REPUBLIC OF KENYA



MINISTRY OF LANDS, PUBLIC WORKS, HOUSING & URBAN DEVELOPMENT

State Department for Public Works

ONSTRUCTION OF 3 No. CLASSROOMS, COMPUTER ROOM
AND LIBRARY
AT
IKOMERO SECONDARY SCHOOL

REVISED COST ESTIMATES

FUNDED BY;

NG - CDF, KHWISERO CONSTITUENCY P. O. Box 124, 50135 - KHWISERO

DUNTY WC SYS OFFICER
DEPARTMENT for Proble Works
P. O. Box 14-5-1100.

KAKELOGA
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Y WORKS OFFICER

DECEMBER, 2022

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
THE PROPERTY NO. 01				
The character (All Provisional)				
the state of the s		10000		ac mine to a second light
bushes, shrubs and small trees of girth not diameter measured 1 metre from ground arising materials.	558	SM	90	50,220.00
and deposit on site and later spread as directed by	558	СМ	100	55,800.00
from stripped level to reduce level depth not	168	СМ	150	25,200.00
and dispose off the excavated material as directed	214	CM	250	53,500.00
Exercise to foundation trenches				(0.17)
over excavation for excavation in rock irrespective of and dispose the arising materials away from site at the same not less than 100 metres	77	CM	450	34,650.00
Excavate for foundation strip from stripped, of depth not exceeding 1.5m and dispose off as directed by the P.M	149	CM	250	37,250.00
And the second s				
Form work to column bases Soft sawn celcured timber form work to column bases, girth exceeding 200mm but not exceeding 300mm	105	SM	300	31,500.0
Total carried to collection				288,120.

COMPUTER ROOM LIBRARY AT IKOMERO SECONDARY SCHOOL

DESCRIPTION .	QTY	UNIT	RATE	AMOUNT
sawn celcured timber formwork of girt exceeding to the not exceeding 255mm compared to column bases column bases column bases column bases	74	SM	300	22,200.00
clocks and hooks to BS 4461	490	kg	160	78,400.00
Reinforcement to foundation strip 10mm diameter, ditto	246	kg	160	39,360.00
diameter, ditto	120	kg	160	19,200.00
thick blinding under strip foundation	60	SM	300	18,000.00
in column bases	32	SM	300	9,600.00
20/20mm aggregate, mix (1:2:4) Vibrated concrete				
bases	14	CM	13,000	182,000.00
Foundation strip	22	CM	13,000	286,000.00
sawn celcured timber formwork to column cement to stub column	78	SM	300	23,400.00
dameter high tensile square steel bars to BS 4461 tying wires, hooks and spacer blocks all in position.	435	kg	160	69,600.00
Samm bars 2020mm aggregate, mix (1:2:4) Vibrated concrete	174	kg	160	27,840.00
Sua Columns	6	СМ	13,000	78,000.00
Total carried to collection			·	853,600.00

