

HAJI YUSSUF GIRLS' DAY SECONDARY SCHOOL

P.O BOX 101-70300, MANDERA

TELEPHONE: 0726948012

EMAIL: hyussufgirls@gmail.com

MOTTO: ENTER TO LEARN - LEAVE TO SERVE

21/01/2025

TO,

THE FUND MANAGER,

NG-CDF MANDERA WEST.

P.O.BOX 254-70300, MANDERA.

Dear Sir,

RE: REQUEST FOR CO- FUNDING

In the FY 2023/2024, the ministry of education (MoE) through infrastructure transitional grant (ITG) gave the school Ksh 2,000,000 to construct 2No classrooms to completion. The Board of Management (BOM) felt that the school had enough classrooms and decided to divert the same fund for the construction of 1No science lab to a roofing level as per the need of the school and seek for co-funding from CDF and other well-wishers for completion.

The BOM of the school therefore wishes to make a formal request to NG-CDF Mandera West for the completion of the Lab through co-funding.

Thank you for your continued support.

Yours sincerely,

SECRETARY BO...
HAJI YUSSUF GIRLS' DAY SEC. SCHOOL
P.O. Box 101-70300, MANDERA

Sign:.....Date:.....

PRINCIPAL(BOM SECRETARY)

COUNTY DIRECTOR OF PUBLIC WORKS MANDERA COUNTY

REPUBLIC OF KENYA

P O. Box 49 - 70300, MANDERA





MANDERA COUNTY GOVERNMENT
MINISTRY OF ROADS, TRANSPORT & PUBLIC WORKS
DEPARTMENT OF PUBLIC WORKS

PROPOSED COMPLETION OF INO. LABORATORY BLOCK

AT

Haji Yussuf girl's day Secondary School

Mandera West Sub County

TENDER DOCUMENTS

Prepared by:	Issued by:
Sub-County Works Officer, Mandera West Sub County, Department of Public Works, P.O Box 49,	Principal/Secretary, Haji Yussuf girl's day Secondary School, Min. of Education (Infrastructure) P.O. Box 101-70300,
MANDERA.	<u>MANDERA</u>

