

**WIZARA YA ELIMU, SAYANSI NA TEKNOLOJIA  
CHUO CHA UALIMU BUTIMBA**



**UJENZI WA LECTURE THEATRE  
MKATABA WA UJENZI**

**A: MASHARTI MAALUM YA MKATABA**

<b>1</b>	<b>MWAJIRI</b>	<b>MKUU WA CHUO CHUO CHA UALIMU BUTIMBA S. L. P. 1114 MWANZA KNY: KATIBU MKUU WIZARA YA ELIMU SAYANSI NA TEKNOLOJIA</b>
<b>2</b>	<b>JINA NA ANWANI YA MZABUNI (<i>Mwajiriwa</i>)</b>	Jina: <b>JAMES ANDREA IFUJA</b> Anwani: <b>S.L.P. 10171, MWANZA.</b> Simu: <b>0784388126</b>
<b>3</b>	<b>ENEO LA UJENZI</b>	<b>CHUO CHA UALIMU BUTIMBA</b>
<b>4</b>	<b>MAELEZO YA KAZI KWA UFUPI</b>	<b>KAZI YA HUDUMA YA KULETA VIFA VYA UJENZI KAMA VILIVYO ORODHESHA KWENYE KIAMBATA</b>
<b>5</b>	<b>GHARAMA YA KAZI</b>	<b>MALIPO YATAFANYIKA KULINGANA NA CALL OF ORDER</b>
<b>6</b>	<b>MUDA WA MKATABA (Tangu Kusainiwa kwa Mkataba):</b>	Tarehe ya Kusaini. <b>04/02/2022</b> Muda: <b>120 - SIKU</b> Tarehe ya Kuanza Kazi. <b>04/02/2022</b> Tarehe ya Kumaliza Kazi. <b>04/06/2022</b>
<b>7</b>	<b>MASHARTI YA MALIPO:</b>	<ul style="list-style-type: none"> <li>• Hakuna Malipo ya Awali</li> <li>• Mzabuni atalipwa baada ya kuwasilisha vifa sehemu husika (site), kukaguliwa na kuridhishwa na ubora na viwango vya vifa vinavyohitajika.</li> </ul>

**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.

**MWAIIRI:**

Saini:  .....

Jina: NICHOLAUS A MAGIGE

SIMU: 0768266944

Cheo: MKUU WA CHUO

Tarehe: 04/02/2022

**MZABUNI:**

Saini:  .....

Jina: JAMES ANDREA IFUJA.

SIMU: 0784388126

Cheo: MZABUNI

Tarehe: 04/02/2022

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**SHAHIDI WA MWAIIRI**

Saini:  .....

Jina: DICKSON A MPAMA

SIMU: 0784563045

Cheo: MAKAMU MKUU WA CHUO

Tarehe: 04/02/2022

**SHAHIDI WA MZABUNI**

Saini:  .....

Jina: JAMES ANDREW IPHUJA.

SIMU: 0622404090

Cheo: MZABUNI MSAIDIZI

Tarehe: 04/02/2022

SCHEDULE OF MATERIAL FOR  
LECTURE THEATRE

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>ELEMENT NR. 1 - SUBSTRUCTURE</b>				-
	<b>Site Preparation</b>				-
A.	Clearing site, grubbing up roots; bushes; shrubs undergrowth; small trees or the like small trees not exceeding 600mm girth	238	m2		-
	<b>Excavation and Earthworks:</b>				-
B.	Excavate vegetable soil; average 150 deep; spread and leveled on site average 100 metres from excavation	238	m2		-
C.	Excavate by cutting part of the site to reduce level	15	m3		-
D.	Excavate foundation trenches; starting from reduced level; not exceeding 1.50 metres deep	54	m3		-
E.	Excavate pit for column base; starting from reduced level; not exceeding 1.50 metres deep	52	m3		-
F.	Extra; any kind of excavation for breaking up soft rock or corol stone (Provisional)	5	m3		-
G.	Extra; any kind of excavation for breaking up rock (Provisional)	7	m3		-
	<b>Disposal</b>				-
H.	Backfill selected excavated or imported material; compact in layers and consolidate around foundation	70	m3		-
J.	Load and cart away surplus excavated material;	42	m3		-
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	m3	20,000	1,420,000
					<b>1,420,000</b>
	<b>TO COLLECTION</b>				
	<b>SUBSTRUCTURE (Cont'd)</b>				-
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	m3	20,000	1,520,000
	<b>Disposal of Water</b>				-
B.	Keeping excavations free from general water		Item		-
	<b>Planking and strutting</b>				-
C.	Sides of trenches; generally		Item		-
	<b>Hardcore</b>				-

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LECTURE THEATRE

					-
D.	150mm Thick hardcore bed leveled and compacted horizontal; blinded with 50mm thick sand to receive polythene membrane (m/s)	159	m2		-
		24	m3	20,000	477,000
					-
	<b>Site Sterilization</b>				-
E.	ALDEX '48' or equal and approved ant-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	159	m2		-
		16	Tins	50,000	800,000
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	50,000	200,000
	<b>CONCRETE WORK</b>				-
	<b>In-situ concrete: plain grade '10':</b>				-
G.	50mm Thick Blinding	71	m2		-
		4			-
	Cement	12	Bags	22,000	264,819
	Sand	2	m3	20,000	39,323
	Aggregate	3	m3	46,000	150,738
	<b>in-situ concrete: plain grade '15':</b>				-
H.	Foundation	11	m3		-
	Cement	70	Bags	22,000	1,540,000
	Sand	6	m3	20,000	113,143
	Aggregate	9	m3	46,000	433,714
					-
	<b>TO COLLECTION</b>				<b>5,538,738</b>
	<b>SUBSTRUCTURE (Cont'd)</b>				
	<b>in-situ concrete: reinforced grade 25: including vibrating around reinforcements</b>				
A.	Ground beam	5	m3		
	Cement	41	Bags	22,000	902,000
	Sand	2	m3	20,000	49,091
	Aggregate	4	m3	46,000	188,182
B.	Column base	11	m3		
	Cement	89	Bags	22,000	1,958,000
	Sand	5	m3	20,000	108,000
	Aggregate	9	m3	46,000	414,000
C.	Column	3	m3		
	Cement	24	Bags	22,000	528,960
	Sand	1	m3	20,000	29,455
	Aggregate	2	m3	20,000	49,091
D.	Steps	7	m3		
	Cement	57	Bags	22,000	1,254,000
	Sand	3	m3	20,000	68,727

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	Aggregate	6	m3	46,000	263,455
					-
E.	150mm Bed	14	m2		-
	Cement	115	Bags	22,000	2,539,008
	Sand	7	m3	20,000	141,382
	Aggregate	12	m3	46,000	541,964
					-
F.	150mm Thick suspended floor Bed	9	m2		-
	Cement	76	Bags	22,000	1,672,000
	Sand	5	m3	20,000	92,782
	Aggregate	8	m3	46,000	355,664
					-
G.	150mm Thick Ramp	1	m2		-
	Cement	10	Bags	22,000	220,000
	Sand	1	m3	20,000	11,782
	Aggregate	1	m3	46,000	45,164
					-
	<b>Reinforcement</b>				-
	<u>Rolled high tensile steel bar to BS 4466</u>				-
					-
H.	Assorted sizes bars	2	Roll	395,000	790,000
					-
	<b>Fabric BRC Mesh</b>				-
					-
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	m2		-
		38		26,000	993,056
					-
	<b>Sawn Formwork to:</b>				-
K.		57	m2		-
	Marine	20	Pc	54,000	1,068,750
					-
L.	Sides ground beam	39	m2		-
		14	Pc	54,000	731,250
					-
M.	Sides of column	48	m2		-
		17	Pc	54,000	900,000
					-
N.	To soffits of suspended slab	63	m2		-
		22	Pc	54,000	1,181,250
					-
O.	Edges of bed over 75mm but not exceeding 100mm high	55	m		-
	50 x 100mm	182	Ff	625	113,438
					-
P.	Ditto to ramp	9	m		-
	50 x 100mm	30	Ff	625	18,563
					-
Q.	Risers of steps over 150mm n.e 300mm high	294	m		-
	25 x 150mm	970	Ff	1,250	1,212,750
					-
R.	Nails various sizes	200	Kg	4,000	800,000
					-
	<b>TO COLLECTION</b>				<b>19,241,760</b>
	<b>SUBSTRUCTURE (Cont'd)</b>				
	<b>Block work</b>				
	<b>Solid Concrete blocks to BS 6033: TYPE 'A' 7.0 N per square millimeter bedded in cement sand mortar (1:4)</b>				