CE 3 No. CLASSROOMS, A COMPUTER ROOM LIBRARY AT IKOMERO SECONDARY SCHOOL

PESCOLIPTION	QTY	UNIT	RATE	AMOUNT
DESCRIPTION		785 02 7865 28		
approved natural stone walling	-			
thick hoop iron at every second course				
(1:3) cement sand mortar	222	SM	1500	333,000.00
olence filling				
thick approved hardcore filling consolidated in	San Francis	an effects		140,000,00
layers and well compacted.	400	SM	350	140,000.00
Blinding	NE	1		
approved hardcore filling consolidated two	400	CNA	250	100,000.00
well compacted.	400	SM	250	100,000.00
TCII/succepanhagnhatas		1000		
and apply "Gladiator TC"(organophosphates				The last to
coverage 8SM per litre as "HIGH CHEM LTD"	400	SM	150	60,000.00
and approved.	100			
Damp Proof membrane with lap allowance of 200mm	400	SM	150	60,000.00
		,	·	
reinforcement with 150mm laps allowance			250	140,000,00
reference A 142 to BS 1483.	400	SM	350	140,000.00
emount to edges of slab			1000	The same of
timber formwork to edges of ground floor slab,	(2)	IM	150	9,300.00
75mm but not exceeding 150mm	62	LM	130),500.00
	100		120	
The state of the s			1	
to collection				
				842,300.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
Domm aggregate, mix (1:2:4) Vibrated concrete				
Class 20/20mm reinforced vibrated concrete to	400	SM	1900	760,000.00
Teatment Tale (1915)	TO 485	- M	dini.	Carrent Como graves to agriculty of the
bituminous paint (M.s.)	38	SM	250	9,500.00
and apply one undercoat and two finishing coats of bituminous paint and strutting	38	SM	350	13,300.00
for plunking and strutting to sides of excavations		ITEM		10,000.00
keeping of the excavation free from mud and all spring spring and running water by pumping, any other approved means		TTEM	A.	10,000.00
excavated material and cart away from site less than 500 metres	130	CM	200	26,000.00
and ram selected excavated materials around	262	CM	150	39,300.00
bed and 100mm thick compacted hardcore sub- ligation and pointing in cement sand mortar (1:3)	74	SM	1100	81,400.00
Careful to				
Consideration				949,500.00

3 No. CLASSROOMS, A COMPUTER ROOM LIBRARY AT IKOMERO SECONDARY SCHOOL

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
THE STORY				
from page CH/1				288,120.00
from page CH/2	and part of the	in absenter.	rest due	853,600.00
from page CH/3	1333	RC.	400	842,300.00
from page CH/4		SM		949,500.00
				111 70 60
		700	Part 1	
				50,000
			· 计发展	16 2/6 (1)
	H		100	\$1.00
Element No. 01 Substructure Carried to				2,933,520.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
- NO. 02				
TRUCTURE FRAME				
MINS	te e d'in			
(Provisional)		l Britis		
high tensile reinforcing steel bars including spacers,	074	VC	160	139,840.00
tying wire all to position to BS 4461	874	KG	100	139,040.00
Cameter ditto	328	KG	160	52,480.00
work to:-	100			
sawn timber formwork to columns	153	SM	300	45,900.00
reinforced concrete (1:2:4) / 20-20mm aggregate in	11.5 55			
Tellifored concrete (1.2.1), 25 25 min 1885 25 min	11	CM	13,000	143,000.00
and intermediate beams				
rcement (All Provisional)				1 613 100 10
high tensile reinforcing steel bars inluding spacers,				
and tying wires to position	1720	KĞ	160 *	275,200.00
diameter bar	700	KG	160	112,000.00
Main intermediate Beams				
Concrete works				
Class 20/20mm aggregate, mix (1:2:4) Vibrated and	24	CM	13,000	312,000.00
reinforced concrete beams	24	Civi	13,000	312,000.00
Softwood cypress sawn celcured timber formwork to sides				
and soffit of ring beam	300	SM	300	90,000.00
Walling				
200mm Thick Walling	1			
200mm thick medium dressed one side natural stone walling				
reinforced with 20mm hoop iron at every second course laid				
with (1:4) cement sand mortar	304	SM	1700	516,800.00
Water proofing				
2000mm wide bituminous felt damp proof course bedded in	140	TM	100	14 000 00
(1:3) cement sand mortar	140	LM	100	14,000.00
	8.3.5			
		-		
TOTAL CARRIED TO COLLECTION PAGE				1,701,220.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
Septended Floor Slab				
Memforcement (Provisional)				
high tensile square reinforcement steel bars, including				
wires and spacer blocks all to position	4,938	KG	160	790,080.0
work to edges of slab				
sawn formwork to edges of floor slab exceeding	10 A	- 34764	Sign from	En set inches w
but exceeding 150mm	105	LM	150	15,750.0
softwood formwork to soffits of suspended floor slab	400	SM	300	120,000.0
Concrete Works		Sivi	300	120,000.0
Electrical concrete class 20-20mm aggregate				
(<u>ll-2-4</u>) in:-			6-3	•
thick suspended slab	400	SM	1900	760,000.0
TAL COLLECTION				1,685,830.00
DOLLECTION		-		
		20.1		
bought forward from page CH/6				1 701 220 (
				1,701,220.0
	1.		-10.75	
bought forward from above				1,685,830.00
				-,,,
the state of the s				
Marian Charles			100	
The state of the s		154		
The second of th				
otal for Element No. 02 Superstructure Frame Carried				
Summary				2 207 050 0
				3,387,050.00