BILL No. 1 PRELIMINARIES

BILLS OF QUANTITIES FOR THE PROPOSED COMPLETION OF LABORATORY BLOCK AT HAJI YUSSUF GIRLS DAY SECONDARY SCHOOL

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BILLS OF QUANTITIES FOR THE PROPOSED LABORATORY BLOCK AT HAJI YUSSUF GIRLS DAY SECONDARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 1: DOORS HARDWOOD				
	45mm thick framed, panelled door of approved				
	design comprising of 100x45mm top rail and stiles,				
	100x25mm middle rail and braces and 200x45mm				
	bottom rail as described below:				2500000
A.	2- leaf Door size 1500 x 2100mm high with 300mm	2	NO.	18,000	36,000.00
	fixed-light				
B.	Ditto size 900 x 2100 mm fixed-light 300mm high.	1	NO.	12,000	12,000.00
C.	Door size 900 x 2100mm solid core flush doors				_
		1	NO.	8,000	8,000.00
	WROT CYPRESS:				_
	150 x 50mm frame with two labour				-
D.		40	L.M	500	20,000.00
	32 x 60mm architrave				-
E.	32 11 00111111 11 01111111	40	L.M	300	12,000.00
	12mm quadrant	, ,			_
F.	IRON MONGERY	40	L.M	250	10,000.00
1.	SUPPLY AND FIX THE FOLLOWING IRON	, ,	2.111		_
	MONGERY WITH MATCHING SCREWS				_
	AND FURNITURE:				_
	100mm pressed steel butt hinges	9	PRS	200	1,800.00
G.	100mm pressed steel butt liniges		110		_
0.	3 lever mortice lock 'Union' type	3	NO.	4,000	12,000.00
H.	siever mortiee loek Omon type	,	110.		_
11.	3 lever rebated mortice lock 'Union' type	1	NO.	4,500	4,500.00
I.	3 level repared mortice lock official type	1	110.		-
1.	38mm diameter rubber door stop fixed to floor				_
т .	with rawl bolt.	6	NO	200	1,200.00
J.		0	NO		-
	PAINTING Prime back of frame before fixing not exceeding				-
K.	100mm girth.	40	LM	30	1,200.00
IX.	Knot, prime, stop and apply two undercoats and	70	LIVI		_
	one finishing coat of gloss oil paint on				_
	woodwork:				_
	External On:	20	SM	400	8,000.00
т .	General surfaces	20		200	17,200.00
L.	Surface not exceeding 100mm girth	86	LM		_
M.	Internally On:	20	CM	400	8,000.00
N.T.	General surfaces	20	SM	400	34,400.00
N.	Surfaces not exceeding 100mm girth	86	LM		
P.					
	TOTAL ELEMENT NO. 1 – DOORS CARRIED				186,300.00
	TO SUMMARY PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 2 WINDOWS				
A.	150 x 50mm wrot cypress window frame plugged to walls	63	L.M	500	31,500.00
В.	25 x 25mm Quadrant.	28	L.M	50	1,400.00
C.	40 x 20mm softwood Beadings.	63	LM	100	6,300.00
D.	40 x 20mm Architrave.	28	LM	100	2,800.00
E.	Weld mesh fixed to window frame with timber beading.	23	S.M	400	9,200.00
F.	Coffee tray wire ditto	23	S.M	450	10,350.00
G.	8No. louver frame NACO jamb carrier in aluminium.	11	PRS	1,500	16,500.00
H.	Ditto but for 10 louvers. 5mm thick 150mm wide 600mm long louver blade	15	PRS	1,800	27,000.00
I.	Prepare and apply three coats high gloss crown paint on timber surfaces generally.	221	NO	800	176,800.00
J.	1.8 m long pelmet boxes complete with "I" section	11	SM	350	3,850.00
K	and rollers with curtain tracks.	8	NO	3,000	24,000.00
	TOTAL ELEMENT NO. 2 WINDOWS CARRIED	TO SUM	IMARY		309,700.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.			
A.	ELEMENT NO. 3: FINISHES FLOORS CEMENT AND SAND (1:4) PAVING. 25mm floor screed with red oxide.	94	S.M	450	42,300.00			
A.	23mm noor screed with red oxide.	94	3.IVI	430	42,300.00			
В.	20x100 high skirting trowelled smooth with top edge and smooth angle junction with floor. WALLS:	49	L.M	150	7,350.00			
C.	EXTERNAL: - 20mm external rendering finish to walls externally.	80	S.M	400	32,000.00			
D.	INTERNAL: - 20mm lime (1:2:4) plaster finish to walls internally CEILING	149	S.M	400	59,600.00			
Е	12mm thick celotex ceiling lining on 75 x 50mm ceiling joist and 50 x 50mm brandering at 600mm centre to	94	SM	,,,,	-			
	centre	94	SM	1000	94,000.00			
F	50x50mm cypress brandering	359	LM	250	89,750.00			
G	Ditto plugged	49	LM	200	9,800.00			
Н	75 x 75mm moulded cornice	60	LM	150	9,000.00			
I	Prepare and apply three coats distemper plastic paint on ceiling internally	94	SM	300	28,200.00			
J	Introduce a trap door 600 x 600mm including framing all rounds. PAINTING AND DECORATING	2	NO	1500	3,000.00			
	PREPARE AND APPLY THREE COATS FIRST GRADE PLASTIC EMULSION PAINTS ('CROWN' OR OTHER APPROVED): EXTERNAL ON							
K	EXTERNAL ON: Rendered walls	80	S.M	300	24,000.00			
L	INTERNALLY ON: Plastered walls	149	S.M	850	126,650.00			
M	FITTINGS Allow for 600mm wide shelving (stores)	-	ITEM		30,000.00			
	TOTAL ELEMENT NO. 3 – FINISHES CARRIED TO	SUMN	IARY		555,650.00			
	I D/02							