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		83	m2		
A.	230mm thick Wall	29	Bags	22,000	639,100
	Cement	11	m3	20,000	221,333
	Sand	1162	Pc	1,500	1,743,000
	Blocks				-
	<b>Damp proof membrane</b>				-
					-
B.	500 Gauge damp proof membrane laid horizontal with 150mm laps	159	m2	3,200	508,800
					-
					-
C.	Bitumen felt; Hessian base; 150 laps horizontal 190 wide	70	m		-
		4	Tin	28,000	112,000
	<b>Finishings and painting</b>				-
					-
D.	15mm thick two-coat plasterwork; to plinth	55	m2		-
	Cement	8	Bags	22,000	176,000
	Sand	7	m3	20,000	132,000
					-
	<b>Painting and decorating</b>				-
					-
E.	Three coats black bituminous paint; to plinth; over 300 girth; external	55	m2		-
		10		28,000	280,000
					-
	<b>TO COLLECTION</b>				<b>3,812,233</b>
	<b>COLLECTION</b>				
	KTGL/LECT/TH/LOT 2/1				1,420,000
	KTGL/LECT/TH/LOT 2/2				5,538,738
	KTGL/LECT/TH/LOT 2/3				19,241,760
	KTGL/LECT/TH/LOT 2/4				3,812,233
	<b>AMOUNT OF SUBSTRUCTURE CARRIED TO SUMMARY</b>				<b>30,012,731</b>
	<b>ELEMENT NR. 2: FRAME</b>				
	<b>in-situ concrete: reinforced grade 25; including vibration around reinforcements</b>				
A.	Beams	17	m3		
	Cement	136	Bags	22,000	2,997,440
	Sand	8	m3	20,000	166,909
	Aggregate	14	m3	46,000	639,818
					-
B.	Column	5	m3		
	Cement	40	Bags	22,000	881,600
	Sand	2	m3	20,000	49,091
	Aggregate	4	m3	46,000	188,182
					-
	<b>Reinforcement</b>				-
	<b>High Yield tensile steel bar to BS 4466:</b>				-
					-
C.	16mm Diameter bar	2552	kg		
		123	Pc	40,000	4,900,000
					-

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D.	10mm Diameter bar	1364 kg			-
		164 Pc	20,000		3,273,600
					-
E.	8mm diameter Bars	660 kg			-
		106 Pc	15,000		1,584,000
					-
F.	6mm diameter Bars	154 kg			-
		34 Pc	10,000		336,000
					-
G.	Binding wire	200 Kg			-
		4 Roll	100,000		400,000
					-
	<b>Formwork to reinforced in-situ concrete</b>				-
	<b>Sawn formwork:</b>				-
H.	To soffits and sides of beam	177 m2			-
		61 Pc	54,000		3,318,750
					-
J.	To vertical sides of column	74 m2			-
		26 Pc	54,000		1,387,500
					-
K.	Nails Various sizes	200 Kg	4,000		800,000
	<b>AMOUNT OF ELEMENT NR 2 - FRAME CARRIED TO SUMMARY</b>				<b>20,922,890</b>
	<b>ELEMENT NO. 3 - EXTERNAL STAIRS</b>				
	<b>CONCRETE WORK</b>				
	<b>Reinforced concrete grade '25' including vibrating around reinforcement</b>				
A.	Steps and Staircases	1 m3			
	Cement	8 Bags	22,000		176,320
	Sand	0 m3	20,000		9,818
	Aggregate	1 m3	46,000		37,636
					-
B.	150mm Horizontal suspended landing	3 m2			
	Cement	23 Bags	22,000		502,512
	Sand	1 m3	20,000		27,982
	Aggregate	2 m3	46,000		107,264
					-
C.	150mm Sloping suspended slab	1 m2			
	Cement	8 Bags	22,000		185,136
	Sand	1 m3	20,000		10,309
	Aggregate	1 m3	46,000		39,518
					-
	<b>Reinforcement</b>				-
	<b>High yield cold marked deformed steel bar reinforcement to B.S 4466</b>				-
D.	12mm Bar	520 Kg			-
		45	29,000		1,305,000
					-
E.	10mm Bar	180 Kg			-
		22	20,000		440,000
					-
	<b>Sawn formwork to:</b>				-
F.	Horizontal soffit of suspended landing	19 m2			-

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		7		54,000	356,250
					-
G.	Sloping soffit of stairs	7	m <sup>2</sup>		-
		2		54,000	131,250
					-
H.	Vertical side of riser over 150mm but not exceeding 300mm high	21	m		-
		69		15,000	1,039,500
					-
J.	Vertical side of stair string 360mm (extreme) high including cutting to profile of treads and risers	9	m		-
		30		15,000	445,500
					-
	<b>Joinery</b>				-
					-
	<b>Stainless-steel balustrade</b>				-
					-
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	7,000	161,000
					-
L.	50mm diameter stainless steel handrail	6	m	7,000	42,000
					-
	<b>ELEMENT NO. 3 - STAIRS</b>				
	<b>CARRIED TO SUMMARY</b>				<b>5,016,995</b>
	<b>ELEMENT NR. 4 :- WALL COMPONENT</b>				
	<b>Block work</b>				
	<b>Solid concrete blocks to BS 2028 type 'A' bedded and jointed in Cement and Sand (1:3) mortar</b>				
A.	150mm thick walls	172	m <sup>2</sup>		
	Cement	42	Bags	22,000	924,000
	Sand	30	m <sup>3</sup>	20,000	596,267
	Blocks	2064	Pc	1,500	3,096,000
					-
B.	Ditto gable walls	62	m <sup>2</sup>		
	Cement	15	Bags	22,000	330,000
	Sand	11	m <sup>3</sup>	20,000	214,933
	Blocks	744	Pc	1,400	1,041,600
					-
	<b>Pre-cast concrete: grade 20</b>				
					-
C.	Sills; 220 x 90; once rebated, weathered and throated; reinforced with two 6 diameter mild steel bars; surface finish 400 girth; bedding in cement lime mortar 1:1:6	11	m		
	150mm Sloping suspended slab	0	m <sup>2</sup>		
	Cement	4	Bags	22,000	87,278
	Sand	0	m <sup>3</sup>	20,000	4,860
	Aggregate	0	m <sup>3</sup>	46,000	18,630
					-
D.	Lintel, size 150 x 300mm including four 12mm HT bars, stirrups and formwork	8	m		
	150mm Sloping suspended slab	0	m <sup>2</sup>		
	Cement	3	Bags	22,000	63,475
	Sand	0	m <sup>3</sup>	20,000	3,535
	Aggregate	0	m <sup>3</sup>	46,000	13,549

