



REPUBLIC OF KENYA

MINISTRY OF LANDS, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT

STATE DEPARTMENT FOR PUBLIC WORKS

PROPOSED CONSTRUCTION TO COMPLETION OF A 45-STUDENT'S CAPACITY SCIENCE LABORATORY AND INSTALLATION OF A 2300Ltr ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL

W. P. ITEM No.....

UNPRICED BILL OF QUANTITIES

REGIONAL WORKS OFFICER
STATE DEPARTMENT FOR PUBLIC WORKS
P.O. BOX 660-20100
NAKURU

CLIENT
NG-CDF NAIVASHA CONSTITUENCY,
P.O BOX 1918 - 20117,
NAIVASHA.

SEP, 2026

**PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN
ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURE (All Provisional)</u>				
	<u>Excavation and Earthworks</u>				
	<u>Site preparation</u>				
	<u>Clearing site vegetation; grubbing up roots and filling up voids left with selected excavated material</u>				
A	Bushes, shrubs, undergrowth and small trees girth not exceeding 600mm or the like and cart away from site as directed;	186	SM		
	<u>Top soil stripping</u>				
B	Excavating vegetable soil for preservation, average 150 mm thick	175	SM		
	<u>Excavations</u>				
	<u>Excavating Surface to reduce level.</u>				
C	Average 300mm deep	175	SM		
	<u>Excavating Trenches; to receive foundations starting from reduced levels</u>				
D	Not exceeding 1.50m deep	77	CM		
E	Extra over reduced level excavation for cut and fill operations necessary to achieve the required formation levels, including excavation, spreading, placing, watering and compaction of excavated material.	1	ITEM		
	<u>Breaking out existing material; extra over all kinds of excavations irrespective of depth</u>				
F	Extra over all types of excavations for excavating in rock of all types	8	CM		
	<u>Disposal</u>				
G	Backfill with selected excavated material around foundations; compacting in layers maximum 150mm thick; including double or multi handling of excavated whedre necessary	35	CM		
H	Surplus excavated material; removing from site mechanically	42	CM		
	<u>Disposal of water</u>				
H	Labour and materials, allow for keeping excavations free from general water by pumping, bailing or any other approved methods	1	ITEM		
	<u>Planking and strutting</u>				
J	Labour and materials, to uphold sides of excavation generally	1	ITEM		
	Total Carried to collection				

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ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>FILLING</u>				
	<u>Hardcore</u>				
A	300mm thick hardcore to make up levels, depositing and compacting in layers maximum 150mm thick levelling and grading to appoval	162	SM		
	<u>Murram</u>				
B	Quarry dust murram blinding 50 mm thick rolled smooth to receive polythene sheeting	162	SM		
	<u>Anti-termite treatment</u>				
	<u>Applying "Termidor 25 EC" solution or other equal and approved sprayed evenly by an approved specialist strictly in accordance with the manufacturer's instructions</u>				
C	To surface of fill and tops of foundation walls	175	SM		
	<u>CONCRETE WORK</u>				
	<u>Insitu concrete</u>				
	<u>Plain mix 1:3:6 50mm thick blinding to:</u>				
D	Under strip footing	52	SM		
	<u>Vibrated reinforced concrete Class 20/20mm (1:2:4) in:-</u>				
E	Foundation strip	10	CM		
F	Floor Beds; 150 mm thick	175	SM		
	<u>REINFORCEMENT</u>				
	<u>Bars : high tensile steel; cold worked; B. S. 4461 including bends, hooks, tying wire, distance blocks and spacers</u>				
	<u>Foundation strip</u>				
G	8 mm diameter; main bars	102	KG		
H	10 mm diameter; distribution bars	266	KG		
	<u>Fabric; B.S 4483</u>				
J	Reference A142; mesh 200 x 200 mm weight 2.22 kgs per square meter (Measured net - no allowance made for laps); including bends, tying wire and distance blocks in any location	175	SM		
	Total Carried to collection				

