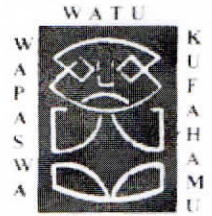




JAMHURI YA MUUNGANO WA TANZANIA
WIZARA YA ELIMU, SAYANSI NA TEKNOLOJIA
CHUO CHA UALIMU MOROGORO
S.L.P 691, MOROGORO

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Kumb.Na.MOTCO/A.5/16/Vol.III/48

Tarehe: 08/02/2022

MENEJA WA BENK
NMB BUSINESS CENTER
P.O BOX
MOROGORO

YAH: KUTHIBITISHA KUWA SHAMDI SADRO NZOGELA (NZOGERA HARD WARE)
ANA MKATABA NA CHUO WA KULETA VIFAA VYA UJENZI.

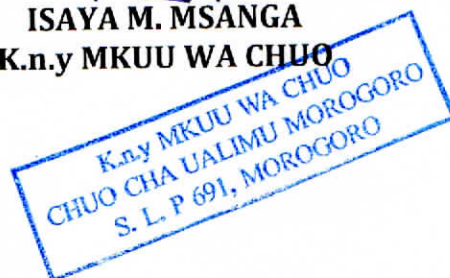
Husika na kichwa cha habari hapo juu.

2. Naomba kuthibitisha kuwa mtajwa hapo juu ni Mzabuni ambaye ameingia Mkataba na Chuo tarehe 03/02/2022 wa kuleta vifaa vya ujenzi kwa muda wa miezi nane (siku 240). Vifaa hivyo ni kwaajili ya ujenzi wa Ukumbi wa Mihadhara (Lecture theatre) kwa kutumia fedha za Uviko. Aidha kwa mujibu wa taratibu ni kwamba malipo yanafanyika ndani ya siku 14 baada ya kuwasilisha nyaraka za madai.

3. Hivyo, naomba asaidiwe kwa mujibu wa taratibu na miongozo iliyopo.

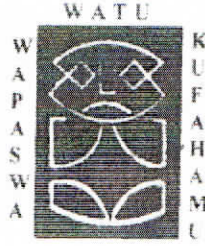
4. Asante.

ISAYA M. MSANGA
K.n.y MKUU WA CHUO



JAMHURI YA MUUNGANO WA TANZANIA
WIZARA YA ELIMU, SAYANSI NA TEKNOLOJIA

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Tel: 255-23-260-3867
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morogorotc@gmail.com



Chuo cha Ualimu Morogoro
S.L.Posta 691,
Morogoro -Tanzania

MKATABA WA MANUNUZI KWA SUPPLIER

A: MASHARTI MAALUM YA MKATABA

1	MWAJIRI	MKUU WA CHUO CHUO CHA UALIMU MOROGORO S. L. P. 691 MOROGORO KNY: KATIBU MKUU WIZARA YA ELIMU SAYANSI NA TEKNOLOJIA
2	JINA NA ANWANI YA SUPPLIER (Mwajiriwa)	Jina: SHAMDI SADRO NZOGELA Anwani: 166 MOROGORO Simu: 0621711387
3	ENEO LA UJENZI	CHUO CHA UALIMU MOROGORO
4	MAELEZO YA KAZI KWA UFUPI	KAZI YA HUDUMA YA KULETA VIFA VYA UJENZI KAMA VILIVYO ORODHESHA KWENYE KIAMBATA
5	GHARAMA YA KAZI	MALIPO YATAFANYIKA KULINGANA NA CALL OF ORDER
6	MUDA WA MKATABA (Tangu Kusainiwa kwa Mkataba):	Tarehe ya Kusaini. 03/02/2022 Muda: Tarehe ya Kuanza Kazi. Tarehe ya Kumaliza Kazi.
7	MASHARTI YA MALIPO:	<ul style="list-style-type: none">• Hakuna Malipo ya Awali• Supplier atalipwa baada ya kuwasilisha vifa sehemu husika (site), kukaguliwa na kuridhishwa na ubora na viwango vya vifa vinavyohitajika.

B: MASHARTI YA JUMLA YA MKATABA

1. Kuhakikisha mzabuni analeta vifa kulingana na call of order.
2. Kuhakikisha mzabuni analeta vifa kulingana na bei zilizo kubalika.
3. Kuhakikisha mzabuni analeta vifa ndani ya muda uliyopangwa.
4. Mzabuni ana paswa kuleta nyaraka zote muhimu za madai ili kukamilisha mchakato wa malipo.
5. Mzabuni akishindwa kutoa huduma kwa mujibu wa mkataba unavyojieleza, mkataba una weza kubatilishwa /kusitishwa.