ELEMENT NO. 4: LABORATORY FITTINGS

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS
	FUME CUPBOARD	-			
A	Supply, deliver and install a Fume Cupboard of exterior				
	dimensions of 1200mm wide x 1000mm deep x 2400mm				
	high. Fume Cupboard to be complete with sliding plexiglass				
	face with a 12" work opening running full width of cabinet,				
	counterbalance weight at the back, base cabinet with sliding				
	doors, an 8" diameter exhaust collar connections, overhead				
	instrument control panel, and shall incorporate a				
	Vulcathene Sink, L.P. gas outlet and a non-corrosive				
	bulkhead light. Fume Cupboard to be lined with epoxy				
	coated Aluminium on working surface and sides.				
	Fume Cupboard to be as 'Nimrod F 3000" or equal and				
	approved equivalent				
	FUME CUPBOARD EXTRACT FAN	1	NO	30,000	30,000.00
В	Supply, deliver and install a Fume Cupboard extract fan				30,000.00
	capable of $0.4 \text{m}^3/\text{s}$ against a system pressure drop of 50N/m^2 .				
	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 a manual overide in the plant room, flexible connections				_
	anti-vibration mountings, supports. Fan to be as "WOODS"				_
	fume cupboard fan size 12" running at 1400 RPM or equal				_
	and approved equivalent.	1	NO	20,000	20,000.00
	FUME CUPBOARD EXTRACT DUCTWORK				20,000.00
	Supply, deliver and install 200mm diameter uPVC				_
	ductwork for the fume cupboard above.				_
С	200mm diameter uPVC pipework class 'D'	12	LM	1,000	12,000.00
D	Holder bats for 200mm diameter pipework	4	NO	500	2,000.00
Е	200mm diameter Bends	2	NO	1,000	2,000.00
_					_
F	200mm diameter ventilating Cowls	1	NO	800	800.00
		,	210		-
G	Weathering Slate for 200mm Ø pipe	1	NO	600	600.00
тт	411 6				-
Н	Allow for construction of fume chamber side walls, sliding		ITE: (-
	doors with fixed pulley and all other accessories.	_	ITEM	50,000	50,000.00
т	411 6 1				-
Ι	Allow for the construction of gas cubicle side walls, concrete		ITEM	50.000	-
	top including 1500mm wide steel door (2 leaves) as per		ITEM	50,000	50,000.00
	approved design.				
TOTAL	FOR LABORATORY FITTINGS CARRIED TO COLLECTION	ON			167,400.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS
	Fume Cupboard Extract Ductwork cont.				2,000.00
A	Weathering Apron for 200mm Ø pipe.	1	NO	2,000	2,200.00
В	Neoprene Fan connections.	1	NO	2,200	2,200.00
С	Supports and Anti vibration mountings for the fan and any	1	ITEM	2,200	-
	other necessary items				-
					-
	Water Supply				27,000.00
D	Control valve as Vultex Labline Ref. No. VL 2105	18	NO	1,500	_
					_
Е	Bench mounting outlet complete with backnut, spout as				27,000.00
	Vultex Labline Ref. No VL 2107/D	18	NO	1,500	_
					_
F	Allow for 1000 mm long 12mm diameter copper tube and				21,600.00
	nuts	18	NO	1,200	_
					_
	Water Storage Tank				_
G	Supply and install 2000 litre capacity complete with all				20,000.00
	fittings including 3.0M high steel tower.	1	NO	20,000	_
					_
	Gas Supply				27,000.00
Н	Control Valve as Vultex Labline ref No. VL 2109	18	NO	1,500	_
					_
J	Bench mounting gas outlet complete with backnut and				27,000.00
	nozzles as Vultex Labline Ref. No. VL 2110/D	18	NO	1,500	_
					5,400.00
K	Allow for 100mm long 6mm diameter copper tube with nuts	18	NO	300	_
					_
	Drainage				_
L	1 1/4" diameter waste complete with integral grating,				-
	removable chained plug and backnut as Vulcathene Ref. No.	18	NO	1,000	18,000.00
	504.				-
					-
M	2.3 litres anti-siphonic dilution recovery trap.	6	NO	2,000	12,000.00
	-				-
N	Allow for a circular Drip Cup moulded with an internal				-
	grating and complete with backnut. As Vulcathene Ref. No.	6	NO	1,000	6,000.00
	500.				-
					-
	Testing and Commissioning				-
P	Allow for setting to work, testing and commissioning.	1	ITEM	10,000	10,000.00
	Table and described at 1 1 and				207 400 00
	Total carried to collection below				207,400.00
	COLLECTION				
	COLLECTION Tetal a serial frame and LP/04				167 400 00
	Total carried from page LB/04				167,400.00
	Total assist described				207,400.00
	Total carried down from above				201,100.00
TOTAL	FOR ELEMENT NO.4: LABORATORY FITTINGS CARRIE	D TO S	UMMAR	Y	374,800.00