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	<b>AMOUNT OF ELEMENT NR 4 - WALL</b>				
	<b>CARRIED TO SUMMARY</b>				<b>6,394,127</b>
	<b>ELEMENT NR. 5: DOORS</b>				
	<b>Prime quality Mninga hardwood or equal and approved quality</b>				
	<b>Match boarded door</b>				
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	14 14	No. No.	350,000 200,000	4,900,000 2,800,000
	<b>Frames and Finishings</b>				
B.	40 x140mm Rebated Frame	26	m		
C.	40 x140mm Mullion	7	m		
D.	40 X 100mm Architrave	19	m		
E.	20 x 30mm Glazing Beads	9	m		
	<b>Sawn hardwood Third grade</b>				
F.	10 x 100mm Grounds	29	m		
	<b>Iron Mongery</b>				
	<b>Supply and fix the following Iron mongery to Union Catalogue to hardwood with matching screws</b>				
G.	Three level mortice lockset	14	No	80,000	1,120,000
H.	100mm stainless steel butt hinges	21	Prs	4,000	84,000
J.	38mm diameter rubber door stop	14	No	5,000	70,000
K.	Flush bolt	10	No		
	<b>Glazing</b>				
	<b>6mm thick clear glass including fixing in beads</b>				
L.	Panes over 0.50 but not exceeding 1.00 square meters	2	m2		
	<b>AMOUNT DOOR COMPONENT</b>				
	<b>CARRIED TO SUMMARY</b>				<b>8,974,000</b>
	<b>ELEMENT NR. 6- WINDOWS</b>				
	<b>Wrot hardwood: primed before fixing with two coats of wood preservative</b>				
A.	40 x 140mm Window frames; plugging at 400mm centres; fixing with brass screws	62	m	23,000	1,426,000

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B.	40 x 140mm thick Mullions	21 m	23,000	483,000
				-
C.	40 x 140mm Thick Transome	11 m	23,000	253,000
				-
D.	45 x 22mm Stop fillets; fixing with brass screws	83 m	15,000	1,245,000
				-
E.	15 x 40mm Cover fillet/beads	6 m	5,000	30,000
				-
F.	Extra for drilling 40mm thick hardwood for 20mm diameter bars	354 No		-
				-
	<b>Metalwork</b>			-
				-
G.	16mm diameter burglar proofing bars; cut to required length	154 m	5,000	770,000
				-
H.	Aluminium louver frames; 16 gauge; aluminium clips; (750 high; set of five vanes; fixing with screws to hardwood	28 Sets	24,000	672,000
				-
J	Ditto but set of Four vanes, ditto	8 Sets	15,000	120,000
				-
K	Ditto but set of Four vanes, ditto but fixed	20 Sets	15,000	300,000
				-
L	Ditto set of three vanes	4 Sets	15,000	60,000
				-
M	Weld mesh; 8SWG 50 x 50mm mesh fix with screws boards	24 m2	29,000	696,000
				-
N	Mosquito net fixed to beads, punched and puttied	24 m2	6,000	144,000
				-
	<b>TO COLLECTION</b>			<b>6,199,000</b>
				-
	<b>WINDOWS (Cont'd)</b>			
	<b>Ordinary Quality clear sheet close</b>			
A.	Louvre blades; 5 thick; 150 wide; edges arrised, smoothed; 520mm long	260 No	5,000	1,300,000
				-
	<b>Two coats gloss oil paint; wood surfaces; ready primed.</b>			-
				-
B.	Frames; over 200 n.e 300 girth	94 m	2,000	188,000
				-
C.	Frames; n.e 100 girth	89 m	2,000	178,000
				-
	<b>One coat red oxide primer; two coats gloss oil paint; metal surfaces: external</b>			-
				-
D.	Weld mesh: measured flat overall internal	24 m2	8,000	192,000
				-
E.	Ditto External	24 m2	8,000	192,000
				-
F.	Bars or the like; not exceeding 100mm girth	154 m	2,000	308,000
				-
	<b>TO COLLECTION</b>			<b>2,358,000</b>
				-
	<b>COLLECTION</b>			
	KTGL/LECT/TH/LOT 2/9			6,199,000

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					2,358,000
	KTGL/LECT/TH/LOT 2/10				
	<b>AMOUNT OF ELEMENT NR. 6 - WINDOW CARRIED TO SUMMARY</b>				<b>8,557,000</b>
	<b>ELEMENT NR. 7 - ROOFING</b>				
	<b>ROOF COVERING</b>				
	<b>24 G Resign coated IT6 Sheet lapped to sides and ends as per manufacturers specifications: fixed to timber purlins(m/s)</b>				
A.	Roof covering sloping not exceeding 45 degree from horizontal	266	m <sup>2</sup>	20,000	5,320,000
					-
B.	Ridge capping: 550mm girth	19	m	30,000	570,000
					-
C.	Valley : 550mm girth	10	m	30,000	300,000
					-
	<b>The following roof truss: assemble and hoist approximately 4.9 metres above ground level</b>				-
					-
	<b>The following in 12 No tubular steel roof trusses to BS 449 and 4360 grade 43 A</b>				-
					-
D.	Tubular steel roof truss over 9meters 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		-
					-
E.	Anchor plate; mild steel size 200 x 120 x 3mm thick	24	No.	2,000	48,000
					-
F.	Gusset plate ; mild steel size 125 x100 x 75 x3mm thick	24	No	2,000	48,000
					-
G.	Gusset plate; mild steel size 200 x 100 x3mm thick	24	No.	2,000	48,000
					-
H.	3mm thick u - shape plate overall length 400mm 100mm wide	288	No.	2,000	576,000
					-
J.	Ditto but in L shaped	288	No.	2,000	576,000
					-
	<b>TO COLLECTION</b>				<b>7,486,000</b>
	<b>ROOFING (Cont'd)</b>				
A.	Black bolts, 12mm diameter including one nut and two washers,125mm long	144	No.	4,000	576,000
					-
B.	Anchor bolts 12mm thick 500mm long	48	No.	4,000	192,000
					-
C.	Black bolts, 12mm diameter including one nut and two washers,500mm long	288	No.	4,000	1,152,000
					-
	<b>Treated softwood: pressure impregnated</b>				-
					-
D.	50 x 100mm Wall plate	55	m		
		182	Ft	625	113,438

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					-
E.	50 x 100mm Purlins	804 m			-
		2653 Ft	625		1,658,250
					-
F.	50 x 50mm Branderling	807 m			-
		2663 Ft	400		1,065,240
					-
G	Nails Various sizes	400 kg	4,000		1,600,000
					-
	<b>Hardwood selected</b>				-
					-
H.	Fascia/badge board 25mm thick; 250mm wide	66 m			-
		218 Ft	15,000		3,267,000
					-
	<b>Sundries</b>				-
					-
J.	Drill 50mm thick steel for 12mm bolts	480 No.	4,000		1,920,000
					-
K.	Drill 3mm thick plate for 12mm bolts	480 No.	4,000		1,920,000
					-
L.	Hole through 10mm plywood	48 No	4,000		192,000
					-
	<b>ALUCO BOND PANELS</b>				-
					-
	<b>Composite Aluminium panel (Aluco bond) fixed with approved adhesive to metal background</b>				-
					-
M.	Supply and fix 10mm thick Perforated aluminium composite panels (Euro Bond Mirror Finish) to approved colour complete with structural framing fixed vertically and horizontally	191 m2	243,000		46,413,000
					-
	<b>TO COLLECTION</b>				<b>60,068,928</b>
					-
	<b>ROOFING (Cont'd)</b>				-
					-
	<b>Rain water Installation</b>				-
					-
	<b>Roof drainage</b>				-
					-
	<b>22 G Galvanised Iron sheet rainwater box gutter or similar equal and approved rainwater system with fitting</b>				-
					-
A.	1200mm girth gutter supported by 25 x 4mm Thick mild steel brackets fixed to timber fascia	36 m	65,000		2,340,000
					-
B.	80mm Pipe with standard holder bats plugged and screws to block wall	20 m	65,000		1,300,000
					-
C.	Extra Snanneck outlet	4 No.			-
					-
D.	Extra ;Shoe	4 No.			-
					-
E.	Stop End	4 No.			-
					-
	<b>TO COLLECTION</b>				<b>3,640,000</b>
					-
	<b>COLLECTION</b>				-
					-
					7,486,000
	KTGL/LECT/TH/LOT 2/11				