MWAJIRI:

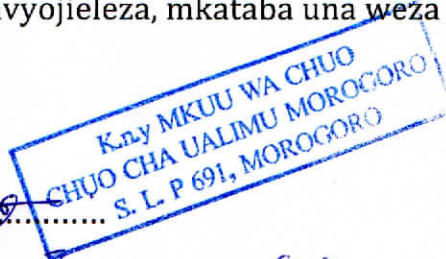
Saini:

Jina: ZUENA JUMANNE JANGA

SIMU: 0787249483

Cheo: KAIMU MKUU WA CHUO

Tarehe: 03/02/2022



SUPPLIER:

Saini: S. Nrogela

Jina: SHAMDI SAORA NZUNDA

SIMU: 0621711387

Cheo: MTOA HUDUMA

Tarehe: 03/02/2022

SHAHIDI WA MWAJIRI

Saini:

Jina: EDSON G. GASAGAMBI

SIMU: 0754935594

Cheo: KATIBU WA UJENZI (MT)

Tarehe: 03/02/2022

SHAHIDI WA SUPPLIER

Saini:

Jina: MAKUMBO WAZIWA MAKUMBO

SIMU: 0716618595

Cheo: MTOA HUDUMA

Tarehe: 03/02/2022

NZOGELA HARDWARES

ELEMENT NO. SUBSTRUCTURE	QTY	UNIT	RATE	AMOUNT
Site Preparation				
K. Imported sand filling including excavating in borrow pits and well ram and consolidate to make up levels under floors and sides of foundation footings	71	m ³	17000	1,202,500
SUBSTRUCTURE (Cont'd)				
A. Filling by using selected excavated material or imported materials to make up different sloping levels; compact in layers maximum 300mm thick to achieve required slope (As per Drawing Section B-B drawing No. AR/TC/02 dated May 2014;)	76	m ³	18750	1,425,000
Hardcore				
D. 150mm Thick hardcore bed leveled and compacted horizontal; blinded with 50mm thick sand to receive polythene membrane (m/s)	170	m ²		
	26	m ³	35,000	910,000
Site Sterilization				
E. ALDEX '48' or equal and approved anti-termite solution to hardcore beds and tops of foundation walls at a rate of 7 Litres per square metres and strictly in accordance with manufacturer's printed instructions	170	m ²		
	16	Tins	20,000	420,000
F. ALDEX '48' spread on top soil; rate of 7 litres per square metre; to backfilling, both sides perimeter wall; 875 x 650mm wide overall Ditto.	55	m		
	4	Tins	30,000	120,000
CONCRETE WORK				
In-situ concrete; plain grade '10':				
G. 50mm Thick Blinding		90	m ²	
		5		
Cement		15	Bags	16000
Sand		2	m ³	35000
Aggregate		4	m ³	124000
				240,000
				70,000
				496,000
In-situ concrete; plain grade '15':				
H. Foundation		13	m ²	
Cement		80	Bags	16000
Sand		7	m ³	35000
Aggregate		11	m ³	124000
				1,220,000
				245,000
				1,464,000
SUBSTRUCTURE (Cont'd)				
In-situ concrete; reinforced grade 25:				
including vibrating around reinforcements				
A. Ground beam		6	m ³	
Cement		47	Bags	16000
Sand		3	m ³	35000
Aggregate		5	m ³	124000
				752000
				105000
				620,000

NZOGELA HARDWARES
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 TIN: 139-829-68

S. Nzogela

B.	Column base	11	m ³		
	Cement	89	Bags	16000	1424,000
	Sand	5.4	m ³	35000	189,000
	Aggregate	9	m ³	124000	101600
C.	Column	3	m ³		
	Cement	24	Bags	16000	384000
	Sand	1	m ³	35000	35000
	Aggregate	2	m ³	124000	248000
D.	Steps	7	m ³		
	Cement	57	Bags	16000	912000
	Sand	3	m ³	35000	105000
	Aggregate	6	m ³	124000	744000
E.	150mm Bed	14.4	m ²		
	Cement	115	Bags	16000	1,840,000
	Sand	7	m ³	35000	245000
	Aggregate	12	m ³	124000	1,488,000
F.	150mm Thick suspended floor Bed	9	m ²		
	Cement	76	Bags	16000	1,216,000
	Sand	5	m ³	35000	175000
	Aggregate	8	m ³	124000	992,000
G.	150mm Thick Ramp	1	m ²		
	Cement	10	Bags	16000	160,000
	Sand	1	m ³	35000	35000
	Aggregate	1	m ³	124000	124,000
	Reinforcement				
	Rolled high tensile steel bar to BS 4466				
H.	Assorted sizes bars	2	Roll	30,000	60,000
	Fabric BRC Mesh				
J.	Fabric Mesh to BS 4483: Reference A 252, Weight 6.16Kg per square metre: mesh size 200 x 200mm with 200mm end and side laps; in any location	110	m ²		
		38		100,000	3,800,000
	Sawn Formwork to:				
K.	Marine	57	m ²		
		20	Pc	90,000	1,800,000
L.	Sides ground beam	39	m ²		
		14	Pc	90,000	1,260,000
M.	Sides of column	48	m ²		
		17	Pc	90,000	1,530,000
N.	To soffits of suspended slab	63	m ²		
		22	Pc	90,000	1,980,000
O.	Edges of bed over 75mm but not exceeding 100mm high	55	m		
		182	Ff	500	91000
P.	Ditto to ramp	9	m		
		30	Ff	500	1,5000
Q.	Risers of steps over 150mm n.e 300mm high	294	m		
		970	Ff	500	485,000

