Labline Ref No. VL2110/D	21	NO		
M					
N	Allow for 1000mm long 6mm diameter copper tube with nuts	21	NO		
	DRAINAGE				
	1 1/4" diameter waste complete with integral grating, removable chained plug and backnut as vulcathene ref. No. 504.	21	NO		
P	Carried to collection				
	L/18				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	WATER STORAGE TANK				
	Supply, deliver and install vertical close end plastic moulded tank of capacity 1800ltrs (400gallons) and diameter 1300 x 860mm high. The tank to be assembled complete with cover and having screwed connections for inlet, outlet, overflow, 32mm high pressure ball valve, drain pipes and any other necessary item for its proper functioning. the tank shall be mounted on a flat roof slab and shall be as ROTO Model or approved equivalent.	1	NO		
	LABORATORY L.P.GAS INSTALLATION				
B	L.P gas storage tank of capacity 50kg	1	NO		
C	L.P gas supply	50	KG		
D	25mm dia GMS class pipe	38	LM		
E	50mm dia GMS class B pipe for sleeve	30	LM		
F	50mm dia GMS Bend	10	NO		
G	25mm dia GMS Bend	10	NO		
H	25mm dia GMS tee	16	NO		
I	25 x 15 mm dia GMS reducer	15	NO		
J	L.P. Gas pressure gauge	12	NO		
K	50mm dia GMS manifold pipe with 3 No. braches tapping to gas cylinders complete with mounting plugs.	1	NO		
	Carried to collection				
	L/19				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	COPPER TUBING				
A	6/8 dia copper tubing	38	LM		
B	8/10 ditto	30	LM		
C	10/12 ditto	15	LM		
	Extra OverCopper Tubing for the following fittings:-				
D	6/8mm dia brass Equal Tee	13	NO		
E	8/10 mm ditto	8	NO		
F	10/12mm ditto	8	NO		
G	8/10 x 6/8mm dia Brass Unequal Tee	13	NO		
H	10/12 x 8/10 ditto	8	NO		
I	10/12 8/10 mm dia Brass Reducer	8	NO		
J	8/10 x 6/8 mm Ditto	8	NO		
	GAS VALVES				
K	6/8 mm dia approved quarter turn, lever operated ball valve to BS 5154 and joints to copper	1	NO		
	PRESSURE REGULATOR				
L	15mm dia. First stage gas pressure regulator as Rego 2403 V.9 complete with connections and brackets for 3 no. gas cylinder Tanks 15mm dia. Second stage gas regulator as Rego 2503 B for the supply pipe	1	NO		
M	Allow Kshs 90,000 for internal and external waste water drainage system	1	ITEM		
	Carried to collection				
	L/20				