ELEMENT NO. 5: LABORATORY L.P. GAS INSTALLATION

Item	Description	Qty	Unit	Rate	Amount
	LABORATORY L.P. GAS INSTALLATION	- /			
A.	L.P gas cylinder of capacity 13Kg	2	No.	20,000	40,000.00
B.	L.P Gas supply	13	Kg	1,000	13,000.00
C.	25mm diameter GMS class B pipe	50	Lm	400	20,000.00
D.	50mm diameter GMS class B pipe for sleeve	28	Lm	2,000	56,000.00
E.	50mm diameter GMS bend	6	No.	600	3,600.00
F.	25mm diameter GMS bend	6	No.	300	1,800.00
G.	25mm diameter GMS tee	6	No.	300	1,800.00
H.	25 x 15mm diameter GMS reducer	10	No.	200	2,000.00
I.	L.P Gas pressure gauge	1	No.	10,000	10,000.00
G.	50mm diameter GMS manifold pipe with 3 No. branches tappings to gas cylinders complete with mounting plugs			10,000	-
	tappings to gas cymiders complete with mounting plugs	1	No.	800	10,000.00
	Copper tubing				
I.	6/8 dia copper tubing	50	Lm	1,200	40,000.00
J.	8/10 ditto	28	Lm	1,500	33,600.00
K.	10/12 ditto	27	Lm	450	40,500.00
	EXTRA OVER COPPER TUBING FOR THE FOLLOWING FITTINGS:			450	-
L.	6/8mm diameter Brass Equal Tee	18	No.	500	8,100.00
M.	8/10mm ditto	9	No.	600	4,500.00
N.	10/12mm ditto	8	No.	600	4,800.00
O.	8/10 x 6/8 diameter brass unequal Tee	18	No.	700	10,800.00
P.	10/12 x 8/10 ditto	9	No.	700	6,300.00
Q.	10/12 x 8/10 mm diameter Brass reducer	8	No.	700	5,600.00
R.	8/10 x 6/8mm ditto	8	No.		5,600.00
	Total carried to collection				318,000.00
L	I R/6		L	L	

