

PART NO. 3
BUILDER'S WORK

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

SUBSTRUCTURE (All Provisional)

		Qty	Unit	Rate	KSHS	CTS
	D20 EXCAVATING AND FILLING;					
	SITE PREPARATION;					
	Clearing site vegetation, grubbing up roots and filling up voids left with selected excavated material;					
a	Bushes, shrubs, undergrowth or the like and cart away from site including cutting down trees not exceeding 900mm girth;	118	m2			
	EXCAVATING					
	Topsoil for preservation;					
b	200 mm average depth starting from existing ground level;	118	m2			
	Excavations to reduce levels;					
c	Not exceeding 1.5 m deep starting from stripped level;	59	m3			
	Excavations for Strip Footing;					
d	Not exceeding 1.5 m deep starting from reduced level;	43	m3			
	DISPOSAL					
	Excavated material;					
e	Off site to contractor's tip;	74	m3			
	FILLING TO EXCAVATIONS					
f	Return fill and ram approved imported material around foundations	28	m3			

To Collection KSHS

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

SUBSTRUCTURE (All Provisional)

		Qty	Unit	Rate	KSHS	CTS
D20 EXCAVATING AND FILLING; continued ...						
HARDCORE						
a	300 mm thick; well compacted in layers of 150mm maximum thickness to approval of the Structural Engineer;	93	m2			
MURRAM BLINDING						
b	Blinding on surfaces of hardcore fill; 50 mm thick;	93	m2			
HERBICIDES / INSECTICIDES						
c	Applying to surfaces Apply anti-termite treatment; "Termidor" or equal and approved in accordance with manufacturers' printed specifications and ten years guarantee;	93	m2			
SURFACE TREATMENTS						
d	Planking and Strutting Labour and materials; to uphold the sides of excavations; generally		item			
e	Disposal of Water Labour and materials; Keeping excavations free from general water		item			
					To Collection KSHS	

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

SUBSTRUCTURE (All Provisional)

		Qty	Unit	Rate	KSHS	CTS
	E05 IN SITU CONCRETE CONSTRUCTION GENERALLY					
	50 mm thick mass concrete 1:4:8 foundation blinding;					
	To Strip foundation;					
a	Generally;	28	m2			
	Vibrated Reinforced Concrete; Class 20(20mm agg); mix 1:2:4;					
	To Strip foundation;					
b	Generally;	6	m3			
	Ramps;					
c	Generally;	1	m3			
	Ground Beams;					
d	Generally;	3	m3			
	Floor bed;					
e	150 mm thick;	93	m2			
	E20 FORMWORK FOR IN SITU CONCRETE					
	SAWN FORMWORK					
	Strip Footing;					
f	Over 300 mm wide;	19	m2			
	Sides of Ground Beam ;					
g	Over 75mm but not exceeding 150 mm wide;	27	m2			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
E30 REINFORCEMENT FOR IN SITU CONCRETE						
REINFORCEMENT						
1 Layer of Fabric reinforcement to BS 4483; reference A142 mesh 200 x 200 mm weight 2.22kgs per square metre (measured net - no allowance made for laps); including bends, tying wire and distance blocks;						
a	Generally;	93	m2			
Bars; Round; Ribbed; cold worked; b.s. 4449 - 2005, including bends, hooks tying wire, distance blocks and spacers all in position as necessary;						
Deformed Bars						
b	8 mm Diameter;	160	Kg			
c	10 mm Diameter;	320	Kg			
d	12 mm Diameter;	320	Kg			
F20 NATURAL STONE WALLING						
Natural quarry stone work rough chissel dressed; jointed in cement sand mortar (1:3)						
Walls						
e	200 mm thick	71	m2			
To Collection KSHS						

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

SUBSTRUCTURE (All Provisional)

		Qty	Unit	Rate	KSHS	CTS
F30 ACCESSORIES AND SUNDRY ITEMS FOR STONE WALLING						
DAMP PROOF COURSES						
a	On surfaces 200 mm wide;	47	m			
Polythene based damp proof Membrane 1000 gauge in one layer;						
b	On surfaces Over 300 mm wide	93	m ²			
M10 SAND CEMENT /RENDERING						
20 mm thick Cement and sand (1:3) rendering; finishing trowelled smooth						
c	Walls Over 300 wide	8	m ²			
M12 TROWELLED BITUMEN						
Lightweight bituminous insulating paint;						
d	Walls Over 300 wide; external	8	m ²			
e	Light duty concrete paving blocks size 600x600 x 50 mm as per Bamburi or other equal and approved catalogue; laid on and including 50 mm screeded fine ballast or sand bed and compacted by surface vibration	16	m ²			
f	Precast concrete class 20 finished fair on all exposed surfaces, bedded, jointed and pointed in cement and sand (1:3) mortar 125 x 250 mm kerb rounded on one corner; laid on and including concrete 1:3:6 base size 450 x 200mm haunched up behind; including all necessary excavations and formwork	43	m			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
	Collection					
	Total from Page 3/1					
	Total from Page 3/2					
	Total from Page 3/3					
	Total from Page 3/4					
	Total from Page 3/5					
				To Summary KSHS		