NZOGELA HARDWARE
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 TIN: 139-829-689

* SUBSTRUCTURE (Cont'd)				
Block work				
Solid Concrete blocks to BS 6033; TYPE 'A' 7.0 N				
per square millimeter bedded in cement sand				
mortar (1:4)				
A.	230mm thick Wall	95 m ²		
	Cement	33 Bags	16000	528,000
	Sand	11 m ³	25000	275,000
	Blocks	1330 Pc	1700	2,261,000
Damp proof membrane				
B.	500 Gauge damp proof membrane laid horizontal with 150mm laps	190 m ²	150,000	150,000
C.	Bitumen felt; Hession base; 150 laps horizontal 190 wide	85 m		
		5 Tin	10,000	50,000
Finishings and painting				
D.	15mm thick two-coat plasterwork; to plinth	70 m ²		
	Cement	12 Bags	16000	528,000
	Sand	8 m ³	25000	280,000
Painting and decorating				
E.	Three coats black bituminous paint; to plinth; over 300 girth; external	55 m ²		
		10 bkt	25000	250,000
ELEMENT NR. 2: FRAME				
in-situ concrete; reinforced grade 25;				
including vibration around reinforcements				
A.	Beams	19 m ³		
	Cement	152 Bags	16000	2,432,000
	Sand	9 m ³	35000	315,000
	Aggregate	16 m ³	124000	1,984,000
B.	Column	5 m ³		
	Cement	40 Bags	16000	640,000
	Sand	2 m ³	35000	70,000
	Aggregate	4 m ³	124000	496,000
Reinforcement				
High Yield tensile steel bar to BS 4466;				
C.	16mm Diameter bar	2552 kg		
		123	50,000	6,150,000
D.	10mm Diameter bar	1364 kg		
		164	24000	3,936,000
E.	8mm diameter Bars	660 kg		
		106	15000	1,590,000
F.	6mm diameter Bars	154 kg		
		34	8000	272,000
Formwork to reinforced In-situ concrete				

	<u>Sawn formwork:</u>				
G.	To soffits and sides of beam	180 63	m ² Pc	90,000	5,440,000
H.	To vertical sides of column	76 26	m ² Pc	90,000	2,360,000
ELEMENT NO. 3 - EXTERNAL STAIRS					
CONCRETE WORK					
<u>Reinforced concrete grade '25' including vibrating around reinforcement</u>					
A.	Steps and Staircases	1.5	m ³		
	Cement	12	Bags	16000	192,000
	Sand	1	m ³	35000	35000
	Aggregate	1	m ³	124000	124000
B.	150mm Horizontal suspended landing	3	m ²		
	Cement	23	Bags	16000	368000
	Sand	1	m ³	35000	35000
	Aggregate	2	m ³	124000	248000
C.	150mm Sloping suspended slab	1	m ²		
	Cement	8	Bags	16000	128000
	Sand	1	m ³	35000	35000
	Aggregate	1	m ³	124000	124000
<u>Reinforcement</u>					
<u>High yield cold marked deformed steel bar reinforcement to B.S. 4466</u>					
D.	12mm Bar	550 52	Kg	28000	1,456,000
E.	10mm Bar	180 22	Kg	24000	528,000
<u>Sawn formwork to:</u>					
F.	Horizontal soffit of suspended landing	23 8	m ²	90,000	630,000
G.	Sloping soffit of stairs	7 2	m ²	90,000	180,000
H.	Vertical side of riser over 150mm but not exceeding 300mm high	21 69.3	m	500	34650
J.	Vertical side of stair string 360mm (extreme) high including cutting to profile of treads and risers	9 30	m	5000	150,000