ITEM	DESCRIPTION	QTY	UNIT		
A	<p>GAS OUTLET (TAP)</p> <p>Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" CFM at 2 p.s.i, 4mm dia outlet and 1/4" BSp tail with backnut. The outlet shall be as Vultex Labline 2-way bench mounted with 2 cocks spaced at 90o angle Model NO. VL 260 1/D</p>	16	NO		
B	<p>BUNSEN BURNER</p> <p>Bunsen burner to use the L.P. gas with 9mm outside dia riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside dia. The burner shall be as PARCO Ltd BYB-045 R or equal and approved</p>	21	NO		
C	<p>Gas tape -2 way bench mounted at angle of 90 degree and approved</p>	21	No.		
D	<p>12mm dia 600mm long gas hose pipe to fit.</p>	21	NO		
E	<p>Testing and Commissioning Carried to collection</p>	1	ITEM		
	<p style="text-align: center;"><u>COLLECTION</u></p> <p>Brought forward from L/17</p> <p>Brought forward from L/18</p> <p>Brought forward from L/19</p> <p>Brought forward from L/20</p> <p>Brought forward from above</p>				
	<p>TOTAL FOT MECH WORKS CARRIED TO SUMMARY</p> <p style="text-align: center;">L/21</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 11: ELECTRICAL WORKS				
	<u>LIGHTING POINTS</u>				
A	Lighting point wired in 3 x 1.5mm ² SC-PVC-Cu cables drawn in 20mm diameter HG PVC conduits concealed inside ceiling complete with all necessary accessories excluding switches and fittings for:-				
	i) one way switching.	4	NO		
	ii) two way switching.	7	NO		
B	10A moulded ivory switch plates as Crabtree or approved equivalent as follows:				
	i) One gang one way.	2	NO		
	ii) One gang two way .	1	NO		
	iii) Two gang two ways.	1	NO		
	<u>LIGHTING FITTINGS</u>				
C	Light fittings complete with fixing accessories and lamps as follows:-				
	i) 1200mm 1 x 36w Fluorescent batten fitting of slim cross-section	4	NO		
	ii) Ditto but 1200mm 2 x 36w.	7	NO		
	iii) 1500mm 1 x 58w Fluorescent batten fitting of slim cross-section with angle reflector	1	NO		
	<u>SOCKET OUTLETS AND POWER BOARDS</u>				
D	Socket outlet point comprising wiring in 3 x 2.5mm ² PVC-SC-Cu cables in concealed in conduits.	21	NO		
E	13A 2-gang switched moulded socket outlet plate as Crabtree or approved equivalent.	21	NO		
F	Extract fume cupboard fan point wired in 3x2.5mm ² SC-PVC-CU cables drawn in 20mm diameter HG PVC conduits but excluding fan itself.	1	NO		
G	20A DP switch with neon indicator lamp as Crabtree or approved equivalent.	1	NO		
	Carried to collection				
	L/22				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>CONSUMER UNITS/DISTRIBUTION BOARDS</u>				
A	10-way SP/N consumer unit flush mounted on wall complete with a 100A SP/N integral isolator as CRABTREE or approved equivalent.	1	NO		
B	Single pole Miniature Circuit Breakers to fit into the above consumer unit as follows:				
	(i) 10A SP	2	NO		
	(ii) 30A SP	2	NO		
	(iii) Blanking plates	3	NO		
	<u>SUB-MAINS CABLES</u>				
C	2x25.0mm ² +10.0sq.mm single-Core copper cables drawn inside HG conduits.	60	LM		
D	Standard cable loop-in box made in gauge 14swg galvanized steel sheet.	1	NO		
E	Cut-out complete with SP 80A HRC fuses.	1	NO		
F	Electrical earthing comprising 6.0mm ² 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.	1	ITEM		
	Carried to collection				
	<u>COLLECTION</u>				
	Brought forward from L/22				
	Brought forward from above				
	TOTAL FOR ELECTRICAL WORKS CARRIED TO SUMMARY				
	L/23				

ITEM	DESCRIPTION	AMOUNT
<u>SUMMARY OF ELEMENTS</u>		
A	ELEMENT NO. 1 , SUBSTRUCTRER from pg L/3	
B	ELEMENT NO. 2 , R.C WOiks from pg L/4	
C	ELEMENT NO. 3 , WALLING from pg L/5	
D	ELEMENT NO 4, ROOF from pg L/7	
E	ELEMENT NO. 5, DOORS from pg L/9	
F	ELEMENT NO. 6 , WINDOWS from pg L/10	
G	ELEMENT NO.7 , FIXTURES/FITTINGS from pg L/14	
H	ELEMENT NO 8, FINISHES from pg L/15	
I	ELEMENT NO. 9 PAINTING & DECORATIONS from pg L/16	
J	ELEMENT NO. 10 MECHANICAL WORKS from pg L/21	
J	ELEMENT NO. 11 ELECTRICAL WORKS from pg L/23	
K	Provide Kenya Shillings TEN Thousand (Kshs.10,000.00) only for branding and sign post.	
TOTAL FOR WORKS CARRIED TO FORM OF TENDER		
L/25		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROVISIONAL SUMS</u>				
	<u>PROJECT MANAGEMNT EXPENSES</u>				
	<p><u>The following provisional items shall be measured on completion of the works and priced in accordance with rates contained in these bills of quantities or pro-rata thereto or deducted in whole if not required.</u></p>				
A	Provide Kenya Shillings Eighty Thousand (Kshs.80,000.00) only for project administration.		SUM		
	TOTAL FOR PROVISIONAL SUMS CARRIED TO SUMMARY				
	L/24				

PROPOSED CONSTRUCTION TO
COMPLETION OF LABORATORY BLOCK
 WP ITEM NO.

GRAND SUMMARY

ITEM	DESCRIPTION	TENDERER'S AMOUNT	OFFICIAL USE ONLY
1	Particular Preliminaries from page PP		
2	General Preliminaries from page PP		
3	Builders works from pg G S 1		
SUB-TOTAL			
ADD 16% VAT			
Add PC and provisional sums			
TOTAL CARRIED TO FORM OF TENDER			

Amount of tender in words: Kenya Shilings.....