COMPUTER ROOM LIBRARY AT IKOMERO SECONDARY SCHOOL

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
ENT NO. 03				
with hinges ,stars, fasteners, permanent mosquito gauze and sheet hood and fixed to opening including cutting and logs to concrete or blockwork surround and frame in cement and sand mortar (1:3) 40x25x3mm stiles,bottom and top rail and mediate rails, all primed with red oxide to:-	gargeni garg			
2400 high door complete with 50 x 2400 fixed with 'UNION" 1- lever steel door lock, 3 x 2400 become bolts.	2	NO	12,000	24,000.00
apply one undercoat and two finishing coats of gloss oil paint both internal and external surface	10	SM	350	3,500.00
size 1200 x 2400mm high	1	No	11000	11,000.00
solidcore mahogany veneered both sides flush size 900 x 2400mm high make in wrot mahogany or other equal and	6	No	6000	36,000.00
hardwood with one labour plugged and screwed	42	LM	850	35,700.00
and screwed to the w	42	LM	250	10,500.00
Quadrant	42	LM	250	10,500.00
beading description	6	LM	100	600.00
lass not exceeding 050m2 glazing including	2	SM	1200	2,400.00
Doors Summary				134,200.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
Mongery				
Tany other equal and approved manufacturer with mutching screws and all the other accessories Tany other hand approved manufacturer with mutching screws and all the other accessories	18	PRS	200	3,600.00
set of chromium plate handles of "UNION" or other and approved	9	NO	2700	24,300.00
diameter rubber doorstop with rawlbolt fixed to	2	NO	150	300.00
brass tower bolts	9	NO	100	900.00
back of frame exc.100mm but not exc.200mm girth.	42	LM	150	6,300.00
quality clear varnish to doors	26	sM	350	9,100.00
Ditto but girth 100-200mm	42	LM	150	6,300.00
beading ditto girth not exceeding 100mm	6	LM	150	900.00
25 thick mild steel fixing cramps one end split and and build into natural stone walling and other end and screwed to frame	28	NO	250	7,000.00
TAL COLLECTION				58,700.00
				134,200.00
t forward from above	Žia.			58,700.00
for Element No.03 Doors				
Corried to Summary				192,900.00

DESCRIPTION		UNIT	RATE	AMOUNT
THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW				
steel casement windows (supply and fix				
windows casement frames				
hinges ,stars, fasteners, permanent		and a second	Lander	
masquito gauze and sheet good assembled and				a construction of the cons
mening including cutting and pinning lugs to		10.50		
Months of the state of the stat			Same?	
sand mortar (1:3) glazingto:-				
frame all welded joints ground smooth and red oxide coat with two side hanglights; one				
Ight and two fixed light	15	NO	10,000	150,000.00
and two fixed light	13	NO	10,000	150,000.00
1500 x 900mm precast vent blocks fixed to				
	2	SM	7,000	14,000.00
armofing .				
	,		. A	
and fix openings galvanized mild steel grill framed				
mm thick R.H.S including pinning lugs to	- 10	2.00		
blockwork and bedding frame in cement sand				
24 40 25 2 humber was fine in version		F.S.		The Park of
with 40x25x3mm burglar proofing in varied	15	NO	1200	18,000.00
patterns, curves	13	NO	1200	10,000.00
with 40x25x3mm burglar proofing in varied	100	100	Linea -	C. Combo
petterns, curves	2	NO	800	1,600.00
and the second s				
clear glass fixed to metal frame (M.S) with putty				
exceeding 0.50m2 but not exceeding 1.0m2.	38	SM	1200	45,600.00
Mattie Cill				
250mm wide precast concrete (1:2:4)				
roated and grooved and bedded on 200mm thick				
heavy duty weld mesh and building in	ET.			
Hockwork	14	LM	250	3,500.00
Decoration				
apply one undercoat and two finishing coats of				
gloss oil paint both internal and external surface	20	CM	250	12 200 00
· · · · · · · · · · · · · · · · · · ·	38	SM	350	13,300.00
Element No. 04 Windows Carried to Summary	No.			246,000.00