		Qty	Unit	Rate	KSHS	CTS
E05 IN SITU CONCRETE CONSTRUCTION GENERALLY Vibrated Reinforced Concrete; Class 20(20mm agg); mix 1:2:4; Ring beams a Generally;		3	m3			
Worktops b 150mm thick; Generally;		5	m2			
E20 FORMWORK FOR IN SITU CONCRETE SAWN FORMWORK Sides and soffits of Ring beams; c Over 300 mm wide;						
Sides and soffits of Worktops; b Over 300 mm wide;		5	m2			
				To Collection KSHS		

		Qty	Unit	Rate	KSHS	CTS
E30 REINFORCEMENT FOR IN SITU CONCRETE						
REINFORCEMENT						
Bars; Round; Ribbed; cold worked; B.S. 4449 - 2005, including bends, hooks tying wire, distance blocks and spacers all in position as necessary;						
Deformed Bars						
a	8 mm Diameter;	90	Kg			
b	12 mm Diameter;	210	Kg			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
	<p>Collection</p> <p>Total from Page 3/7</p> <p>Total from Page 3/8</p>					
				To Summary KSHS		

		Qty	Unit	Rate	KSHS	CTS
G10 STRUCTURAL TIMBER FRAMING; ALL PROVISIONAL						
Supply and fix the following;						
Seasoned pressure impregnated cypress second grade or equal and approved softwood timber members; erected above ground; to height not exceeding 3000 mm above existing ground floor level with and including plates, cleats, bolts, nails and the like						
Pitched roof members;						
a	100 x 50 mm; Rafters;	25	m			
b	Ditto Tie Beam:	46	m			
c	Ditto King Post	2	m			
d	100 x 50 mm Wall Plate secured with and including 12mm diameter mild steel j-bolts including mortise in concrete grouted in cement and sand (1:3) mortar	53	m			
e	75 x 50 mm; Purlins	90	m			
f	150 x 50mm ;Ridge Board	1	m			
g	75 x 50 mm; ties/struts;	24	m			
h	100 x 50 mm; Hip and Valley Rafters	66	m			
i	200 x 25 mm Fascia/Berge board fixed to timber rafters with and including all fixing accessories;	45	m			
H31 PLASTIC PROFILED						
Gutters and linings						
j	140 mm diameter half round eaves gutter including fixing clamps at 600 mm centers; with and including swan neck and forming holes for downpipes;	45	m			
				To Collection KSHS		

		Qty	Unit	Rate	KSHS	CTS
	H31 PLASTIC PROFILED cont...					
a	<p>Down pipes;</p> <p>75 mm diameter rainwater downpipe ,fixed onto walls with and including clamping or clips complete with shoes, neck-offset, closed ends and any other necessary accessories;</p>	7	m			
	K10 TILE ROOFING					
	<p>Supply and fix galvanized IT5 - AZ 150 ZincAl, fluted "box" profiled steel roofing sheet covering; manufactured by "SAFAL group;gauge 28 ; pre-painted of approved colour and size, including edging trim, firmly secured with galvanised steel screws with end and side laps;fixed onto timber structure with all necessary curvatures, hoisting, placing and connections;</p> <p>Coverings; fixing every tile on every fourth course with 38mm galvanized nails; to 75 mm laps</p>					
b	Sloping not exceeding 30 degrees from horizontal;	140	m2			
c	350 mm Ridge cap to match;	1	m			
d	350mm Valleys and Hips to match	33	m			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
	<p>Collection</p> <p>Total from Page 3/10</p> <p>Total from Page 3/11</p>					
	To Summary KSHS					

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

WALLS

		Qty	Unit	Rate	KSHS	CTS
F21 NATURAL STONE / MASONRY WALLING						
Approved local stone; squared; machine cut ; bedding and jointed in cement sand mortar (1:4);						
	External walling;					
a	200 mm thick;	79	m2			
b	Extra Over Ditto for Pointing and Keying	79	m2			
Approved local stone; squared; machine cut ; bedding and jointed in cement sand mortar (1:4);						
	Internal walling;					
c	200 mm thick;	39	m2			
d	150 mm thick;	59	m2			
To Collection KSHS						