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ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Formwork</u>				
	<u>Sawn softwood formwork to insitu concrete</u>				
A	Edges of floor bed 75 to 150 mm high	54	LM		
	<u>Foundation walling</u>				
	<u>Natural hard machine cut stone; selected and approved; in walling with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar in 200mm, course height; reinforcement with and including 25mm wide x 20 gauge hoop iron and column wall ties at every alternate course as described in;</u>				
B	200mm thick foundation walling	146	SM		
C	Extra over for attached pier; 400x200mm	16	NO		
	<u>Damp proof membrane</u>				
	<u>1000 gauge Polythene laid with 150mm laps,(No allowance made for laps)</u>				
D	Horizontal, 1 No. of layer(s) over 300 mm wide	175	SM		
	<u>Plinth finishes</u>				
	<u>Render, cement and sand (1:3) wood floated</u>				
E	12mm thick 2 No. coat work, to concrete or blockwork base (m/s) generally external	25	SM		
	<u>Painting; 3 coats black bituminous paint to</u>				
F	Rendered surfaces external	25	SM		
	<u>Paving plinth</u>				
	<u>In situ Concrete; class 15/20</u>				
G	600x50 mm thick cast in situ concrete paving plinth around the building; finished with red oxide to the approval of the architect	30	SM		
H	Allow for the construction of an entrance ramp complete with formwork, reinforcement, finishing, and all necessary falls and upstands to the satisfaction of the Engineer	1	ITEM		
	Total Carried to collection				

**PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN
ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u> B/F from page 1 B/F from page 2 B/F from page 3				
	Total for Substructures carried to Summary				

**PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN
ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>In situ concrete</u>				
	<u>Vibrated class 20/20mm (1:2:4) in:-</u>				
A	Beams	4	CM		
	<u>Reinforcement</u>				
	<u>Bars : high tensile steel; cold worked; B. S. 4461 including bends, hooks, tying wire, distance blocks and spacers</u>				
	<u>Beams</u>				
B	8mm diameter; links	133	KG		
C	12mm diameter; main bars	239	KG		
	<u>Formwork to insitu concrete</u>				
	<u>Sawn formwork as described to:-</u>				
D	Sides and soffits of beams.	54	SM		
	<u>Steel columns</u>				
	<u>100mm diameter x3mm thick CHS stanchions with 200x250x8mm steel base plate(ms) covered by concrete, welded at the top ad 4No x16mm diameter x250 long anchor bolts</u>				
E	3000mm high columns	5	NO		
	<u>Sundries</u>				
F	Twice frilling U- holdersbat for 12mm diameter bolt to receive wall plate	10	NO		
	<u>Painting and decorating</u>				
	<u>Prepare and apply one coat lead oxide primer and three coats gloss oil paint to:</u>				
G	General metal surfaces	15	LM		
	Total Reinforced Concrete carried to Summary				

**PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN
ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.3</u>				
	<u>WALLING</u>				
	<u>Waterproofing</u>				
	<u>Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)</u>				
A	200mm wide, levelled and bedded in cement mortar (1:3)	67	LM		
	<u>External Walling</u>				
	<u>Natural hard machine cut stone; selected and approved; in walling with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar in 200mm, course height; reinforcement with and including 25mm wide x 20 gauge hoop iron and column wall ties at every alternate course as described in;</u>				
B	200mm thick walling	92	SM		
C	200mm thick gable walls	25	SM		
D	Raking cutting to 200mm thick wall	24	LM		
E	Extra over for attached pier; 400x200mm	16	NO		
	<u>Eaves filling</u>				
F	Eaves filling to 200mm walls; average height 300mm	32	LM		
	<u>Internal Walling</u>				
	<u>Natural hard machine cut stone; selected and approved; in walling with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar in 200mm, course height; reinforcement with and including 25mm wide x 20 gauge hoop iron and column wall ties at every alternate course as described in;</u>				
G	200mm thick walling	35	SM		
	Total Walling Carried to collection				