TOTAL SECONDARY SCHOOL

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
meet Vo. 15				
Finish on mass	400	SM	250	100,000.00
screed skirting	190	LM	350	66,500.00
paint(m.s), internal walls	510	SM	250	127,500.00
key in external walls	182	SM	250	45,500.00
and beams	152	SM	250	38,000.00
plastic emulsion paint to internal walls	510	SM	350	178,500.00
plastic emulsion paint to internal walls	182	SM	350	63,700.00
receive paint(m.s)	400	SM	250	100,000.00
plastic emulsion paint	400	SM	350	140,000.00
Tement No. 06 Finishes Carried to Summary				859,700.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
page for Ground Floor				
conclure brought forward from page CH/5	i Magakara pang	and the second	. New Service	2,933,520.00
cture Frame brought forward from page CH/07		8.6	1.0	3,387,050.00
bought forward from page CH/09		866	100	192,900.00
brought forward from page CH/10				246,000.00
brought forward from page CH/ 11		,	,	859,700.00
	118	k d	160 107	phones.
			1	The same same
				1 1 1 1 1 1 1 1 1 1
			100	120000
for Ground Floor Works Carried to Main Summar	y 			7,619,170.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
FLOOR	222		KATE	AMOUNT
T-01				
RUCTURE FRAME				
100				
ents (Provisional)			F-16	
tensile reinforcing steel bars including spacers,	-the original	Market P	ED VIEWNER	
wires all to positions to BS 4461 (52No.) columns	910	KG	160	145,600.00
ditto, stirrups	370	KG	160	59,200.00
timber formwork to square/ rectangular/round	153	SM	300	45,000,00
concrete (1:2:4) along 20/20	133	SIVI	300	45,900.00
columns columns	11	СМ	13,000	143,000.00
(All Duovision al)			7	
(All Provisional) Sensile reinforcing steel bars including spacers,				
wires to position .	1720	KG	160	275,200.00
Summer bar	700	KG	160	112,000.00
mediate beams				
aggregate, mix (1:2:4) Vibrated and				
The second of th	24	CM	12 000	212 000 00
Benerit.	24	CM	13,000	312,000.00
sawn celcured timber formwork to sides	Tour T			
the string beam	300	SM	300	90,000.00
Walling		51.1	300	70,000.00
medium dressed natural stone concrete walling				27.30m.on
20mm hoop iron at every two second course				
External wall)	364	SM	1700	618,800.00
Township?				
minous felt damp proof course bedded in				
and mortar	140	LM	100	14,000,00
	140	LIVI	100	14,000.00
V ₂ 01 S ₁				
No.01 Superstructure /Frame				1,815,700.00