Joinery				
Stainless-steel balustrade				
K.	Balustrade comprising of 60 mm dia handrail 50mm dia 900mm high balusters, spaced at 600mm centres and 25mm dia rails spaced at 300mm centres including fixing to position	23 m	230,000	5,290,000
L.	50mm diameter stainless steel handrail	6 m	230,000	1,380,000
ELEMENT NR. 4 :- WALL COMPONENT				
Block work				
Solid concrete blocks to BS 2028 type 'A' bedded and jointed in Cement and Sand (1:3) mortar				
A.	150mm thick walls	205 m ²		
	Cement	42 Bags	16000	672000
	Sand	30 m ³	35000	1050,000
	Blocks	2460 Pc	1700	4,182,000
B.	Ditto gable walls	62 m ²		
	Cement	15 Bags	16000	240,000
	Sand	11 m ³	35000	385,000
	Blocks	744 Pc	1750	1,264,800
Pre-cast concrete; grade 20				
C.	Sills; 220 x 90; once rebated, weathered and throated; reinforced with two 6 diameter mild steel bars; surface finish 400 grith; bedding in cement lime mortar 1:1:6	15 m	20,000	300,000
D.	Lintel, size 150 x 300mm including four 12mm HT bars, stirrups and formwork	11 m	20,000	210,000
ELEMENT NR. 5: DOORS				
Prime quality Mninga hardwood or equal and approved quality				
Match boarded door				
A.	40mm Thick Framed, ledged and match boarded door size 750 x 2210mm high for single leaf comprising 140 x 40mm wide rebated stiles; 40 x 100mm wide top and 40 x 140mm wide bottom rails: once rebated in with two numbers 140 x 20mm legdes; 15mm match boarded rebated - joint end; and vee - jointed other side	8 No.	600,000	4,800,000
A1	40mm Thick Framed, ledged and match boarded door size 1000 x 2500mm high for single leaf	3 No.	120,000	360,000
Frames and Finishings				
B.	40 x 140mm Rebated Frame	44 m	120,000	960,000
C.	40 x 140mm Mullion	10 m	5000	50,000
D.	40 X 100mm Architrave	19 m	5000	95000
E.	20 x 30mm Glazing Beads	9 m	10,000	90,000

	<u>Sawn hardwood Third grade</u>			
F.	10 x 100mm Grounds	29 m	10,000	290,000
	<u>Iron Mongery</u>			
	<u>Supply and fix the following Iron mongery to Union Catalogue to hardwood with matching screws</u>			
G.	Three level mortice lockset	7 No	70,000	490,000
H.	100mm stainless steel butt hinges	17 Pcs	10,000	170,000
J.	38mm diameter rubber door stop	11 No	10000	110,000
K.	Flush bolt	4 No	20,000	80,000
	<u>Glazing</u>			
	<u>6mm thick clear glass including fixing in beads</u>			
L.	Panes over 0.50 but not exceeding 1.00 square meters	3 m ²	30,000	90,000
	<u>ELEMENT NR. 6- WINDOWS</u>			
	<u>Wrot hardwood; primed before fixing with two coats of wood preservative</u>			
A.	40 x 140mm Window frames; plugging at 400mm centres; fixing with brass screws	62 m	7000	434000
B.	40 x 140mm thick Mullions	21 m	5000	105000
C.	40 x 140mm Thick Transome	11 m	5000	55000
D.	45 x 22mm Stop filllets; fixing with brass screws	83 m	4000	332000
E.	15 x 40mm Cover fillet/beads	6 m	10,000	60,000
F.	Extra for drilling 40mm thick hardwood for 20mm diameter bars	354 No	1000	354000

Metalwork				
G.	16mm diameter burglar proofing bars; cut to required length	154 m	10,000	1,540,000
H.	Aluminium louver frames; 16 gauge; aluminium clips: (750 high; set of five vanes; fixing with screws to hardwood	28 Sets	35,000	980,000
J	Ditto but set of Four vanes, ditto	8 Sets	30,000	240,000
K	Ditto but set of Four vanes, ditto but fixed	20 Sets	25,000	500,000
L	Ditto set of three vanes	4 Sets	18,000	72,000
M	Weld mesh; 8SWG 50 x 50mm mesh fix with screws boards	24 m ²	12,000	288,000
N	Mosquito net fixed to beads, punched and puttied	24 m ²	10,000	240,000
WINDOWS (Cont'd)				
Ordinary Quality clear sheet close				
A.	Louvre blades; 5 thick; 150 wide; edges arised, smoothed; 520mm long	260 No	6,000	1,560,000
Two coats gloss oil paint; wood surfaces; ready primed.				
B.	Frames; over 200 n.e 300 girth	94 m	15,000	141,000
C.	Frames; n.e 100 girth	89 m	5,000	44,500
One coat red oxide primer; two coats gloss oil paint; metal surfaces; external				
D.	Weld mesh: measured flat overall internal	24 m ²	1,000	24,000
E.	Ditto External	24 m ²	2,000	48,000
F.	Bars or the like; not exceeding 100mm girth	154 m	500	77,000
G.	Aluminium Windows Supply aluminium Windows with 5mm glass infills and size of 1000mm X800mm	3 No.	2,000,000	6,000,000
ELEMENT NR. 7 - ROOFING				
ROOF COVERING				
24 G Resign coated IT6 Sheet lapped to sides and ends as per manufacturers specifications; fixed to timber purlins(m/s)				
A.	Roof covering sloping not exceeding 45 degree from horizontal	266 m ²	38,600	10,102,000
B.	Ridge capping: 550mm girth	19 m	20,000	380,000
C.	Valley : 550mm girth	10 m	20,000	200,000