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	KTGL/LECT/TH/LOT 2/12				60,068,928
	KTGL/LECT/TH/LOT 2/13				3,640,000
	<b>AMOUNT OF ELEMENT NR. 7 - ROOF COMPONENT CARRIED TO SUMMARY</b>				<b>71,194,928</b>
	<b>ELEMENT NR. 8- FINISHING</b>				
	<b>In-situ wall finishings</b>				
	<b>Internal plastering in two coats steel trowelled to a smooth finish: cement and sand (1:4)</b>				
A.	15mm To Walls	234 m2			
		4 m3			
	Cement	31 Bags	22,000		680,772
	Sand	5 m3	20,000		101,088
					-
B.	15mm to Sides of beams	49 m2			
		1 m3			
	Cement	6 Bags	22,000		142,555
	Sand	1 m3	20,000		21,168
					-
C.	15mm to Jambs and Sides of openings	2 m2			
		0 m3			
	Cement	0 Bags	22,000		5,819
	Sand	0 m3	20,000		864
					-
	<b>External Cement and Sand (1:4) rendering with approved plasticiser in two coats steel trowelled to a smooth finish</b>				
D.	22mm to walls	234 m2			
		4 m3			
	Cement	31 Bags	22,000		680,772
	Sand	5 m3	20,000		101,088
					-
E.	To sides of column	74 m2			
		1 m3			
	Cement	10 Bags	22,000		215,287
	Sand	2 m3	20,000		31,968
					-
F.	15mm to soffits of suspended slab	82 m2			
		1 m3			
	Cement	11 Bags	22,000		238,561
	Sand	2 m3	20,000		35,424
					-
G.	15mm to soffits of sloping surface of stairs	7 m2			
		0 m3			
	Cement	1 Bags	22,000		20,365
	Sand	0 m3	20,000		3,024
					-
	<b>Floor Finish</b>				
	<b>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</b>				
H.	40mm Thick laid to falls; cross falls not exceeding 15 degrees from horizontally: to floors	72 m2		40,000	2,880,000

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J.	Ditto to entrance ramp	16	m2	40,000	640,000
					-
K.	Steps: 300mm wide	162	m		-
		49	m2	40,000	1,944,000
					-
L.	Ditto to Risers, 150mm high	162	m		-
		24	m2	40,000	972,000
					-
M.	Ditto skirting 150mm high	70	m		-
		11	m2	40,000	420,000
					-
	<b>TO COLLECTION</b>				<b>9,134,753</b>
	<b>FINISHING (Cont'd)</b>				
	<b>Plain sheet finishing</b>				
	<b>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</b>				
A.	12mm Gypsum ceiling.	179	m2		-
	Gypsum board	80	pc	18,500	1,480,000
	Gypsum Screw	15	Box	10,000	150,000
	Fiber tape	5	Roll	13,000	65,000
	Gypsum powder	15	Bags	33,000	495,000
					-
B.	75 x 75m Cornice/beads	55	m		-
		30	Pc	4,000	120,000
					-
C.	Extra over access panels to ceiling size 600 x 600mm with steel framing fixing with chromium plated screws and cup washers	1	No.		-
					-
	<b>TO COLLECTION</b>				<b>2,310,000</b>
	<b>COLLECTION</b>				
					9,134,753
					2,310,000
	<b>AMOUNT OF FINISHING COMPONENT CARRIED TO SUMMARY</b>				<b>11,444,753</b>
	<b>ELEMENT NR 9 - PAINTING AND DECORATION</b>				
	<b>Prepare and apply one thinned coat of acrylic primer: two coats stucco and filler: two full coats wash 'n' wear silk emulsion paints</b>				
A.	To plastered walls internally	234	m2		
	Silky paints on internal walls	5	Buckets	150,000	750,000
	Emulsion paints; to the walls	7	Buckets	42,000	294,000
					-
B.	To internal sides of beams	49	m2		-
	Silky paints on internal walls	1	Buckets	150,000	150,000
	Emulsion paints; to the walls	2	Buckets	42,000	84,000
					-

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		2	m2			-
C.	To Jamb and Sides of openings	1	Buckets	150,000		150,000
	Silky paints on internal walls	1	Buckets	42,000		42,000
	Emulsion paints; to the walls					-
	<b>Prepare and apply one thinned coat and two full coats of emulsion paints</b>					-
						-
D.	To Gypsum board ceiling	179	m2			420,000
	Emulsion paints; to the walls	10	Buckets	42,000		-
						-
	<b>Prepare surface and apply three coats of external weather guard paint</b>					-
						-
E.	To rendered externally	234	m2			-
	Weather Guards	5	Buckets	165,000		825,000
	White cement	10	Bags	45,000		450,000
	Emulsion paints; to the walls	7	Buckets	42,000		294,000
						-
F.	To plastered sides Column	74	m2		35	2,590
	Weather Guards	1	Buckets	165,000		165,000
	White cement	2	Bags	45,000		90,000
	Emulsion paints; to the walls	1	Buckets	42,000		42,000
						-
G.	To soffits of suspended slab	82	m2			-
	Weather Guards	1	Buckets	165,000		165,000
	White cement	2	Bags	45,000		90,000
	Emulsion paints; to the walls	1	Buckets	42,000		42,000
						-
H.	To soffits of sloping surface of stair	7	m2			-
	Weather Guards	1	Buckets	165,000		165,000
	White cement	1	Bags	45,000		45,000
	Emulsion paints; to the walls	1	Buckets	42,000		42,000
	<b>One coat wood preservative: hardwood surfaces.</b>					-
						-
J.	General surfaces	29	m2		4,000	116,000
						-
K.	Frames girth not exceeding 300mm	32	m		4,000	128,000
						-
	<b>Two coats gloss oil paint: hardwood surfaces ready primed</b>					-
						-
L.	General surfaces	29	m2			-
	Solvent; 5 litre	2	Tins	30,000		60,000
	Varnish	3	Tins	35,000		105,000
						-
M.	Frames girth not exceeding 300mm	32	m			-
	Solvent; 5 litre	2	Tins	30,000		60,000
	Varnish	3	Tins	35,000		105,000
						-
N	<b>Wall tiles</b>					-
	6mmx200mmx300mm ceramic wall tiles	65	m2			-
	Box	65	box	22,000		1,430,000
	Cement 42.5N	4	bags	22,000		88,000
	Sand	1	m3	20,000		20,000
	Stainless steel corner strips	30	m2	5,000		150,000
						-
P	<b>Floor Tiles</b>					-
	300mmx300x9mm non slippery floor tiles	21	m2			-
	Box	15	box	28,000		420,000
	Cement 42.5N	3	bags	22,000		66,000
	Sand	1	m3	20,000		20,000