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

WALLS

		Qty	Unit	Rate	KSHS	CTS
	<p>Collection</p> <p>Total from Page 3/13</p>					
				To Summary KSHS		

		Qty	Unit	Rate	KSHS	CTS
a	<p>F31 PRECAST CONCRETE CILLS</p> <p>Approved pre-cast concrete cill: bedded and jointed in cement sand (1:3) mortar: pointed in matching coloured cement;</p> <p>Cills;</p> <p>275 x 50 mm thick cill; once weathered and throated; reinforced as necessary for handling</p>	14	m			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
L10 WINDOWS						
SCREENS / FAÇADE / CURTAIN WALL						
Supply and fix heavy duty steel casement windows; standard hollow or angle sections; frames mitred at corners including reinforcing cleats and approved patterned solid steel burglar bars and all necessary ironmongery; fixing with steel screws; plugging or fixing to concrete, block work or stone work; sealing with mastic; oiling and adjusting on completion; all in accordance with referenced Architect drawings						
a	Window overall size 5100 x 600 mm high; to architect's detailed drawings W1	1	No.			
b	Window overall size 1200 x 900 mm high; to architect's detailed drawings W2	6	No.			
c	Window overall size 2150 x 600 mm high; to architect's detailed drawings W3	1	No.			
L40 GENERAL GLAZING						
4 mm Thick obscured glass and glazing to metal as described in :-						
To metalwork with putty;						
d	In panes not exceeding 0.10 - 0.50 square meters;	10	m2			
4 mm Thick clear glass and glazing to metal as described in :-						
To metalwork with putty;						
e	In panes not exceeding 0.10 - 0.50 square meters;	1	m2			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
a	<p>M60 PAINTING/CLEAR FINISHING</p> <p>PAINTING METAL</p> <p>Prepare and apply one under coat; two coats oil paint full gloss finish; to crown paint or equal and approved;</p> <p>Window surfaces; generally over 300 mm wide; both sides measured;</p>	22	m2			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
	<p>Collection</p> <p>Total from Page 3/15</p> <p>Total from Page 3/16</p> <p>Total from Page 3/17</p>					
	To Summary KSHS					

		Qty	Unit	Rate	KSHS	CTS
L20 DOORS						
TIMBER / FLUSH DOORS;EXTERNALLY						
Supply and fix 50 mm Thick flush door: Single action;Solid core; hardwood veneer facing to both sides: hardwood lipped edges to BS 459; to referenced Architect's drawings;						
a	Door size 1500 × 2400mm; Double Leaf; D1	3	No			
b	Door size 900 × 2400mm; Single Leaf;D2	1	No			
TIMBER / FLUSH DOORS;INTERNALLY						
Supply and fix 45 mm Thick flush door: Semi-Solid core; Mahogany veneer facing to both sides: hardwood lipped edges to BS 459;						
c	Single leaf, single swing door overall size 900 x 2100 mm high;	13	No			
					To Collection KSHS	

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

DOORS

		Qty	Unit	Rate	KSHS	CTS
PRIME GRADE STAINED; CYPRESS						
	Door frames / transomes Including Door Linings(Architraves & Quadrant)					
a	200 x 50 mm thick;	91	m			
b	200 x 25 mm thick Transomes	5	m			
M60 PAINTING/CLEAR FINISHING						
Prepare and apply one coat of aluminium wood primer on timber surfaces in contact with concrete or masonry;						
	General surfaces					
c	Over 100 but not exceeding 200 mm girth;	91	m			
Prepare surfaces: apply three coats polyurethane clear lacquer or other equal approved: on timber surfaces: to						
	General surfaces					
d	Frames; over 100 mm but not exceeding 200 mm girth;	91	m			
e	Over 300 mm girth;	75	m2			
f	Ditto but to fascia boards	9	m2			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
<p>P21 IRONMONGERY</p> <p>NOTE: This section only caters for TIMBER DOORS ONLY. Therefore, bidders MUST factor in their costs all iron mongery and other accessories as described in their rates of all other doors.</p> <p>Supply and Fix the following as per Union Catalogue or other equal and approved; to soft wood, hardwood or the like; fixing with matching screws;</p>						
	Hinges;					
a	100 mm brass, heavy duty 2 ball bearing hinges;	30	Pair			
	Mortice Locks;					
b	Three lever mortice lock No. 2295 with one pair of lever handles with escutcheon No. 680-06-2	4	No			
c	Two lever mortice lock No. 2295 with one pair of lever handles with escutcheon No. 680-06-2	13	No			
d	Door stops No. 8400; oval / brass 38 mm	17	No			
e	Aluminium sex indicator plates	3	No			
f	push and Pull Door Handles	3	No			
g	Recessed Door flush bolts as brass- 200mm	6	No			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
	<p>Collection</p> <p>Total from Page 3/19</p> <p>Total from Page 3/20</p> <p>Total from Page 3/21</p>					
				To Summary KSHS		