<u>The following roof truss; assemble and hoist</u>				
<u>approximately 4.9 metres above ground level</u>				
<u>The following in 12 No tubular steel</u>				
<u>roof trusses to BS 449 and 4360 grade 43 A</u>				
D.	Tubular steel roof truss over 9metres but not exceeding 12metres span comprising 50mm diameter top and bottom hollow pipe 50mm diameter bracing and ties all plated and welded together, or with bolted site connections	1865	kg	20,000 23,849.00
E.	Anchor plate; mild steel size 200 x 120 x 3mm thick	24	No.	15000 360,000
F.	Gusset plate ; mild steel size 125 x100 x 75 x3mm thick	24	No	14500 348,000
G.	Gusset plate; mild steel size 200 x 100 x3mm thick	24	No.	12000 288,000
H.	3mm thick u - shape plate overall length 400mm 100mm wide	288	No.	7000 2,016,000
J.	Ditto but in L shaped	288	No.	9000 2,016,000
<u>ROOFING (Cont'd)</u>				
A.	Black bolts, 12mm diameter including one nut and two washers,125mm long	144	No.	2500 360,000
B.	Anchor bolts 12mm thick 500mm long	48	No.	12000 576,000
C.	Black bolts, 12mm diameter including one nut and two washers,500mm long	288	No.	5000 1,440,000
<u>Treated softwood; pressure Impregnated</u>				
D.	50 x 100mm Wall plate	55	m	
		182	Ft	4000 728,000
E.	50 x 50mm Purlins	804	m	
		2653	Ft	770 2,042,000
F.	50 x 50mm Branderling	807	m	
		2663	Ft	770 2,050,000
<u>Hardwood selected</u>				
G.	Fascia/badge board 25mm thick; 250mm wide	66	m	
		218	Ft	4000 872,000
<u>Sundries</u>				
H.	Drill 50mm thick steel for 12mm bolts	480	No.	2000 960,000
J.	Drill 3mm thick plate for 12mm bolts	480	No.	1500 720,000
K.	Hole through 10mm plywood	48	No	10,000 480,000

ALUCO BOND PANELS				
<u>Composite Aluminium panel (Aluco bond)</u>				
<u>fixed with approved adhesive to metal</u>				
<u>background</u>				
L.	Supply and fix 10mm thick Perforated aluminium composite panels (Euro Bond Mirror Finish) to approved colour complete with steel structural framing fixed vertically and horizontally	191	m ²	¥23,900 24,830,000
<u>ROOFING (Cont'd)</u>				
<u>Rain water Installation</u>				
<u>Roof drainage</u>				
<u>22 G Galvanised Iron sheet rainwater box gutter or similar equal and approved rainwater system with fitting</u>				
A.	1200mm girth gutter supported by 25 x 4mm Thick mild steel brackets fixed to timber fascia	36	m	50,000 1,800,000
B.	80mm Pipe with standard holder bats plugged and screws to block wall	20	m	30,000 600,000
C.	Extra Ssanneck outlet	4	No.	10,000 40,000
D.	Extra Shoe	4	No.	10,000 40,000
E.	Slop End	4	No.	10,000 40,000
<u>ELEMENT NO. 8. FINISHING</u>				
<u>In-situ wall finishings</u>				
<u>Internal plastering in two coats steel trowelled to a smooth finish: cement and sand (1:4)</u>				
A.	15mm To Walls	234	m ²	
	Cement	4	m ³	
	Sand	31	Bags	16000 496,000
		5	m ³	35000 175,000
B.	15mm to Sides of beams	49	m ²	
	Cement	1	m ³	
	Sand	6	Bags	16000 96,000
		1	m ³	35000 35,000
C.	15mm to Jamb and Sides of openings	2	m ²	
	Cement	1	m ³	16000 16,000
	Sand	1	Bags	
		1	m ³	35000 35,000
<u>External Cement and Sand (1:4) rendering with approved plasticiser in two coats steel trowelled to a smooth finish</u>				
D.	22mm to walls	250	m ²	
	Cement	4	m ³	
	Sand	33	Bags	16000 528,000
		5	m ³	35000 175,000