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AMOUNT OF PAINTING AND DECORATIONS				
CARRIED TO SUMMARY				
				<b>7,075,590</b>
<b>ELEMENT NR 10 - ELECTRICAL INSTALLATION</b>				
<b>LIGHT INSTALLATION</b>				
<b>Final sub-circuit: cable in conduit:</b>				
<b>conduit fixed in chases</b>				
A.	<b>Wiring for lights: 1.5mm<sup>2</sup> single core conductor: as manufactured by 'EURO' or other equal and approved manufacturer fixed to block work background.</b>			
	Final sub-circuit comprising:			
	6No. Switch points	1	No	-
	51No. Light points			-
	10 Fan points			-
<b>Fittings and accessories:</b>				
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	50,000	1,000,000
C.	Decorative light wall mounted complete energy saver			
	10	No	26,000	260,000
D.	Weather proof fittings with 11W energy saver			
	13	No	35,000	455,000
E.	Ceiling fan Panasonic with regulator			
	10	No	150,000	1,500,000
F.	Emergency light with Exit sign as manufactured by Merrier' or other equal and approved manufacturer			
	4	pcs	35,000	140,000
G.	Phillips selecon PL1LED Angle spot light luminaire complete with mounting accessories			
	2	pcs	30,000	60,000
H.	Directional luminaire with alters/bam doors complete with mounting accessories			
	2	pcs	30,000	60,000
J.	Provide moulded for projector cables with '1' PVC conduits			
	1	No	300,000	300,000
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	3,500	3,500
L.	Ditto; 6Amps; Three gang One ways			
	2	No	4,000	8,000
M.	Ditto; 6Amps; Four gang Two ways			
	2	No	7,000	14,000
	Square box single			
	6	No	3,000	18,000
N.	Single core 1.5 sqmm PVC copper cables from			
	10	Roll	58,000	580,000
	10	Roll	58,000	580,000
	10	Roll	58,000	580,000
P.	Single core 2.5 sqmm PVC copper cables from			
	9	Roll	100,000	900,000
	9	Roll	100,000	900,000
	9	Roll	100,000	900,000
<b>TO COLLECTION</b>				<b>8,258,500</b>

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<b>ELECTRICAL INSTALLATION (Cont'd)</b>				
				-
A.	Ditto; 6Amps; Eight gang One ways	1	No	20,000
				20,000
				-
				-
	<b>POWER INSTALLATION</b>			-
				-
	<b>Final sub-circuit: cable in conduit:</b>			-
	<b>conduit fixed in chases: as manufactured by</b>			-
	<b>EURO' or other equal and approved:</b>			-
				-
B.	Ring circuit wiring; 2.5mm <sup>2</sup> single core conductor; to block work background			-
	Final sub-circuit comprising:			-
	11No. Twin Switch socket points	1	No	-
				-
	<b>Fittings and accessories</b>			-
				-
C.	Switch socket outlet; rocker; 13 Amps ;twin flush mounted complete with moulded box; As per 'ABB' or 'MEM'	11	No	12,000
	Square box twin	11	No	3,000
				132,000
				33,000
				-
	<b>Equipment and control gear</b>			-
				-
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	400,000
				400,000
				-
	<b>EARTHING SYSTEM</b>			-
				-
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	1,400,000
				1,400,000
				-
G.	20mm Conduits	600	m	
		200	pc	3,000
				600,000
				-
H.	1 microphone and 4 speaker and all accessories	1	Item	6,000,000
				6,000,000
				-
J.	Allow for TANESCO connection	1	Item	1,500,000
				1,500,000
				-
				<b>10,585,000</b>
				<b>8,258,500</b>
	KTGL/LECT/TH/LOT 2/11			<b>10,585,000</b>
	KTGL/LECT/TH/LOT 2/11			
	<b>TOTAL FOR BUILDER'S WORK TO SUMMARY</b>			<b>18,843,500</b>
	<b>PROVISIONAL</b>			
	<b>PART I - SITE WORKS, GARDENING, ROADS AND PARKING AREAS</b>			
	<b>SITE PREPARATION</b>			
A.	Clear site covered with scrub undergrowth and the like, including grubbing their roots and			

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	dispose as directed	56 m2		-
				-
<b>B.</b>	Excavate oversite everagely 150mm deep, fill and level	54 m2		-
				-
<b>C.</b>	Imported soil filling including excavating in borrows pits and well ram and consolidated to make up levels	21 m3	30,000	630,000
				-
	<u>Manure and Grassing</u>			-
				-
<b>D.</b>	Approved imported vegetable soil, spread and levelled on site average 100mm thick	15 m3	30,000	450,000
				-
<b>E.</b>	Rake vegetable soil, bring to a fine tilth, set grass plants at 200mm centres both ways and maintain until established	33 m2	30,000	990,000
				-
	<u>Roads and Parking</u>			-
				-
<b>F.</b>	Grade and compact surfaces of fill material to falls and cambers	57 m2	30,000	1,710,000
				-
	<u>Gravel/ Sand Filling</u>			-
<b>G.</b>	100mm layer of compacted Blinding; grading to falls.	57 m2	30,000	1,710,000
				-
	<u>Pre cast concrete</u>			-
				-
<b>H.</b>	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	59,000	3,363,000
				-
	<u>Kerbs</u>			-
<b>J.</b>	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	59,000	6,077,000
				-
	<b>TO COLLECTION</b>			<b>14,930,000</b>
	<u>EXTERNAL WORKS (Cont'd)</u>			
	<u>Surface / Rain water channel</u>			
	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		-
				-
<b>A.</b>	100mm layer of compacted Blinding sand to base	33 m2	30,000	990,000
				-
<b>B.</b>	Ditto to battering walls	33 m2	30,000	990,000
				-
	<u>Stone pitch</u>			-
				-
<b>C.</b>	50mm Thick stone pitching to regular pattern; bedding, jointing and pointing in (1:4) Cement mortar to base of surface water channel	33 m2	25,000	825,000
				-
<b>D.</b>	Ditto but to sides/ battering walls	33 m2	25,000	825,000