Item	Description	Qty	Unit	Rate	Amount
A.	Gas Valves 6/8 mm diameter approved quarter turn, lever operated ball valve to BS 5154 and joints to copper	2	No.	1,800	3,600.00
В.	Pressure Regulator 15mm diameter First stage gas pressure regulator as Rego 2403 V.9 complete with connections and brackets for 3 No. gas cylinder Tanks	1	No.	4,800	4,800.00
C.	15mm dia second stage gas regulator as Rego 2503 B for the supply pipe	1	No.	2,200	2,200.00
D.	Gas Outlet (Tap) Low pressure LP gas outlet with safety drop lever to prevent accidental "turn on" 2 CFM at 2 P.S.I 4mm diameter outlet and ¼ BSP tail with backnut. The outlet shall be as Vultex Labline 2 way bench mounted with 2 cocks spaced at 900 angle Model No. VL 2601/D	6	No.		4,800.00
E.	Bunsen Burner Bunsen burner to use the L.P Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd ref BYB -045 R or equal and approved	S	No	800	-
F	12mm diameter 600mm long gas hose pipe to fit	10	No.	2,200	22,000.00
G.	Testing and commissioning	1	Item	3,000	3,000.00
	Total carried to collection below				42,400.00
	COLLECTION				318,000.00
	Total carried from page LB/6				42,400.00
	Total carried down from above				,,:33.00
	TOTAL FOR ELEMENT NO.5: LABORATORY LP GAS INSTALLATION CARRIED TO SUMMARY				360,400.00

ELEMENT NO. 6: PLUMBING AND DRAINAGE SYSTEM

A Laboratory Water Tape B Laboratory Sinks – Sing C Bottle Traps D P.V.C. Pipes E P.V.C. Ts (Tees) F P.V.C. Elbows G P.V.C. Plugs H PPR Pipes 12mm J PPR Bends K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions		QTY	UNI T	RATE	SHS		
A Laboratory Water Tape B Laboratory Sinks – Sing C Bottle Traps D P.V.C. Pipes E P.V.C. Ts (Tees) F P.V.C. Elbows G P.V.C. Plugs H PPR Pipes 12mm J PPR Bends K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain	RAINAGE SYSTEM		1				
B Laboratory Sinks – Sing C Bottle Traps D P.V.C. Pipes E P.V.C. Ts (Tees) F P.V.C. Elbows G P.V.C. Plugs H PPR Pipes 12mm J PPR Bends K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain		15	NO	1,500	22,500.00		
D P.V.C. Pipes E P.V.C. Ts (Tees) F P.V.C. Elbows G P.V.C. Plugs H PPR Pipes 12mm J PPR Bends K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain	Sinks – Single Bow(vulcathene)		NO	4,000	60,000.00		
E P.V.C. Ts (Tees) F P.V.C. Elbows G P.V.C. Plugs H PPR Pipes 12mm J PPR Bends K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain		15	NO	1,500	22,500.00		
F P.V.C. Elbows G P.V.C. Plugs H PPR Pipes 12mm J PPR Bends K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain		15	LM	500	7,500.00		
G P.V.C. Plugs H PPR Pipes 12mm J PPR Bends K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain		15	PCS	200	3,000.00		
H PPR Pipes 12mm J PPR Bends K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain		10	PCS	200	2,000.00		
J PPR Bends K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain		2	PCS	200	400.00		
K PPR Elbows L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain		24	LM	200	4,800.00		
 L PPR Sockets M G.I. Nipples N PPR Unions O Allow for external drain 		14	PCS	200	2,800.00		
M G.I. NipplesN PPR UnionsO Allow for external drain		6	PCS	100	600.00		
N PPR Unions O Allow for external drain		12	PCS	100	1,200.00		
O Allow for external drain		14	PCS	100	1,400.00		
		3	PCS	150	450.00		
	inage works (Soak pit, pipe work	-	ITEM	50,000	50,000.00		
TOTAL EOD ELEMENT NO 6, DI LIMPING AND DE AINA CE EVETEM CARRIED TO							
SUMMARY	FOTAL FOR ELEMENT NO.6: PLUMBING AND DRAINAGE SYSTEM CARRIED TO SUMMARY						