E.	To sides of column	74	m ²		
			1	m ³	
	Cement	10	Bags	16000	160,000
	Sand	2	m ³	35000	70,000
F.	15mm to soffits of suspended slab	82	m ²		
			1	m ³	
	Cement	11	Bags	16000	176,000
	Sand	2	m ³	35000	70,000
G.	15mm to soffits of sloping surface of stairs	7	m ²		
			0	m ³	
	Cement	1	Bags	16000	16000
	Sand	0	m ³		
	Floor Finish				
	Terrazzo paving; two coats; cement and sand (1:3) backing; finished with 12 white cement; marble; (1: 2 1/2) steel trowelled; cured and polished				
H.	40mm Thick laid to falls; cross falls not exceeding 15 degrees from horizontally; to floors	160	m ²	50,000	8,000,000
J.	Ditto to entrance ramp	16	m ²	30,000	480,000
K.	Steps: 300mm wide	162	m	7000	1,134,000
L.	Ditto to Risers, 150mm high	162	m	7000	1,134,000
M.	Ditto skirting 150mm high	70	m	10,000	700,000
	FINISHING (Cont'd)				
	Plain sheet finishing				
	Gypsum plasterboards : BS 1230 Pt 2 1970; tapered edges wallboard self taping galvanised drive screws; head holes filled and sanded taped and scrimmed board joints: all to receive direct decorations				
A.	12mm Gypsum ceiling.	179	m ²		
	Gypsum board	80	pc	23000	1,840,000
	Gypsum Screw	15	Box	10,000	150,000
	Fiber tape	5	Roll	10,000	50,000
	Gypsum powder	15	Bags	30,000	450,000
B.	75 x 75m Cornice/beads	55	m		
		30	Pc	3000	90,000
C.	Extra over access panels to ceiling size 600 x 600mm with steel framing fixing with chromium plated screws and cup washers	1	No.	15000	15000
	ELEMENT NR 9 - PAINTING AND DECORATION				
	Prepare and apply one thinned coat of acrylic primer; two coats stucco and filler; two full coats wash 'n' wear silk emulsion paints				
A.	To plastered walls internally	245	m ²		
	Silky paints on internal walls	6	Buckets	190,000	950,000
	Emulsion paints; to the walls	8	Buckets	35000	24,000

B.	To internal sides of beams	49 m ²		
	Silky paints on internal walls	1 Buckets	190,000	190,000
	Emulsion paints; to the walls	2 Buckets	35000	261,000
C.	To Jambes and Sides of openings	2 m ²		
	Silky paints on internal walls	1 Buckets	190,000	190,000
	Emulsion paints; to the walls	1 Buckets	35000	35,000
	Prepare and apply one thinned coat and two full coats of emulsion paints			
D.	To Gypsum board ceiling	179 m ²		
	Emulsion paints; to the walls	10 Buckets	35000	350,000
	Prepare surface and apply three coats of external weather guard paint			
E.	To rendered externally	250 m ²		
	Weather Guards	5 Buckets	200,000	1,000,000
	White cement	10 Bags	40,000	400,000
	Emulsion paints; to the walls	7 Buckets	35,000	245,000
F.	To plastered sides Column	74 m ²		
	Weather Guards	1 Buckets	200,000	200,000
	White cement	2 Bags	40,000	80,000
	Emulsion paints; to the walls	1 Buckets	35,000	55,000
G.	To soffits of suspended slab	82 m ²		
	Weather Guards	1 Buckets	200,000	200,000
	White cement	2 Bags	40,000	80,000
	Emulsion paints; to the walls	1 Buckets	35,000	75,000
H.	To soffits of sloping surface of stair	7 m ²		
	Weather Guards	1 Buckets	200,000	200,000
	White cement	1 Bags	40,000	40,000
	Emulsion paints; to the walls	1 Buckets	35,000	35,000
	One coat wood preservative; hardwood surfaces.			
J.	General surfaces	29 m ²	10,000	290,000
K.	Frames girth not exceeding 300mm	32 m	3,000	96,000
	Two coats gloss oil paint; hardwood surfaces ready primed			
L.	General surfaces	29 m ²		
	Solvent; 1 litre	2 Tins	10,000	20,000
	Polish Varnish	3 Tins	10,000	30,000
M.	Frames girth not exceeding 300mm	32 m		
	Solvent; 1 litre	2 Tins	6,000	12,000
	Polish Varnish	3 Tins	8,000	24,000
N	Wall tiles			
	6mmx200mmx300mm ceramic wall tiles	65 m ²		
	Box	65 box	19000	1,235,000
	Cement	4 bags	16000	64,000
	Sand	1 m ³	3,000	3,500
	Stainless steel corner strips	30 m ²	5000	150,000
P	Floor Tiles			
	300mmx300x9mm non slippery floor tiles	21 m ²		
	Box	15 box	20,000	300,000
	Cement	3 bags	16000	48,000
	Sand	1 m ³	35000	7,1000