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	Precast concrete grade '25' reinforced				-
					-
E.	50mm thick channel cover paving slab size 1200 x 600mm with steel wire fabric (m/s)	3	m2	59,000	177,000
					-
	<b>Fabric BRC Mesh</b>				-
					-
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.	3	m2	30,000	90,000
					-
	<b>TO COLLECTION</b>				<b>3,897,000</b>
	<b>COLLECTION:</b>				
	KTGL/LECT/TH/LOT 2/20				14,930,000
	KTGL/LECT/TH/LOT 2/21				3,897,000
	<b>TOTAL FOR EXTERNAL WORK CARRIED TO SUMMARY PAGE</b>				<b>18,827,000</b>
	Hoe	5	PCS	9,000	45,000
	Manila rope	30	PCS	5,000	150,000
	reflector	30	PCS	10,000	300,000
	Helment	30	PCS	18,000	540,000
	Ndoo 10L	50	PCS	7,000	350,000
	safety boots	5	PCS	48,000	240,000
	Axe	2	PCS	35,000	70,000
	sururu	2	PCS	15,000	30,000
	pipe level	1	PCS	18,000	18,000
	conc cutting disk 9"	5	PCS	10,000	50,000
	conc cutting disk 4"	2	PCS	9,000	18,000
	Iron cutting disk 9"	50	PCS	45,000	2,250,000
	Iron cutting disk 4"	10	PCS	45,000	450,000
	nyundoya misumari	4	PCS	27,000	108,000
	nyundoya 2kg	4	PCS	30,000	120,000
	makoleo	5	PCS	20,000	100,000
	Store ledger	15	PCS	10,000	150,000
	gum boots	15	PCS	16,000	240,000
	nyundo 5kg	1	PCS	40,000	40,000
	tank 5000L	1	PCS	1,400,000	1,400,000
	padlocks	2	PCS	35,000	70,000
	Brush 2"	10	PCS	3,000	30,000
	Brush 3"	15	PCS	3,000	45,000
	Brush 4"	10	PCS	3,000	30,000
	panga	3	PCS	17,500	52,500
	tindo	2	PCS	30,000	60,000
	Roller brush 9"	10	PCS	10,000	100,000
	Drilling bit 12 mm	2	PCS	10,000	20,000
	Drilling bit 10 mm	2	PCS	10,000	20,000
	Drilling bit 8 mm	5	PCS	9,000	45,000
	Drilling bit 5 mm	5	PCS	9,000	45,000
	Drilling bit 4 mm	5	PCS	8,000	40,000
	Drilling bit 16mm	1	PCS	20,000	20,000
	Screw driver	4	PCS	9,000	36,000
	Timber saw	10	PCS	48,000	480,000
	Bending Spring 25Mm For Conduit	3	PCS	9,000	27,000
	Bending Spring 20Mm For Conduit	3	PCS	9,000	27,000
	Hose pipe	2	Roll	95,000	190,000
	<b>TO COLLECTION</b>				<b>8,006,500</b>

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<b>PLUMBING MATERIALS</b>				
Disabled toilets with all accessories	1	Pc	280,000	280,000
1/2" Poly pipe	1	Pc	1,000	1,000
1/2" IPS pipes and connectors		Pc	15,000	-
PVC pipe 4" Class B	7	Pc	60,000	400,000
PVC pipe 1 1/2" Class B	7	Pc	20,000	133,333
gate valve 3/4"	4	Pc	15,000	60,000
PVC Bend plain with door 4" Class B	7	Pc	20,000	133,333
PVC Bend plain without door 4" Class B	3	Pc	7,000	18,667
PVC elbow 4" Class B	7	Pc	5,000	33,333
PVC tee 4" Class B	3	Pc	10,000	26,667
PVC cement Class B	13	Pc	20,000	266,667
stop cock 3/4"	4	Pc	25,000	100,000
PVC elbow 1 1/2" Class B	13	Pc	3,000	40,000
PVC Tee 1 1/2" Class B	13	Pc	3,000	40,000
PVC vent cap 4" Class B	3	Pc	3,000	8,000
PVC p trap 4" Class B	4	Pc	5,000	20,000
Reducing bush 3/4" - 1/2"	13	Pc	2,500	33,333
Reducing bush 1" - 3/4"	10	Pc	3,500	35,000
Nipple 1/2"	17	Pc	1,000	16,667
Thread seal tape	13	Pc	800	10,667
IPS pipe 1/2"	7	Pc	15,000	100,000
IPS pipe 3/4"	4	Pc	28,000	112,000
IPS pipe 1"	1	Pc	40,000	53,333
IPS Elbow 1/2"	13	Pc	1,000	13,333
IPS tee 1/2"	13	Pc	1,000	13,333
IPS M/F 1/2"	13	Pc	5,000	66,667
IPS union 3/4"	13	Pc	5,000	66,667
IPS elbow 3/4"	27	Pc	1,500	40,000
IPS tee 3/4"	33	Pc	1,500	50,000
IPS elbow 1"	13	Pc	2,500	33,333
IPS Tee 1"	7	Pc	2,500	16,667
IPS Nipple 1/2"	13	Pc	1,500	20,000
IPS Nipple 3/4"	13	Pc	2,500	33,333
IPS Nipple 1"	7	Pc	2,500	16,667
IPS Socket 1/2"	13	Pc	1,500	20,000
IPS Socket 3/4"	7	Pc	2,500	16,667
Stop cock 3/4"	4	Pc	25,000	100,000
gate valve 3/4"	4	Pc	20,000	80,000
Bib cock 3/4"	4	Pc	25,000	100,000
sanit tank	-	Pc	75,000	-
washing basin	2	Pc	75,000	150,000
Toilet sink (European)	-	Pc	380,000	-
Toilet sink (Asian)	2	Pc	50,000	100,000
Clamp 4"	13	Pc	4,000	53,333
Shattaph	1	Pc	18,000	12,000
IPS union 1"	7	Pc	7,000	46,667
Pvc cape	4	Pc	3,000	12,000
Reducing bush 1 1/2" - 1"	7	Pc	7,000	46,667
Pvc plug 1 1/2"	7	Pc	25,000	166,667
Bottle trap 1 1/4"	3	Pc	15,000	50,000
Angle valve 1/2"	7	Pc	12,000	80,000
Angle valve 3/4 X 1/2"	3	Pc	16,000	53,333
Gate valve 1"	3	Pc	28,000	93,333
Strainer	3	Pc	10,000	30,000
Shower rose	-	Pc	10,000	-
				<b>3,449,333</b>
<b>BILL Nr. 6 - LECTURE THEATRE</b>				
<b>SUMMARY</b>				

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A.	Element No. 1: Substructure		LECT/TH		30,012,731
B.	Element No. 2: Frame		LECT/TH		20,922,890
C.	Element No. 3: Stairs		LECT/TH		5,016,995
D.	Element No. 4 - Wall		LECT/TH		6,394,127
E.	Element No. 5 - Doors		LECT/TH		8,974,000
F.	Element No. 6 - Windows		LECT/TH		8,557,000
G.	Element No. 7 - Roofing		LECT/TH		71,194,928
H.	Element No. 8 - Finishing		LECT/TH		11,444,753
J.	Element No. 9 - Painting and Decoration		LECT/TH		7,075,590
K.	Element No. 10 - Electrical Installation		LECT/TH		18,843,500
M.	Element No. 12 - External Works		LECT/TH		18,827,000
N.	Element No. 13 -Tools & Equipments		LECT/TH		8,006,500
N.	Element No. 14 -Plumbing		LECT/TH		3,449,333
O.	Furniture				
	chair and desk sets placed at the step made of	200	Set	350,000	70,000,000
					<u>288,719,347</u>
	<b>TOTAL OF LECTURE THEATRE</b>				<u>288,719,347</u>
	<b>CARRIED TO GENERAL SUMMARY</b>				

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**WIZARA YA ELIMU, SAYANSI NA TEKNOLOJIA  
CHUO CHA UALIMU BUTIMBA**