ELEMENT NO.7: BENCHES AND STOOLS

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS
A	SIDE BENCHES Wooden top covered with formica top and metal frame STUDENT BENCHES	14	LM	8,000	112,000.00
В	Size 4400X750mm Made of block board wood covered with formica top and metal frame DEMONSTRATION BENCH	2	PSC	20,000	40,000.00
С	Size 4000X750mm Made of block board covered with formica top and metal frame LABORATORY STOOLS	1	PCS	20,000	20,000.00
D	Made of metal frame and wooden top 300x300x600mm high	45	PCS	1,200	54,000.00
	COUNTY DIRECTOR OF PUBLIC V MANDERA COUNTY	ORKS			
	P O. Box 49 - 70300, MANDERA				
	James Signi				226,000.00
Т	TOTAL FOR ELEMENT NO.7 BENCHES & STOOL C.	ARRIED TO) SUMMA	RY	

ELEMENT NO. 8: ELECTRICAL WORKS

ITEM	DESCRIPTION	QTY	UNI	RATE	SHS	
			T			
	Supply, install, test and commission the following: -					
,	LIGHTING POINTS					
A	Lighting points wired in 3 x 1.5 mm single core (SC-PVC-CU) cables					
	in 20mm diameter PVC heavy gauge (HG) conduit concealed inside					
	ceiling complete with all necessary accessories excluding switches					
	and fittings for:					
	1. One gang switching	5	No	2,000	10,000	
	2. Two gang switching	9	No	2,000	18,000	
В	10A moulded Ivory switch plates as Crabtree or approved equivalent				-	
D	as follows:					
	1. One gang one way	3	No	400	1.200.00	
	2. One gang two way	2	No	250	1,200.00 500.00	
	3. Two gang two way	2	No	300	600.00	
	<u>LIGHTING FITTINGS:</u>	_		300	-	
С	Light fittings complete with fixing accessories and lamps as follows:				-	
	1. 1200mm 1x36W Fluorescent batten fitting of slim				~	
	cross section with clip-on cover plate and adjustable				-	
	end cap system as "Thorn Popular Pack Batten"					
		6	No	2,000	12,000	
	2. Ditto but 1200mm 2x36W			2,000	-	
	2 1500 1 5027.5	8	No	3,000	-	
	3. 1500mm lx58W Fluorescent batten fitting of slim			3,000	24,000	
	cross section with clip-on cover plate and adjustable			3,500	2 700 00	
	end cap system complete with angle reflector, as "Thorn Popular Pack Batten" or approved equivalent.	1	No	3,500	3,500.00	
	SOCKET OUTLETS AND POWER POINTS					
	Socket outlet point comprising wiring in 3x2.5mm ² PVC-SC-CU				-	
D	cables concealed in 20mm diameter HG PVC conduits.				_	
	capies concealed in 20mm diameter 110 1 ve conduits.				-	
	13A 2-gang switched moulded socket outlet plate as "Crabtree" or	14	No	2,000	28,000	
Е	approved equivalent.			2,000	-	
	approved equivalent.				7,000.00	
	Extract fume cupboard fan point wired in 3x2.5mm ² SC-PVC-CU	14	No	500	7,000.00	
F	cables drawn in 20mm diameter HG PVC conduits but excluding fan			300	-	
	itself.				-	
	20A DP switch with neon indicator lamp as "Crabtree" or approved					
	equivalent.	1	No	4,000	4,000.00	
G	Supply and install ceiling fans points switching points wired in 2.5			1,000	_	
	mm single core cables drawn in 20 mm diameter P.V.C conduits,	1	No	700	700.00	
	excluding fans.				, 55.00	
Н					-	
	Supply and install 24 "ceiling fans	4	No	2,000	8,000.00	
	Complete with the controls					
I		4	No	8,000	32,00	
					149,500.	
Total carried forward to collection						