ELEMENT NR 12 - EXTERNAL WORKS (ALL PROVISIONAL)					
PART I - SITE WORKS, GARDENING, ROADS AND PARKING AREAS					
SITE PREPARATION					
A.	Clear site covered with scrub undergrowth and the like, including grubbing their roots and dispose as directed	56	m2		
B.	Excavate oversite averagely 150mm deep, fill and level	54	m2		
C.	Imported soil filling including excavating in borrows pits and well ram and consolidated to make up levels	21	m3	20,000	420,000
Manure and Grassing					
D.	Approved imported vegetable soil, spread and levelled on site average 100mm thick	15	m3	20,000	300,000
E.	Rake vegetable soil, bring to a fine filth, set grass plants at 200mm centres both ways and maintain until established	33	m2	15000	495,000
Roads and Parking					
F.	Grade and compact surfaces of fill material to falls and cambers	57	m2	3000	171,000
Gravel/ Sand Filling					
G.	100mm layer of compacted Blinding; grading to falls.	57	m2	7000	399,000
Pre cast concrete					
H.	Paving slabs; grade 15; size 600 x 600 x 50mm Thick continuous bedded to slight fall on 100mm thick compacted sand base (measured separately)	57	m2	20,000	1,140,000
Kerbs					
J.	600 x 300 x 100mm precast plain concrete grade "15" chamfered kerb to BS 340 fig. 8 jointed and pointed in Cement mortar (1:4) laid on and including 600 x 150mm plain concrete grade '15' bed and haunched at back	103	m	15000	1,545,000
EXTERNAL WORKS (Cont'd)					
Surface / Rain water channel					
	Excavate "V" shaped open rain water channel: average 1100 mm wide x 550mm deep; trimming sides to slope; compacting bottoms to falls and sides; including removal of surplus excavated materials average of 150 meters from excavation and all necessary planking and strutting to uphold sides of excavations	42	m		
A.	100mm layer of compacted Blinding sand to base	33	m2		
B.	Ditto to battering walls	33	m2		
Stone pitch					
C.	50mm Thick stone pitching to regular pattern; bedding, jointing and pointing in (1:4) Cement mortar to base of surface water channel	33	m2	10,000	330,000
D.	Ditto but to sides/ battering walls	33	m2	10,000	330,000
Precast concrete grade '25' reinforced					

E.	50mm thick channel cover paving slab size 1200 x 600mm with steel wire fabric (m/s)		3m ²	70,000	210,000
	Fabric BRC Mesh				
F.	Fabric Mesh to BS 4483; Reference A 252, Weight 6.16Kg per square metre; mesh size 200 x 200mm with 200mm end and side laps.		3m ²		
G.	Eastern type Water Closet; including cistern, water closet pan, flush actuator and accessories for system to work properly		3 No.	120,000	360,000
H.	CASTLEWARE over the counter Type WHB complete with all accessories		3 No.	130,000	390,000
J.	Disabled toilets with all accessories		1 No.	350,000	350,000
K.	PVC Pipe Class B 100mm with elbows		30 m	35000	720,000
L.	50mm PVC pipe with elbows		20 m	4000	80,000
M.	Floor trap with strainer		3 No.	10,000	30,000
N.	600mm by 600mm cast iron manhole cover		5 No.	15,000	90,000
P.	1/2" Poly pipe		60 m	1,100	90,000
Q.	1/2" IPS pipes and connectors		30 m	10,000	300,000
TOOLS & EQUIPMENTS					
	Hoe	5	PCS	10000	50,000
	Manila rope	30	PCS	1000	20,000
	reflector	30	PCS	10,000	200,000
	Helmet	30	PCS	10,000	200,000
	Ndoo 10L	50	PCS	2000	100,000
	safety boots	5	PCS	30,000	150,000
	Axe	2	PCS	10,000	20,000
	sururu	2	PCS	12,000	24,000
	pipe level	1	PCS	10,000	10,000
	conc cutting disk 9"	5	PCS	7000	35,000
	conc cutting disk 4"	2	PCS	6000	12,000
	Iron cutting disk 9"	50	PCS	2000	30,000
	Iron cutting disk 4"	10	PCS	6000	60,000
	nyundaya misumari	4	PCS	10,000	40,000
	nyundaya 2kg	4	PCS	10,000	40,000
	makoleo	5	PCS	10,000	50,000
	Store ledger	15	PCS	5000	45,000
	gum boots	15	PCS	18,000	270,000
	nyundo 5kg	1	PCS	25000	25,000
	tonk 5000L	1	PCS	1,350,000	1,350,000
	padlocks	2	PCS	5000	10,000
	Brush 2"	10	PCS	2000	20,000
	Brush 3"	15	PCS	3000	45,000
	Brush 4"	10	PCS	4000	40,000
	panga	3	PCS	5000	15,000
	iindo	2	PCS	10,000	20,000
	Roller brush 9"	10	PCS	5000	50,000
	Drilling bit 12 mm	2	PCS	10,000	20,000
	Drilling bit 10 mm	2	PCS	6000	12,000
	Drilling bit 8 mm	5	PCS	5000	25,000
	Drilling bit 5 mm	5	PCS	3000	15,000
	Drilling bit 4 mm	5	PCS	4000	20,000
	Drilling bit 16mm	1	PCS	10,000	10,000
	Screw driver	4	PCS	30000	12,000