CLASSROOMS, A COMPUTER ROOM LIBRARY AT IKOMERO SECONDARY SCHOOL

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
NO. 02	•			
hinges ,stars, fasteners, permanent additived to opening including cutting and to concrete or blockwork surround and in cement and sand mortar (1:3) 40x25x3mm stiles,bottom and top rail and			ang the second	
2400 high door complete with 50 x 2400 fixed UNION" 1- lever steel door lock, 3 x 2400 tower bolts.	3	NO	12000	36,000.00
Decoration				
apply one undercoat and two finishing coats of clear polryethene varnish to doors internal &	18	SM	350	6,300.00
	7.5			
Element No.02 Doors				
Summary				42,300.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
NO. 03	1		Idile	AMOUNT
Mary .				
made steel casement windows (supply				
wing windows using heavy duty steel	1.00	2.5		
binges, stars, fasteners, permanent				
statis, tasteners, permanent				
and pinning lugs to concrete or	Park I raw keep 200	the and enter-		
frame all world his in the cement and				
frame all welded joints ground smooth and				
oxide coat with two side hanglights; one				
and two fixed light	9	NO	10,000	90,000.00
1500 X 900mm precast vent blocks fixed to				
·	6	SM	7000	12,000,00
Exampling		Sivi	7000	42,000.00
openings galvanized mild steel grill framed			4	
thick R.H.S including pinning lugs to		,		
blockwork and bedding frame in cement sand				
The fact and bedding frame in cement sand				
	138	455		
with 45x25x3mm burglar proofing in varied				
curves .	9	NO	1200	10,800.00
		1,0	1200	10,800.00
with 45x25x3mm burglar proofing in varied				
curves	6	NO	800	1 900 00
		110	800	4,800.00
glass fixed to metal frame (M.S) with putty				
one of the party o	38	CM	1200	334
in the state of th	36	SM	1200	45,600.00
250mm wide precast concrete(1:2:4) weathered				
gooved and bedded on 200mm thick walls				
seessary reinforcement and building in	26		350	
Decoration	36	LM	250	9,000.00
	119	1.00	1:10	12 48
one undercoat and two finishing coats of				
some some some some some some some some		1		
No.	38	SM	350	13,300.00
			330	13,300.00
				24.18.11
Element No. 03 Windows Carried to Summary				215 500 00
				215,500.00

STRUCTION OF 3 No. CLASSROOMS, A COMPUTER ROOM LIBRARY AT IKOMERO SECONDARY SCHOOL

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
No. 05				
This hes cement sand screed (1:3) mortar Finish on mass about slab.	400	SM	250	100,000.00
thick screed skirting	190	LM	350	66,500.00
cement lime sand (1:1:6) plaster trowelled receive paint(m.s), internal walls	510	SM	250	127,500.00
render to key in external walls	182	SM	250	45,500.00
a columns and beams	158	SM	250	39,500.00
and decoration and apply one undercoat and two finishing coats of the silk matt plastic emulsion paint to internal walls	510	SM	350	178,500.00
and decoration and apply one undercoat and two finishing coats of the silk matter plastic emulsion paint to columns and	158	SM	350	55,300.00
ways (ms)	400	SM	1200	480,000.00
cypress softwood cornice moulded and plugged	190	LM	100	19,000.00
access trap door with 50x50mm timber to edges.	4	NO	800	3,200.00
and Decorating and apply one undercoat and two finishing coats of the plastic emulsion paint to ceiling surface	400	SM	350	140,000.00
a mar cornice	190	LM	150	28,500.00
and fix the following unwrot cypress timber	445	LM	120	53,400.00
brandering	890	LM	100	89,000.00
Element No. 04 Finishes Carried to Summary				1,425,900.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
page for First Floor				В
Frame brought forward from page CH/12				1,815,700.0
		The State of	The second	
brought forward from page CH/14				42,300.00
		1.86		2 105,860
brought forward from page CH/15				215,500.00
				213,300.00
brought forward from page CH/16		141		1 425 000 00
	541	Lax		1,425,900.00
The second secon				
	,	ngt ir day notions.		
The second section of the second section secti				
The state of the s				
The second secon				
			1000	
Harris La Contractive				
for First Floor Works Carried to Main Summary				3,499,400.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
LEMENT NO. 06		- v=		
MOFS CONSTRUCTION				
<u>Los frusses</u>			The same	
following in hardwood timber roof trusses of various				
assembled and fixed according to the engineer's			State of the state	
miled specification		-6-2		
som calculated first grade cypress in :-				
50 x50mm rafters	352	LM	300	105,600.00
tie beam	316	LM	300	94,800.00
struts & ties	280	LM	300	84,000.00
550 purlins	542	LM	150	81,300.00
ox calculated second grade cypress in :- ox 50mm. Wall plate bolt to beams otherwise the control of the contr	82	,LM	250	20,500.00
		1	Trans.	
diameter rag bolt 150mm long built into prepared tortice in concrete(m.s)	28	NO	150	4,200.00
				1,200.00
50x6mm Angle cleat.	28	NO	100	2,800.00
I bole in 150mm thick softwood for 12 diameter bolt	28	NO	100	2,800.00
mortice 225mm deep in reinforced concrete beam for and the standard embedding 12mm diameter bolt with concrete and make good.				
	28	NO	150	4,200.00
Covering				1,200.00
prepainted galvanized IT5 box profile corrugated laid and secured on 75x50 timber purlins using 'J' bolts				
washers.	542	SM	1300	704,600.00
miders work in conection with interanl foul drainage.				
cap	38	LM	400	15,200.00
carried to collection				4.400.000
				1,120,000.00