ITEM	DESCRIPTION	QTY	UNI T	RATE	SHS
A	CONSUMER UNITS/DISTRIBUTION BOARDS 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	6,000	6,000.00
В	Single pole Miniature Circuit Breakers to fit into the above consumer unit as follows:				
	(i) 10A SP	3	No	3,200	9,600.00
	(ii) 30A SP	2 2	No No	3,200 3,200	6,400.00 6,400.00
С	(iii) Blanking Plates				
	SUB-MAINS CABLES	15	LM	1,500	22,500.00
D	2x25.0mm ² + 10.0mm ² single-Core copper cables drawn inside HG conduits.	1	No	5,000	5,000.00
E F	Standard cable loop-in box made in gauge 14swg galvanized steel sheet.	1	No	5,000	5,000.00
Г	Cut-out complete with SP 80A HRC fuses.	1	No	5,000	5,000.00
G	Single tariff meter box made from gauge 14swg galvanized steel sheet complete with bonding screw/bolt and viewing glass.				-
Н	Telephone point comprising HG conduit with draw wire and Rj45 telephone outlet plate as "Crabtree" or approved equivalent.	1	No	4,000	4,000.00
	Electrical earthing comprising 6.0mm ² single-Core copper cables drawn inside HG conduits, 1500x15mm diameter copper electrode completes with clamp and a precast concrete inspection pit with cover.	1	Item	30,000	30,000.00
	Total carried to collection below				99,900.00
	COLLECTION				
	Total carried from page LB/10				149,500.00
	Total carried down from above				99,900.00
TOTAL FOR ELEMENT NO.8: ELECTRICAL WORKS CARRIED TO SUMMARY					249,400.00

INO.LABORATORY AT HAJI YUSSUF GIRLS DAY SECONDARY SCHOOL-MANDERA WEST

ITEM	DESCRIPTION	AMOUNT SHS.
	SUMMARY	186,300.00
A.	Doors from page LB/01	309,700.00
В.	Windows from page LB/02	555,650.00
C.	Finishes from page LB/03	374,800.00
D.	Laboratory fittings from page LB/05	37 1,000.00
E.	Lp gas installations works from page LB/7	360,400.00
F.	Plumbing and Drainage works from page LB/8	179,150.00
G.	Benches and stools from page LB/9	226,000.00
H.	Electrical works from page LB/11	249,400.00
	L FOR INO.SCHOOL LABORATORY BLOCK CARRIED TO	
TOTAI GRAN	2,441,400.00	

ITEM	DESCRIPTION	KSHS	CTS
	PC AND PROVISIONAL SUMS		
A	Allow A Provisional Sum of Kenya Shillings forty Thousand (Kshs.40, 000.00) only for Contingencies.	40,000	00
В	Allow A Provisional Sum of Thirty Thousand Shillings Twenty Thousand (Kshs.20, 000.00) only for Project Management and Documentation.	20,000	00
	COUNTY DIRECTOR OF PUBLIC WORKS MANDERA COUNTY		
	P O. Box 49 - 70300, MANDERA		
	TOTAL FOR PC & PROVISIONAL SUMS CARRIED TO GRAND SUMMARY	60,000	00

BILLS OF QUATITIES FOR THE PROPOSED COMPLETION OF INO. LABORATORY BLOCK AT HAJI YUSSUF GIRLS DAY SECONDARY SCHOOL.

GRAND SUMMARY

ITEM	DESCRIPTION	For Official use		For Contractor's	
		only		use only	
A	GRAND SUMMARY Preliminaries				
В.	Completion of 1No. Laboratory	2,441,400	00		
C.	P.C. and provisional sums	60,000	00	60,000	00
	SUB_TOTAL	2,501,400	00		
	ADD 16% VAT	400,224			
	TOTAL CARRIED TO FORM OF TENDER	2,901,624 Say	00		
		2,900,000	00		

P O. BOM 49 - 70300, MANDERA

AMOUNT IN WORDS

COUNTY DIRECTOR OF PUBLIC W TWO MILLION NINE HUNDRED THOUSAND ONLY

Prepared by

Abdikadir Maalim (SCWO)

For: - CD-Public Works Department

MANDERA COUNTY

Encls.