Timber saw	10	PCS	15000	150,000
Bending Spring 25Mm For Conduit	3	PCS	1,500	4,500
Bending Spring 20Mm For Conduit	3	PCS	1,500	4,500
Hose pipe	2	Roll	120,000	240,000
TOTAL MATERIALS COST				218,933,400/5

NZOGELA HARDWARE
 P. O. Box 166
 MOROGORO
 TIN: 139-829-689

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N/ZOGELA HARDWARE

ELEMENT NR 1- ELECTRICAL INSTALLATION		QTY	UNIT	RATE	AMOUNT
LIGHT INSTALLATION					
<u>Final sub-circuit; cable in conduit;</u>					
<u>conduit fixed in chases</u>					
A.	<u>Wiring for lights; 1.5mm² single core conductor; as manufactured by 'EURO' or other equal and approved manufacturer fixed to block work background ;</u>				
	Final sub-circuit comprising:				
	6No. Switch points	1	No	2,800,00	2,800,00
	51No. Light points				
	10 Fan points				
	<u>Fittings and accessories;</u>				
B.	Industrial Twin fluorescent light fitting; 1200mm long; with electronic ballast complete with tube light as per Philips manufacturer; including mounting galvanized pipe	20	No	96,00	1,920,00
C.	Decorative light wall mounted complete energy saver	10	No	40,00	400,00
D.	Weather proof fittings with 11W energy saver	13	No	40,00	520,00
E.	Ceiling fan Panasonic with regulator	10	No	170,00	1,700,00
F.	Emergency light with Exit sign as manufactured by Merrer' or other equal and approved manufacturer	4	pcs	50,00	200,00
G.	Phillips selecon PL1LED Angle spot light luminaire complete with mounting accessories	2	pcs	40,00	80,00
H.	Directional luminaire with alters/bam doors complete with mounting accessories	2	pcs	140,00	280,00
J.	Provide moulded for projector cables with '1' PVC conduits	1	No	150,00	150,00
K.	Light switch; 6 Amps; one -way; one gang; flush mounted complete with moulded box as manufactured by 'MEM' or'ABB' or other equal and approved manufacturer	1	No	100,00	100,00
L.	Ditto; 6Amps; Three gang One ways	2	No	10,00	20,00
M.	Ditto; 6Amps; Four gang Two ways	2	No	15,00	30,00
N.	Single core 1.5 sqmm PVC copper cables from distribution Boards to all lighting and ceiling fans outlet points				
	Red Wire	10	Roll	60,00	600,00
	Black Wire	10	Roll	60,00	600,00
	Green Wire	10	Roll	60,00	600,00
P.	Single core 2.5 sqmm PVC copper cables from distribution Boards to all lighting and ceiling fans outlet points				
	Red Wire	9	Roll	70,00	630,00
	Black Wire	9	Roll	70,00	630,00
	Green Wire	9	Roll	70,00	630,00

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ELECTRICAL INSTALLATION (Cont'd)					
A.	Ditto; 6Amps; Eight gang One ways	1	No	50,000	50,000
POWER INSTALLATION					
<u>Final sub-circuit; cable in conduit;</u>					
<u>conduit fixed in chases; as manufactured by</u>					
<u>EURO' or other equal and approved;</u>					
B.	Ring circuit wiring; 2.5mm ² single core conductor; to block work background				
	Final sub-circuit comprising:				
	11No. Twin Switch socket points	1	No	50,000	50,000
<u>Fittings and accessories</u>					
C.	Switch socket outlet; rocker; 13 Amps ;twin flush mounted complete with moulded box; As per 'ABB' or 'MEM'	11	No	12,000	132,000
<u>Equipment and control gear</u>					
D.	6 Way 100A SPN distribution board with 300mA RCD as manufactured by 'ABB' or other equal and approved complete with MCBs as shown in drawings - Flush mounted	1	No	100,000	100,000
EARTHING SYSTEM					
E.	Soil treatment and interconnection to general earthing point with one copper to pit not less than 1000mm deep to meet the requirement of IEE regulation including construction of manhole	1	Item	500,000	500,000
F.	Projector and its screen	1	Item	6,000,000	6,000,000
G.	20mm Conduits	600	m		
		200	pc	1,500	300,000
H.	Supply and install Public Address system complete with 1 microphone and 4 speaker and all accessories	1	Item	4,000,000	4,000,000
J.	Allow for TANESCO connection	1	Item	1,200,000	1,200,000
TOTAL					
				24,672,000	

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A.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Supply and install the lecture theatre seats of metal chair and desk sets placed at the step made of compressed marine plywood at the seat and back with the smooth writing desk to top; all fixed with heavy duty metal frames as per manufacturer's specifications with the attached pictures	200	Set	206300	41,260,000/=

Jumla kuu ya
kazi yote unataka
Jembo kuanza mlikat
N1: 279,265,450/=

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