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ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	<u>ROOF AND RAIN WATER GOODS</u>				
	<u>Roof covering</u>				
	<u>Gauge 28 prepainted resin coat IT5 roofing sheets; colour as selected by Architect; fixed with self-drilling fasteners to timber purlins; allow foam fillers to open eaves and ridge</u>				
A	Roof covering not exceeding 30 degrees from the horizontal	225	SM		
B	Ridge cap in matching materials	17	LM		
C	150x50mm ridge board	17	LM		
	<u>CARPENTRY</u>				
	<u>Structural timbers</u>				
	<u>All timber to be sawn cypress of G.S grade seasoned to an equilibrium moisture content between 9% and 15% and to a requirement of K.S 02771 of 1991 treated with approved wood preservative.</u>				
D	150 x 50mm King post	27	LM		
E	Ditto tie beam	132	LM		
F	100x50mm trussed rafters	157	LM		
G	Ditto Tie or strut	236	LM		
H	75 x 50mm purlin/battens	222	LM		
J	100 x 50mm Wall plate bedded in cement : sand (1:3) mortar secured to reinforced concrete ring beam (m/s) by mild steel 16mm diameter anchor bolts at 1000mm centres	32	LM		
	<u>Boarding</u>				
	<u>Wrought cypress, prime grade, pressure impregnated</u>				
K	225 x 25mm thick Fascia or barge boards	61	LM		
	<u>Painting and decorating</u>				
	<u>One undercoat and two coats oil paint full gloss finish to crown paints or equal and approved</u>				
L	Timber surfaces 200 to 300mm girth external	61	LM		
	Total Roofing Carried to Summary				

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ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5</u>				
	<u>DOORS</u>				
	<u>Joinery</u>				
	<u>Frames; Wrot Cypress; prime grade</u>				
A	150 x 50mm rebated frame with three labours	17	LM		
B	Ditto transom	3	LM		
C	50x20mm Architraves	17	LM		
D	15 x 15mm quadrant	17	LM		
E	Glazing beads	7	LM		
	<u>Timber doors</u>				
	<u>50mm thick solid core flush door to B.S 459: Part 2; faced both sides with 3mm thick mahogany veneer on and including blockboard infill; lipped on all edges with 10mm thick wrot mahogany; stained</u>				
F	Door overall size 900 x 2100mm high	3	NO		
	<u>Steel doors</u>				
	<u>Purposed made mild steel doors complete with pin type hinges; welded smooth; all necessary ironmongery to approval; one coat red oxide painted; comprising 50 x 50 x 3mm thick RHS external frame fishtail grouted into concrete/block/masonry walling; 50 x 50 x 3mm R.H.S horizontal intermediate frames welded onto and including 50 x 50 x 3 mm RHS surround frame at 300mm centres; 25 x 3 mm thick flat door stopper with and including for 25x25x 2mm SHS beading; door leaf infilled with 2mm thick pressed metal panels profiled to form panels welded; all welding, grounding to a smooth finish including for priming door with one coat red oxide primer; pointed internally and externally with approved mastic sealant</u>				
G	Door overall size 1200 x 2400mm welded complete with 5 - lever mortice lock and 3 No. tower bolts in double leaf	2	NO		
	Total Carried to collection				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Glazing</u>				
A	4mm thick clear sheet glass and glazing with putty to casement door in panes 0.10m - 0.05m squared	1	SM		
B	Ditto to timber door fanlight	1	SM		
	<u>Ironmongery</u>				
	<u>Supply and fix the following :-</u>				
C	Steel butt hinges 100mm	5	PRS		
D	225 x 25 x 3mm thick door fixing cramps one end bent and twice screwed to frame and the other end fanged and built into blockwork	18	NO		
E	Rubber door stops fixed to wall or floor with screws	7	NO		
F	Three lever mortice lock catalogue No. 2237 complete with set lever handle furniture	3	NO		
	<u>Painting and decorating</u>				
	<u>Prepare and apply one coat etching primer two undercoats and one coat oil paint full gloss furnish to metal work</u>				
G	General surfaces of steel doors (both sides measured overall)	17	SM		
H	General wood surfaces externally and internally	13	SM		
J	Wood surfaces 200 - 300mm girth externally	20	LM		
K	Ditto 0 - 100mm girth	34	LM		
	Total Carried to collection				
	<u>COLLECTION</u>				
	Brought forward from Page 9				
	Brought forward from above				
	Total Doors carried to Summary				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 6 WINDOWS Metal work Purpose made units Casement mid hang window with horizontal pivots; standard metal casement sections, permanent ventilators comprising T-bar gauze wire and metal hood to fill width of window, but 100mm deep one coat primer by manufacturer; complete with all necessary ironmongery, steel for glazing with putty, cutting and pinning lugs to concrete or blockwork, fixing to head and sill with screws and plugging. Overall size 1500×1200 mm high	12	NO		
B	Glazing 4mm thick clear sheet glass and glazing to metal with putty and including setting of edges of glass in wash leather in panes n.e 0.1m²	22	SM		
C	Painting and decorating One undercoat, two coats oil paint gloss finish as crown paints or other equal and approved catalogue Metal window surfaces generally internally and externally	44	SM		
	Total Windows carried to summary				

**PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN
ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 7</u>				
	<u>FINISHES</u>				
	<u>External finishes</u>				
	<u>Render</u>				
	<u>15mm thick cement:sand (1:3) render finished with woodfloat to:</u>				
A	Concrete/masonry surfaces to receive exterior paint work (measured separately)	30	SM		
B	Ditto gable wall end façade	25	SM		
	<u>Painting and decorating</u>				
	<u>Prepare and apply -2no. coats Anti-Algae priming coat on exposed wall surfaces as per the manufacturers specifications and -3no. coats Wheather Guard paint as manufactured by Caparol or equivalent quality to:</u>				
C	Rendered concrete surfaces externally	30	SM		
D	Ditto gable wall end façade	25	SM		
	<u>Key pointing</u>				
E	12 X 12mm cement and sand(1:3) mortar horizontal recessed pointing to natural stone walling	94	SM		
	<u>Internal finishes</u>				
	<u>Ceiling finishes</u>				
F	12mm thick softboard "celotex" sheet fixing with nail heads punched and puttied, butt vee joints set to pattern, on and including 75x50mm main brandering at 1200mm centres both ways and 50x50mm secondary brandering at 600mm centres bothways	137	SM		
G	Extra over ceiling for trap door size 600 x450mm complete with framing.	2	NO		
	<u>Cypress, prime grade, pressure impregnated.</u>				
H	50x 75mm wide moulded cornice plugged to wall and nailed to ceiling finish.	81	LM		
	Total Carried to collection				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Prepare and apply one undercoat; one skimming coat; two finishing coats first quality matt emulsion paint from an approved supplier (approval by the project Architect); application strictly to supplier's written instructions; to:-</u>				
A	Celotex ceiling surfaces	137	SM		
B	Timber surfaces; girth not exceeding 100mm	81	LM		
	<u>Wall finishes</u>				
	<u>Plaster; 9mm thick first coat of cement and sand (1:6); 3mm second coat fo cement and lime putty (1:10); steel trowelled smooth</u>				
C	12mm thick to concrete or masonry walls	203	SM		
	<u>Prepare and apply one undercoat; one skimming coat; two finishing coats of first quality matt emulsion paint from an approved supplier approval by the architect on:</u>				
D	Plastered walls (m.s)	203	SM		
	<u>Floor finishes</u>				
	<u>Screed</u>				
	<u>Cement : sand (1:3) wood floated screeds, backings, beds;</u>				
E	32mm thick to receive non slip ceramic tiles (measured separately)	162	SM		
	<u>Ceramic floor tiles</u>				
	<u>Saj ceramic tiles or other equal and approved ceramic tiles to B.S. 1281; local; non-slip friction resistant coloured ceramic tiles to regular or approved B.S.1281 other pattern; jointed and pointed in coloured proprietary grouting to match; only ceramic tiles to walls on prepared bed (m.s) with propriety adhesive; jointed including pvc spacers, joint trims and expansion joint as necessary: all to Architect's approval: to;</u>				
F	Floors generally; 300x300mmx8mm thick	162	SM		
G	20x100mm high ceramic tile skirting with rounded junction with wall finish and coved junction with floor internal	97	LM		
	Total Carried to collection				
	<u>COLLECTION</u>				
	Brought forward from page 12				
	Brought forward from above				
	Total Finishes carried to Summary				

**PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN
ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 8</u>				
	<u>LABORATORY FITTINGS AND FIXTURES</u>				
	<u>Worktops</u>				
	<u>Vibrated reinforced concrete class 20/20 (1:2:4)</u>				
A	75mm thick suspended worktop	35	SM		
	<u>Sawn formwork to:</u>				
B	Soffits of suspended worktop	35	NO		
C	Edges of suspended worktops not exceeding 75mm high	84	LM		
D	Box out formwork to form sink opening size 450x450mm	20	NO		
	<u>Fabric; B.S 4483</u>				
E	Reference A142; mesh 200 x 200 mm weight 2.22 kgs per square meter (Measured net - no allowance made for laps); including bends, tying wire and distance blocks in any location	35	SM		
	<u>Natural hard machine cut stone; selected and approved; in walling with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar in 200mm, course height; reinforcement with and including 25mm wide x 20 gauge hoop iron and column wall ties at every alternate course as described in;</u>				
F	100mm thick dwarf walls	29	SM		
	<u>Worktop finishes</u>				
	<u>Plaster; 15mm cement / sand : steel trowelled to:</u>				
G	Masonry walls	58	SM		
	<u>Prepare surfaces : apply three coats gloss oil paint or other equal approved : on steel trowelled plaster : to</u>				
H	Plastered masonry walls	58	SM		
	<u>Plastered masonry walls</u>				
J	Supply and deliver of standard laboratory stools to Engineer's approval	45	NO		
	Total carried to collection				

**PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN
ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Screed</u>				
	<u>Cement : sand (1:3) wood floated screeds, backings, beds;</u>				
A	32mm thick to receive ceramic tiles (measured separately)	35	SM		
	<u>Ceramic tiles</u>				
	<u>Saj ceramic tiles or other equal and approved ceramic tiles to B.S. 1281; local; non-slip friction resistant coloured ceramic tiles to regular or approved B.S.1281 other pattern; jointed and pointed in coloured proprietary grouting to match; only ceramic tiles to walls on prepared bed (m.s) with propriety adhesive; jointed including pvc spacers, joint trims and expansion joint as necessary: all to Architect's approval: to;</u>				
B	Worktops generally; 300x300mmx8mm thick	35	SM		
	<u>Store shelves</u>				
C	50x25mm wrot hardwood shelf bearers	36	LM		
	<u>The following in shelves, sides, dividers, back, top and bottom; moulded oak veneered MDF fascias and doors, complete with Malpha hinges, viro make cylinder lock and handles and all accessories</u>				
D	20mm thick laminated MDF lipped at all edges	24	SM		
	Total carried to collection				
	<u>COLLECTION</u>				
	Brought forward from page 14				
	Brought forward from above				
	Total Laboratory Fittings carried to Summary				

PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY Substructures Reinforced Concrete Walling Roofing Doors Windows Finishes Fittings and fixtures				
Total Builders work Carried to Grand Summary					

**PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN
ELEVATED WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PRIME COST AND PROVISIONAL SUMS</u>				
	<u>Prime cost sums</u>				
	<u>Elevated water tank</u>				
A	Provide a prime cost sum of Kshs Two Hundred Thousand (200,000.00) only for supply and installation of a 2300Ltr capacity water tank including its associated accessories and elevated steel water tank base to Structural Engineer's approval				
	<u>Mechanical works</u>				
B	Provide a prime cost sum of Kshs Seven Hundred Thousand (700,000.00) only for mechanical installation works including plumbing, drainage, supply and installation of gas chamber, fume chamber, soakpit, fire fighting installations, fittings, connection to existing water source and all associated works as directed by the Engineer on site.				
	<u>Electrical works</u>				
C	Provide a prime cost sum of Kshs Two Hundred Thousand (200,000.00) only for electrical installation works and all associated works as directed on site				
	<u>Provisional sums</u>				
D	Provide a prime cost sum of Kshs One Hundred and Three Thousand, One hundred and fifty (103,150.00) only for Engineer's supervision and expenses				
E	Provide a prime cost sum of Kshs Two Hundred and Fifty Seven Thousand, Eight hundred and seventy five (257,875.00) only for Engineer's supervision and expenses				
Total Prime Cost and Provisional Sums carried to Grand Summary					

**PROPOSED CONSTRUCTION OF A SCIENCE LABORATORY AND INSTALLATION OF AN ELEVATED
WATER TANK AT NAIVASHA HIGHWAY SECONDARY SCHOOL**

GRAND SUMMARY				
ITEM	DESCRIPTION	Page No.	For Official use only	For Tenderers use only
A	Builders work	15		
B	Prime Cost & Provisional Sums	PC/PS 1		
	Sub total			
	Add 0.03% PPRA			
TOTAL CARRIED TO FORM OF TENDER (INCLUSIVE OF ALL TAXES): KSHS				

Contract Period.....weeks

Amount in words: Kenya Shillings.....

.....

.....

Tenderer's Name.....

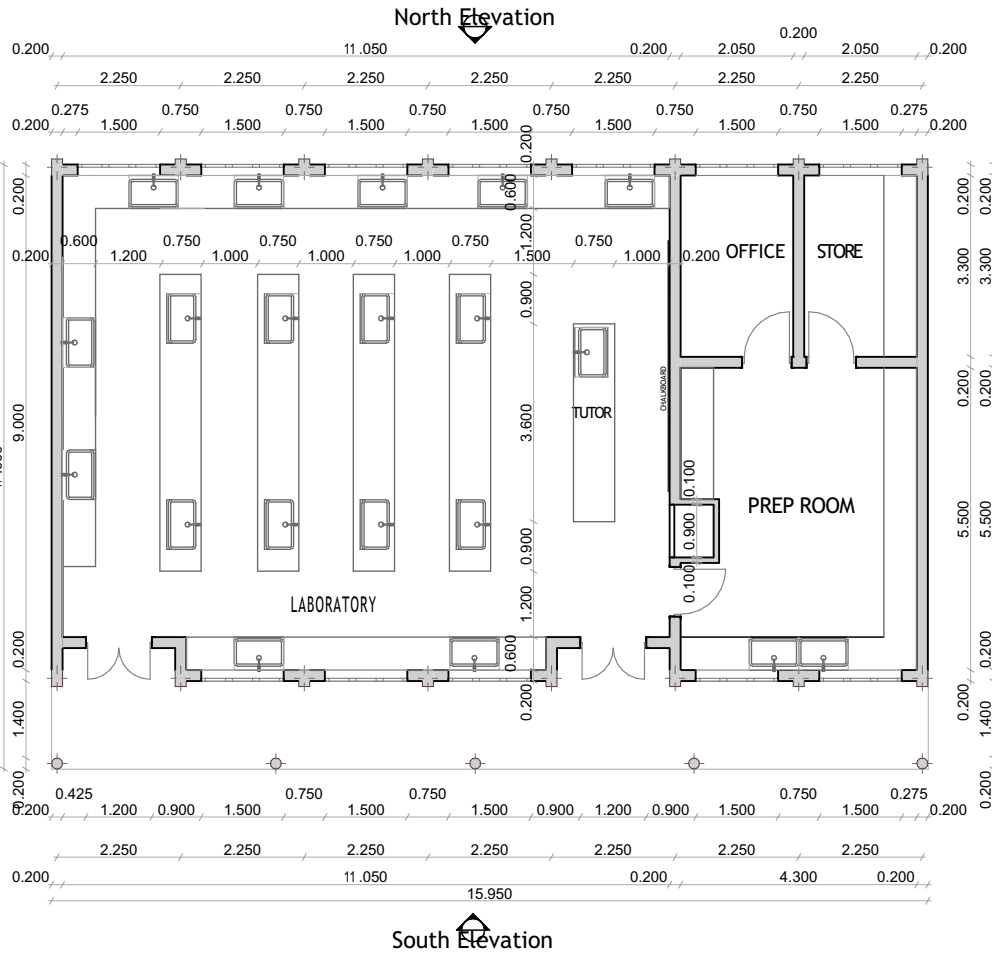
Address.....