DESCRIPTION .	UNIT	QTY	RATE	AMOUNT
Rainwater Goods	GIVI	VII	KATE	AMOUNT
Entricate and assemble in gauge 18 prepainted steel sheet				
x 225mm box gutter	75	LM	850	63,750.00
diameter down pipe clipped onto concrete wall with				
including holder bats at 900mm centres	36	LM	550	19,800.00
over box gutter for making hole size 75mm	6	NO	350	2,100.00
over box gutter for stripped end	6	NO	350	2,100.00
over down pipe for shoe	6	NO	350	2,100.00
pare and apply one approved, primer, one undercoat		110	330	2,100.00
two coats of 'CROWN SOLO' or other equal and	145.14			
surfaces of gutters, over 300mm girth external	75	LM	150	1-1,250.00
pipes, externally	36	LM	150	5,400.00
West cypress				
25mm facia board	114	LM	200	22 800 00
Exinting and Decorating	111	LIVI	200	22,800.00
are, knot, prme, stop, and apply undercoat two finishing are 200-300mm girth	114	LM	150	17,100.00
		KG.	100	
Total Carried to Collection		C.	12.4	
DLLECTION				129,300.00
bought forward from page CH/18			7.6	1,120,000.00
above from above		311		129,300.00
				129,300.00
				26.00
for Element No.06 Roof construction Carried to Sumn	nary			1,249,300.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
ELEMENT NO.06 STAIRS				
Vibrated reinforced concrete class (1:1:4) 20mm				
aggregate as described in:-				
Stairs	1	CM	13,000	13,000.00
200mm thick stair landing	4	SM	1900	7,600.00
Stair beam	2	CM	13,000	26,000.00
Sawn formwork as described to:-			15,000	20,000.00
Stoping soffits of stairs	7	SM	300	2,100.00
Horizontal soffit of stair landing	6	SM	300	1,800.00
Sides of stair beam	4	SM	300	1,200.00
Edge of sloping stair girth 300mm	, 12	<u>L</u> M	100	- 1,200.00
Edge of stair landing girth 75mm -150mm	6	LM	100	600.00
Edge of riser 75mm -150mm	24	LM	100	2,400.00
Reinforcement (All Provisional)				
The following in high tensile reinforcement square twisted				
to B.S 4461 as described including cutting to lengths,				
bending, twisting and fixing, including all necessary tying		78/15		
diameter bar	175	KG	160	28,000.00
diameter bar	221	KG	160	25.260.00
Sair finishes	221	NO	160	35,360.00
Domm thick cement sand (1:3) screed to:-				
Stair	6	SM	250	1,500.00
Landing	4	SM	250	1,000.00
of stair width 300mm	15	LM	100	1,500.00
Carried to Collection				123,260.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
Lamm thickgranito to:-	1	01,11	ICITE	AMOUNT
Sair tread 300mm wide	60	LM	250	15,000.00
Seir riser 150mm high	64	LM	250	16,000.00
Lading	4	SM	1,400	5,600.00
sides of stair overall width 300mm ement lime (1:1:6) sand plaster as described to:-	15	LM	250	3,750.00
thick in two coats to sloping soffites of stairs	6	SM	250	1,500.00
thick in two coats of horizontal soffites of landing	4	SM	250	1,000.00
matt emulsion paint on plastered surface sustrating	22	SM	350	7,700.00
x 25mm x 3mm rectangular hollow section (RHS) botton rails welded and fixed in position	24	LM	400	9,600.00
x 25mm x 3mm ditto middle rail ditto	24	LM	400	9,600.00
x 25mm x3mm rectangular hollow section (RHS) ter 1200mm long twice counter sunk, one end fanged built into concrete bed (m.s) baluster to metal rail	72	NO	200	14,400.00
	72	NO	250	18,000.00
over baluster for fanged end	48	NO	250	12,000.00
bole in reinforced concrete for funged end and make cement sand mortar	48	NO	250	12,000.00
The Research of Section Carried to September				36.73
Carried to Collection				126,150.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
Supply and weld on steel hand rail 4.00mm steel flat width 100mm	24	LM	400	9,600.00
Supply and fix onto steel top rail 1125mm wrot mahogany or other equal and approved HARDWOOD handdrail with three abour Prepare and apply three coats of prime grade gloss paint	24	LM	200	4,800.00
Metal surface girth 100 -200mm (top rail, middle rail and bottom rail)	48	LM	220	10,560.00
Metal surface girth not exceeding 100mm	144	LM	200	28,800.00
Prepare and apply three coats of clear varnish on general surface of wood girth 200 - 300mm	24	LM	150	3,600.00
Total Carried to Collection				57,360.00
COLLECTION	4			
Brought forward from page CH/20	36			123,260.00
Brought forward from page CH/21				126,150.00
Brought down from above	4			57,360.00
Total for Element No. 07 Stairs Carried to Summary				306,770.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
ELEMENT 08				
Vibrated reinforced concrete (1:2:4)20mm				
aggregete as described in:-		1,.14	I con	
150mm thick ramp slab	34	SM	1500	51,000.0
200mm thick ramp landing	5	SM	1900	9,500.0
Ramp beam	4	CM	13,000	52,000.0
Sawn formwork tas described to:-	1 34	F sas	196	
slope soffit of ramp	34	SM	250	8,500.0
horizantalsoffit of ramp landing	5	SM	250	1,250.0
sides of ramp beam	28	SM	250	7,000.0
Edges of slopping ramp girth 75-150mm	18	LM	100	-1,800.0
Edges of ramp landing 75-150mm	4	LM	100	400.0
Reinforcement (all provisional)				
The following in high tensile reinforcement square twisted		116		
bar to B.S 4461 as described inculding cutting to lenghs				
bending all ,twisting and fixing ,inculding all neccesary				
tying and spacing blocks				
20mm diameter bar	120	KG	160	19,200.0
16mm Ditto	110	KG	160	17,600.0
12mm Ditto	546	KG	160	87,360.0
10mm Ditto	196	KG	160	31,360.00
8mm Ditto	20	KG	160	3,200.00
Ramp finishes				
20mm thick cemet sand (1:3)screed to.				
Ramp	34	SM	250	8,500.00
Ramp landing	5	SM	250	1,250.00
sides of ramp width 200mm	4	LM	100	400.00
TOTAL CARRIED TO COLLECTION				300,320.00