Tenderer's signature and stamp.....

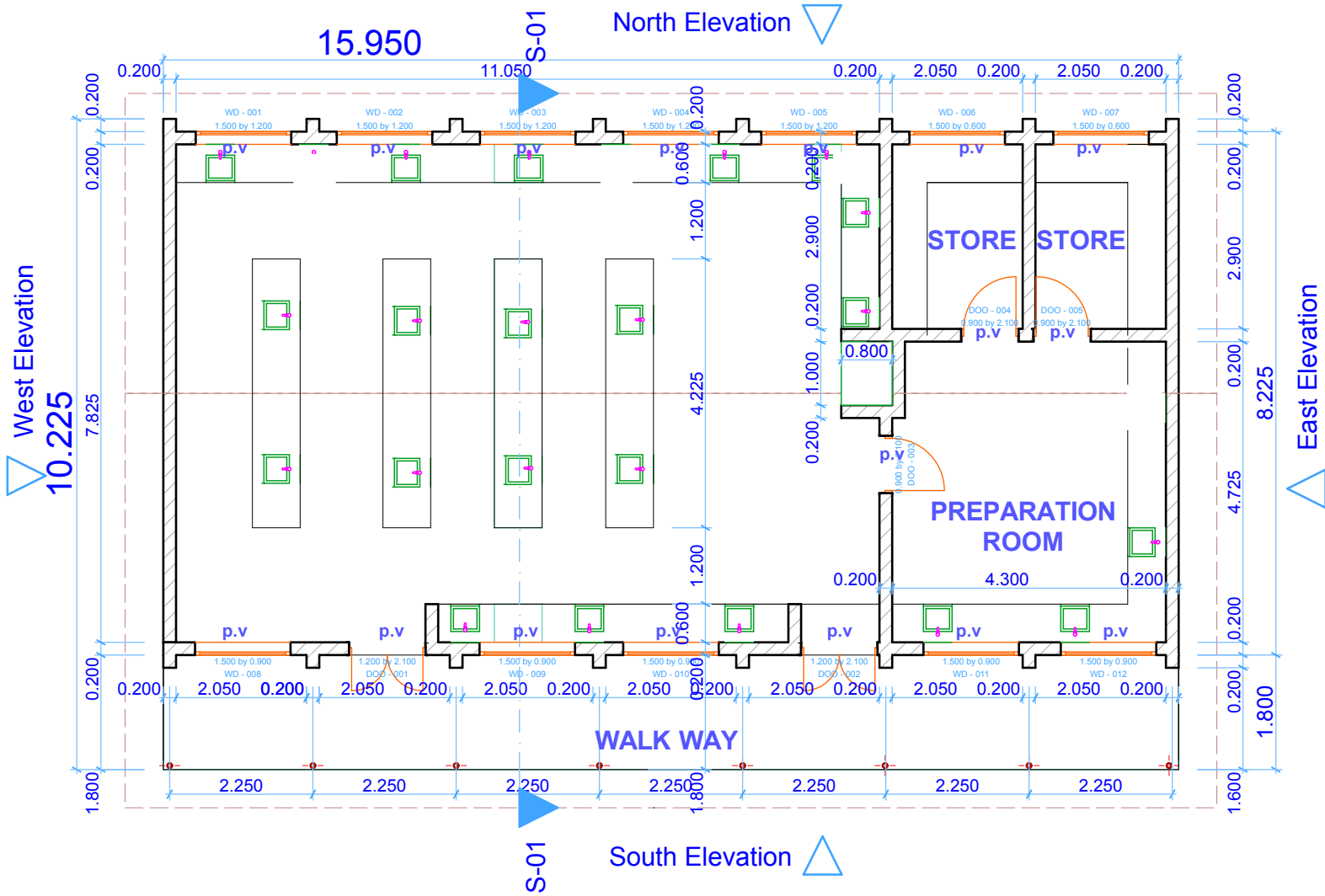
Address.....

Date.....


Witness: Name and signature.....

Address.....

Date.....



REGIONAL WORKS OFFICE
 P. O. BOX 660 - 20100,
 NAKURU



Client SOGOO SECONDARY SCH

No. Drg No. **KSS/LB/19.09/ (29) 1/01 Rev.**
 Date **03//2025**
 Delt Drawn - H. I. M -
 Checked - G. W. M.

Drawing Scale 1: 100

Title **FLOOR PLAN**
 Project **LABORATORY BLOCK**