Date Signature and stamp.....

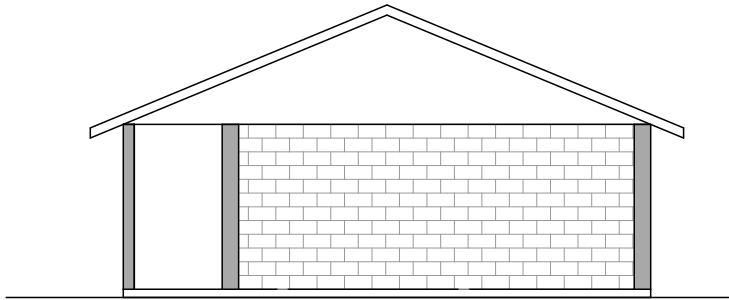
Witness Name.....

Address.....

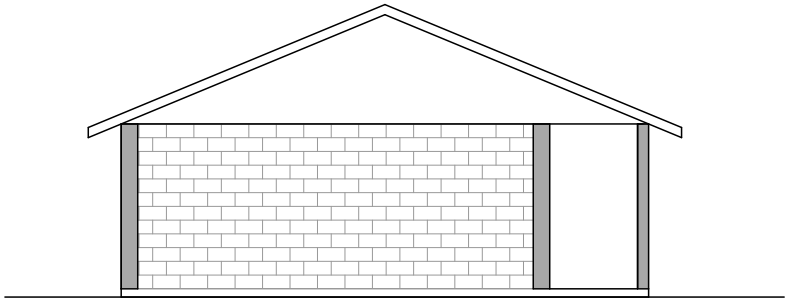
Date Signature.....



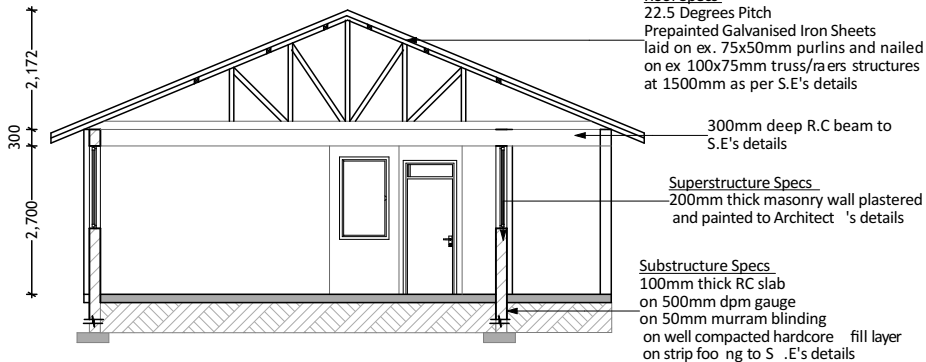
Ground Floor Plan



East Elevation



West Elevation



Section S-01

NOTES

GENERAL
All dimensions are in mm unless otherwise specified.
Drawings are not to be scaled. Only figured dimensions to be used.
The contractor must check and verify all the dimensions before commencement of work.
Any discrepancies to be clarified with the Project Architect.