DESCRIPTION	QTY	UNIT	RATE AN	MOUNT
The property of the part of the party of the				
5mm thick terrazzo chips to	34	SM	1500	51,000.00
Ramp				
Ramp landing	5	SM	1500	7,500.00
the second of th	an generalist a	TM	250	1,000.00
ides of ramp overal width 200mm	4	LM	250	1,000.00
2mm thick in two coats to sloping soffites of ramp	34	SM	250	8,500.00
Zmm thick in two coats to sloping somes or ramp				-11110
2mm thick in two coats to horizontal soffites of ramp	5	SM	250	1,250.00
Market San Control of the Control of				
repare and apply one undercoat and two finishing coats of	38	SM	250	9,500.00
rinyl matt emulsion paint on plastered surface			1.00	
Balusterting				
15mm x25mm x 3mm rectangular hollow section (RHS) steel	40	LM	350	14,000.00
bottom rail welded and fixed in position	40	LIVI	330	11,000.00
75mm x 25mm x 3mm ditto to middle rail	20	LM	350	7,000.00
25mm x 25mm x 3mm rectangular hollow section (RHS)				
balusters 1200mm long twice counter sunk, one end fanged	104	NO	200	20,800.00
and built into concrete bed (MS) sundries	101			
weld balusters to metal rail	305	NO	200	61,000.00
	104	NO	200	20,800.00
atra over baluster for fanged end	104	110	200	
Make hole in reinforced for funged end and make good in				
ement sand mortar	104	NO	200	20,800.00
the state of the state of the state of the state of the				223,150.0
TOTAL CARRIED TO COLLECTION				223,130.0