**UJENZI WA MADARASA  
MKATABA WA UJENZI**

**A: MASHARTI MAALUM YA MKATABA**

<b>1</b>	<b>MWAJIRI</b>	<b>MKUU WA CHUO CHUO CHA UALIMU BUTIMBA S. L. P. 1114 MWANZA KNY: KATIBU MKUU WIZARA YA ELIMU SAYANSI NA TEKNOLOJIA</b>
<b>2</b>	<b>JINA NA ANWANI YA MZABUNI (<i>Mwajiriwa</i>)</b>	Jina: <b>JAMES ANDREA IFUJA</b> Anwani: <b>S.L.P. 10171, MWANZA.</b> Simu: <b>0784388126</b>
<b>3</b>	<b>ENEO LA UJENZI</b>	<b>CHUO CHA UALIMU BUTIMBA</b>
<b>4</b>	<b>MAELEZO YA KAZI KWA UFUPI</b>	<b>KAZI YA HUDUMA YA KULETA VIFA VYA UJENZI KAMA VILIVYO ORODHESHA KWENYE KIAMBATA</b>
<b>5</b>	<b>GHARAMA YA KAZI</b>	<b>MALIPO YATAFANYIKA KULINGANA NA CALL OF ORDER</b>
<b>6</b>	<b>MUDA WA MKATABA (Tangu Kusainiwa kwa Mkataba):</b>	Tarehe ya Kusaini. <b>04/02/2022</b> Muda: <b>120 - SIKU</b> Tarehe ya Kuanza Kazi. <b>04/02/2022</b> Tarehe ya Kumaliza Kazi. <b>04/06/2022</b>
<b>7</b>	<b>MASHARTI YA MALIPO:</b>	<ul style="list-style-type: none"> <li>• Hakuna Malipo ya Awali</li> <li>• Mzabuni atalipwa baada ya kuwasilisha vifa sehemu husika (site), kukaguliwa na kuridhishwa na ubora na viwango vya vifa vinavyohitajika.</li> </ul>

**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: NICHOLAUS A MAGIGE

SIMU: 0768266944

Cheo: MKUU WA CHUO

Tarehe: 04/02/2022

**SHAHIDI WA MWAJIRI**

Saini:  .....

Jina: DICKSON A MPAMA

SIMU: 0784563045

Cheo: MAKAMU MKUU WA CHUO

Tarehe: 04/02/2022

**MZABUNI:**

Saini:  .....

Jina: JAMES ANDREA IFUJA.

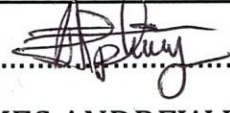
SIMU: 0784388126

Cheo: MZABUNI

Tarehe: 04/02/2022

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**SHAHIDI WA MZABUNI**

Saini:  .....

Jina: JAMES ANDREW IPHUJA.

SIMU: 0622404090

Cheo: MZABUNI MSAIDIZI

Tarehe: 04/02/2022

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>MATERIALS</b>					
<b>A</b>	<b>SUB-STRUCTURE -PROVISIONAL</b>				
1	<b>Strip Foundation - Grade 15 Plain</b>				
	Aggregate (3/4")	12	M3	22,000	264,000
	Sand	6	M3	20,000	120,000
	Cement 42.4N -50kgs	60	Bags	22,000	1,320,000
					-
2	<b>Foundation Walls</b>				
	6" Cement, Chipping & Sand Block	1,500	No	1,000	1,500,000
	Sand	8	M3	20,000	160,000
	Cement 42.4N -50kgs	28	Bags	22,000	616,000
					-
3	<b>Moram, Hardcore &amp; Site sterilization</b>				
	Moram (4.5m3 lorry)	11	Trips	50,000	550,000
	Hardcore (4.5m3 lorry)	8	Trips	90,000	720,000
	Sand	5	M3	20,000	100,000
	Aldrin solution or equal and approved	5	Litres	55,000	275,000
					-
4	<b>Oversite Concrete (100mm thick - 20 grade) &amp; Ground Beam - 20 grade and column base</b>				
	DPM	178	M2	3,600	640,800
	Cement -50kgs	130	Bags	22,000	2,860,000
	Aggregates (1/2")	23	M3	22,000	506,000
	Sand	10	M3	20,000	200,000
	Reinforcement - 16mm diameter high tensile	-	PC'S	40,000	-
	Reinforcement - 12mm diameter high tensile	44	PC'S	29,000	1,276,000
	Reinforcement - 8mm diameter	53	PC'S	15,000	795,000
	Binding Wire - 25kg	1	Roll	100,000	100,000
	A252 Mesh 200 x200x6.16kg/m2	-	PC'S	30,000	-
	20mm styropol comprehensive materials	-	PC'S		-
	Timber 1" X 10" (5.2m long)	13	PC'S	15,000	195,000
	Timber 2" X 2"	10	PC'S	8,000	80,000
	Nails-4"	8	Kgs	4,000	32,000
	Nails-3"	8	Kgs	4,000	32,000
	Supporting props	12	PC'S	15,000	180,000
<b>SUB-TOTAL SUBSTRUCTURE</b>					<b>12,521,800</b>
ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>B.</b>	<b>SUPERSTRUCTURE</b>				
1	<b>Walls &amp; Ring beam &amp; Columns</b>				
	6" Cement, Chipping & Sand Block	2,601	No	1,000	2,601,000
	Cement & Sand Perforated blocks	-	No	-	-
	DPC (20m long)	1	Roll	220,000	220,000
	Sand	15	M3	20,000	300,000
	Cement-50kgs	78	Bags	22,000	1,716,000
	Aggregates (1/2")	4	M3	22,000	88,000

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	Reinforcement - 12mm diameter high tensile	26	PC'S	29,000	754,000
	Reinforcement - 8mm diameter	22	PC'S	15,000	330,000
	Binding Wire - 25kg	1	Roll	100,000	100,000
	A252 Mesh 200 x200x6.16kg	-	PC'S	30,000	-
	Timber 1" X 10" to Sides (5.2m long)	25	PC'S	14,000	350,000
	Timber 1" X 10" (Plates)	4	PC'S	14,000	56,000
	Timber 2" X 2"	15	PC'S	3,500	52,500
	Supporting Props	25	PC'S	15,000	375,000
	20mm styropol comprehensive materials	-	PC'S	-	-
	<b>SUB-TOTAL SUPER STRUCTURE</b>				<b>6,942,500</b>
<b>C.</b>	<b>ROOF STRUCTURE &amp; COVERING</b>				
1	<u>Roof Structure - Provisional ( 5.2m long)</u>				
	Timber 2 " X 3" Purlins	78	PC'S	6,000	468,000
	Timber 2" X 4" King Post, wall plate and struts	75	PC'S	7,000	525,000
	Timber 2" X 6" Rafter and Tie beam	83	PC'S	13,000	1,079,000
	Fascia board 1" X 10" (5.2m long)	15	PC'S	14,000	210,000
	Nails -5"	75	Kgs	4,000	300,000
	Nails -4"	50	Kgs	4,000	200,000
	Nails -3"	25	Kgs	4,000	100,000
	NOTE: The above softwood timber structure should be pressure impregnated treated				
2	<u>Roof Covering -as per ALAF or equal and approved</u>				
	28G IT5 resincoated sheet	288	M2	45,500	13,104,000
	Hips/Ridge and valley - 28 G (3m long)	15	PC'S	30,000	450,000
	Roofing Nails	30	Packet	10,000	300,000
	<b>TO COLLECTION</b>				<b>16,736,000</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>PRICE-TZS</b>	<b>AMOUNT</b>
	<b>ROOF STRUCTURE &amp; COVERING CONT...</b>				
3	<u>Gutter's</u>				
	Upvc 100mm half round (6m long)-5"	12	PC'S	30,000	360,000
	Upvc 75mm diameter down pipe; Class B	2	PC'S	27,000	54,000
	PVC outlet	2	PC'S	8,000	16,000
	PVC bend 90'	2	PC'S	8,000	16,000
	PVC bend 45'	4	PC'S	8,000	32,000
	Gutter support bracket	62	PC'S	4,000	248,000
	Gutter Clamp 3"	8	PC'S	3,000	24,000
	Connector/reducer	10	PC'S	4,000	40,000
	Connector outer	4	PC'S	5,000	20,000
	Corner Inner	4	PC'S	8,000	32,000
	<b>SUB-TOTAL ROOF STRUCTURE &amp; COVERING</b>				<b>17,578,000</b>
<b>E.</b>	<b>CEILING</b>				
	Gypsum board -9mm thick	51	PC'S	18,500	943,500