CIVIL
All slab at ground level to be cast over 1000 gauge polythene sheet on 50mm thick murrum blinding on hardcore.
All soil under slab around and under foundation to be treated for termite control.
All soil on cut embankment to be stabilized. The slope not to exceed 45 degree.
Depth of foundation to be determined on site to S.E's approval.
All walls to be reinforced with loop iron at every alternate course.
All adjacent R.C. work and masonry walls to be tied with loop iron at every alternate.
All black cotton soil to be removed from all buildings and paved surfaces.

MECHANICAL
All plumbing & drainage work to comply with P.H. specifications.
All service ducts to be accessible from all floors.
S.V.P. denotes soil vent pipes and to be provided at the head of the drainage.
Drains passing beneath buildings and driveways should be encased in 150mm concrete surround.
All underground foul & waste drain pipes shall be of P.V.C. to comply with BS5255.
All inspection chamber covers and frames shall be cast iron to comply with BS457 Table 2 Grade A.
The storm water drain pipes to comply with BS 556.
Minimum slope in drain pipes to be 1%.
No Chases for pipes will be allowed in the slabs.
Sleeves will be allowed with written approval from the SE.
No cutting of concrete without express approval from the Architect or SE.
All testing of pipes must be coordinated with electrical conduits and any conflicts must be clarified before work begins.
P.V. denotes - permanent vents.

FLOOR FINISHES
General Floor Surfaces
40mm Cement sand screed laid on concrete floor bed - 600x600x15mm Granite Tiles on cement screed laid with chess board pattern. Flush joints, 300 x 300 x8 mm Porcelain tiles bevel joint edge. 3mm spacers filled with proprietary grouting with anti-algae and anti-fungal property.

WALL FINISHES
Internal Wall surfaces - General
-12mm cement lime plaster for painted surfaces -12mm cement/sand plaster for tiled surfaces.
-Washrooms Ceramic Tile color to architects approval, max 2mm space filled with proprietary antialgae and anti-fungal grouting.
External Wall Surfaces
-15mm Cement/sand render on all external walls.

DECORATIONS
Internal Wall surfaces
-1no. Priming undercoat to manufacturers specs
-3no. finishing coats - vinyl Silk as manufactured by Caparol Paints or equivalent on clean wall surface free of dust, algae, and undulations.
On raw Metal Works
-1no. priming coat in red oxide anticorrosion paint
-3no. finishing coats in oil paint color to architects approval.
Hardwood Surfaces
-Priming seal on well sanded and smooth surfaces and 2no. coats eggshell finish Polyurethane Varnish.
External Walls
-2no. coats Anti-Algae priming coat on exposed wall surfaces as per the manufacturers specifications.
-3no. coats Weather Guard paint as manufactured by Caparol or equivalent quality.

WINDOWS
- Powder Coated Aluminium profiled roller sliding windows including glass panel, mosquito sash and ironmongery all to approved specifications.
- 6mm plain sheet glass panels.
- lock of approved quality.
- Mosquito sash including all accessories for appropriate installations.

DO NOT SCALE

DATE APPROVED	DATE	DATE
	June 2026	June 2026
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	June 2026	June 2026

ARCHITECT

Arch. L. Mukhwana

PROJECT

Proposed Laboratory

CLIENT

NG - CDF NAIVASHA CONSTITUENCY,
P.O Box 1918-20117
Naivasha

DRAWING TITLE

Floor Plan, Elevations and Sections

APPROVED

ARCH. I.M. KIBAARA

REGIONAL WORKS OFFICER

State Department for Public Works

APPLICATION

UNIT

SERIES

NO. LOCK

SCALE

PROJECT ARCHITECT

CHECKED

DATE

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