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
and weld on steel hand rail 4mm steel flat width 100m	nt 30	LM	400	12,000.00
and fix onto steel top rail 1125 x50 mm wrot manning or other equal and approved HARDWOOD EANDRAIL with three labours	30	LM	200	6,000.00
prepare and and apply three coats of prime grade gloss		,	A- 1-5)	0.00
metal surface girth 100-200mm (top rail, midddle rail and bottom rail	92	LM	120	11,040.00
Metal surface girth not exceeding 100mm	172	LM	120	20,640.00
prepare and apply three coats of clear varnish on general surface of wood girth 200-300mm	30	LM	120	3,600.00
Total carried to collection	,		*	53,280.00
COLLECTION				
Brought forward from page CH/23				300,320.00
Brought forward from page CH/24				223,150.00
Brought forward from above				53,280.00
Total for ELEMENT NO 08 Ramp carried to collection main sammary				
				576,750.00

DESCRIPTION	QTY	UNIT	RATE	AMOUNT
DESCRIPTION IN SUMMARY DUND FLOOR WORKS FROM PAGE CH/12 ST FLOOR WORKS FROM PAGE CH/17 OF WORKS FROM PAGE CH/19 TAIR CASE WORKS FROM PAGE CH/22 AMP WORKS FROM PAGE CH/25			a valence.	7,619,170.00 3,499,400.00 1,249,300.00 306,770.00 576,750.00
TOTAL FOR BUILDER'S WORKS CARRIED TO GRAND SUMMARY				13,251,390.0

EM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PRIME COST AND PROVISIONAL SUMS			HO Hara	
A	Allow prime cost Sum of Kerya Stillings Two Hundred Thousand (Kshs. 200,000,00) only for Electrical Installation and upgrading of main switch to be executed by				
	a nominated Sub-Contractor		Sum		200,000.00
3	Allow for profit for Main Contractor on item "A" above		4%		8,000.00
	Allow for attendance for Main Contractor on item "A" above		Sum		8,000.00
)	Allow for a prime cost sum of Kenya shillings Two Hundred Thousand,(Kshs.200,000.00) only for Project Management Team	909	Sum		200,000.00
		,	-		
	Allow a provisional sum of Kenya shillings One Hundred Thousand (Ksh. 100,000.00) only for contigencies to be spent at the discretion of the pm.	n de la	Sum		100,000.00
	CDF team administration costs (Kshs 675,000.00)	1	Sum		675,000.00
	TOTAL FOR PRIME COST AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY				1,191,000.00