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	Plain Cornice (8ft)	35	PC'S	4,000	140,000
	Gypsum Screw 1" 800pcs/box	1	Box	10,000	10,000
	Screw 1.25" 800pcs/box	1	Box	10,000	10,000
	Gypsum powder	12	Bags	33,000	396,000
	Fibre tape	3	Pcs	10,000	30,000
	Treated softwood Timber 2" X 2"	124	PC'S	4,000	496,000
	Nails 4"	14	Kgs	4,000	56,000
	Nails 3"	6	Kgs	4,000	24,000
	PVC ceiling with its fittings	-	Pc's	-	-
	<b>SUB-TOTAL FOR CEILING</b>				<b>2,105,500</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>PRICE-TZS</b>	<b>AMOUNT</b>
<b>F.</b>	<b>DOOR</b>				
1	<b>40mm thick hardwood paneled door shutter</b>				
	900 x2100mm high	3	PC'S	350,000	1,050,000
2	<b>Frames (hardwood),Varnish, Glass &amp; Burglar bar</b>				
	900 x 2500 mm high frame	3	PC'S	150,000	450,000
	5mm thick clear glass to Vents	1	M2	40,000	40,000
	16 mm burglar bars	1	PC'S	40,000	40,000
	Brush 3"	3	Pcs	3,000	9,000
	Sand paper (msasa) No.80	8	LM	2,000	16,000
	Clear Varnish - 4Litres	4	TIN	35,000	140,000
	Thinner for Varnish -4Litres	3	Litres	35,000	105,000
					-
3	<b>IronMongeries - ref Union</b>				
	Mortice lock Three lever - ref: union	3	No	80,000	240,000
	Brass hinges - 100mm	8	Pairs	4,000	32,000
	Wood Screw	1	Box	5,000	5,000
					-
	<b>SUB-TOTAL FOR DOORS</b>				<b>2,127,000</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>PRICE-TZS</b>	<b>AMOUNT</b>
<b>A</b>	<b>WINDOWS</b>				
1	<b>Supply and fix Aluminium Windows 2mm thick frame with 5mm thick glass, Mosquito gauze, ironmongeries and all necessary accessories</b>				
	1500 X 1500mm high	11	PC'S	140,000	1,540,000
	1100 X 1500mm high	1	PC'S	240,000	240,000
					-
	<b>SUB-TOTAL FOR WINDOWS</b>				<b>1,780,000</b>
<b>B</b>	<b>FINISHING</b>				
1	<b>Floor finishing - Bedding/Backing; cement sand and Chipping (1:2:2); to steel</b>				

	50mm Thick granolithic floor screed steel trowelling to smooth finishing				
	Sand	8	M3	20,000	160,000
	Cement-50kgs	57	Bags	22,000	1,254,000
	Chipping	12	M3	100,000	1,200,000
					-
<b>2</b>	<b>Wall Finishing</b>				-
	Sand	12	M3	20,000	240,000
	Cement-50kgs	50	Bags	22,000	1,100,000
	White cement - 50kg	7	Bags	45,000	315,000
	Gypsum powder	11	Bags	33,000	363,000
	<b>SUB-TOTAL FOR FINISHING</b>				<b>4,632,000</b>
<b>C</b>	<b>PAINTING &amp; DECORATION</b>				
	Emulsion Paint - 20 LTRS (Plascon)	10	buckets	42,000	420,000
	Weather guard Paint - 20 LTRS (Plascon)	4	buckets	165,000	660,000
	Washable paint -20 LTRS (Plascon)	5	buckets	150,000	750,000
	Primer paint -20 LTRS (Plascon)	2	buckets	120,000	240,000
	Solvent - 5LTRS	2	TIN	35,000	70,000
	Brush 3"	2	Pcs	3,000	6,000
	Roller	2	Pcs	5,000	10,000
	Gloss paint-4LTR (Plascon)	3	TIN	35,000	105,000
	Bitumen paint - 4Litres (Plascon)	4	TIN	45,000	180,000
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				<b>2,441,000</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>PRICE-TZS</b>	<b>AMOUNT</b>
	<b>ELECTRICAL INSTALLATION</b>				
	<b>Power Distribution.</b>				
A	6 Ways SPN distribution board (DB 3 ) with 63A/0.3mA RCCB	1	No	120,000	120,000
					-
B	4C x16 mm2 Cu,PVC/PVC cable from neaby Tanesco LV Pole to	25	Lm	15,000	375,000
					-
C	1C x 10mm2 Cu/PVC Green/Yellow earth cable.	20	Lm	3,000	60,000
					-
	<b>Small Power Distribution</b>				-
					-
D	25mm Heavy duty PVC Conduity concealed under walls and roof	16	Nos	3,000	48,000
					-
E	Single core 2.5 sqmm PVC copper cables from distribution Boards to all power outlet points				-
	Red Wire	100	Lm	550	55,000
	Black Wire	100	Lm	550	55,000
	Green Wire	100	Lm	550	55,000
F	2 x13A switched raw power socket including outlet box	8	Nos	12,000	96,000
G	Telecommunications outlet box	4	Nos	14,000	56,000

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					-
	<b>Light Fittings</b>				-
H	20mm Heavy duty PVC Conduity concealed under walls and roof	80	Nos	3,000	240,000
J	to all lighting and ceiling fans outlet points				-
	Red Wire	195	Lm	1,000	195,000
	Black Wire	195	Lm	1,000	195,000
	Green Wire	100	Lm	1,000	100,000
					-
K	TYPE A:1 x 36W; 1200mm standard, fluoresent fitting as LIGHTING DIRECT PHOENIX	22	Nos	13,000	286,000
					-
L	THORN LUX TLX - 1204 ( In black finish)	4	Nos	28,000	112,000
					-
M	56" Blade Panasonic Ceiling fan c/w fan regulator ex.Japan	14	Nos	150,000	2,100,000
					-
N	2 way 2 gang light switch as Legrand or equivalent	-	Nos	5,000	-
					-
O	1 way 1 gang light switch as Legrand or equivalent	1	Nos	3,500	3,500
					-
P	1 way 2 gang light switch as Legrand or equivalent	3	Nos	4,500	13,500
					-
C	100mm diameter heavy gauge PVC Pipe	2	Nos	4,000	8,000
					-
D	Allow for earthing of the entire building in accordance with I.E.E. and TANESCO regulations to the whole of electrical installations	1	item	600,000	600,000
	<b>ELECTRICAL INSTALLATION CARRIED TO SUMMARY</b>				<b>4,773,000</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>		
	<b>FURNITURE</b>				
	Furniture	100	set	50,000	5,000,000
					<b>5,000,000</b>
	<b>GENERAL SUMMARY</b>				AMOUNT
					TZS
	<b>2NO. CLASSROOM WITH OFFICE BLOCK</b>				
A.	SUB-STRUCTURE -PROVISIONAL				12,521,800
B.	SUPERSTRUCTURE				6,942,500
C.	ROOF STRUCTURE & COVERING				17,578,000
D.	CEILING				2,105,500
E.	DOOR				2,127,000
F.	WINDOWS				1,780,000
G.	FINISHING				4,632,000

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H.	PAINTING & DECORATION				2,441,000
J.	ELECTRICAL INSTALLATION				4,773,000
N	Furniture				5,000,000
	SUB TOTAL				<b>59,900,800</b>
	<b>TOTAL MATERIALS COST</b>				<b>59,900,800</b>

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