		Qty	Unit	Rate	KSHS	CTS
	<p>M10 SAND CEMENT /CONCRETE SCREEDS /FLOORING</p> <p>CEMENT AND SAND</p> <p>15 mm thick backing screed; wood floated to receive Ceramic wall tiles; (m/s) to concrete or blockwork base generally;</p> <p>Over 300 mm wide;</p>	198	m2			
a						
	<p>M20 PLASTERED /RENDERED</p> <p>Render; 9 mm first coat of cement and sand 1:6; 3 mm second coat of cement sand and lime putty (1:10); steel trowelled smooth;</p> <p>Ring Beams; Over 300 mm wide;</p>	9	m2			
b						
To Collection KSHS						

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

WALL FINISHES

		Qty	Unit	Rate	KSHS	CTS
	M20 PLASTERED /RENDERED continued ...					
	Plaster; 9 mm first coat of cement and sand 1:6; 3 mm second coat of cement sand and lime putty (1:10); steel trowelled smooth;					
	12 mm thick in 2 No coats work; to concrete or blockwork base (m/s); generally to internal surfaces;					
a	Walls; over 300 mm wide;	77	m2			
b	Beams; Over 300 mm wide;	34	m2			
	M40 CERAMIC TILING					
	NOTE:					
	Tenderer to Quote for Supply and and fixing of SAJ tiles including all necessary plastic edge strips					
	Approved size ceramic wall tiles including fixing on cement sand screed backing (m.s);					
c	Approved size; butt joints straight both ways; to cement and sand base (m/s); Over 300 mm wide;;	198	m2			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
M60 PAINTING/CLEAR FINISHING						
PAINTING PLASTER						
Prepare by skimming plastered surface; apply one undercoat; two coats of premium silk vinyl paint as ideal paints, basco paints, crown paints, or equal and approved;						
Steel trowelled plastered surfaces;						
a	Walls; over 300 mm wide;	77	m2			
b	Beams; Over 300 mm wide;	34	m2			
PAINTING RENDER						
Prepare and apply one undercoat; two finishing coat of textured special effect paint of approved quality;						
Steel trowelled plastered surfaces;						
c	Beams; Over 300 mm wide;	9	m2			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
	<p>Collection</p> <p>Total from Page 3/23</p> <p>Total from Page 3/24</p> <p>Total from Page 3/25</p>					
				To Summary KSHS		

		Qty	Unit	Rate	KSHS	CTS
	M10 SAND CEMENT /CONCRETE SCREEDS					
	CEMENT AND SAND					
	32 mm thick backing; wood floated to receive ceramic floor tiles; (m/s) to concrete or block work base generally;					
a	Over 300 mm wide;	93	m2			
b	100 mm high skirting;	18	m			

To Collection KSHS

		Qty	Unit	Rate	KSHS	CTS
<p>M40 STONE /CONCRETE /QUARRY /CERAMIC TILING/MOSAIC Continued....</p> <p>Tenderer to Quote for Supply and and fixing of SAJ tiles including all necessary plastic edge strips</p> <p>Approved ceramic Floor tiles including fixing on cement sand screed backing (m.s);</p>						
a	300mmx300mmx10mm thick; butt joints straight both ways; to cement and sand base (m/s); over 300 mm wide;	93	m2			
b	100 mm high; Skirting;	18	m			
To Collection KSHS						

		Qty	Unit	Rate	KSHS	CTS
	<p>Collection</p> <p>Total from Page 3/27</p> <p>Total from Page 3/28</p>					
To Summary KSHS						

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

		Qty	Unit	Rate	KSHS	CTS
	<p>Summary</p> <p>SUBSTRUCTURES Page 3/6</p> <p>FRAME Page 3/9</p> <p>ROOF Page 3/13</p> <p>WALLS Page 3/14</p> <p>WINDOWS Page 3/18</p> <p>DOORS Page 3/23</p> <p>WALL FINISHES Page 3/26</p> <p>FLOOR FINISHES Page 3/29</p>					
	SUBTOTAL					
	X 2NO BLOCKS					
Total for Bill KSHS						

PART NO. 4
PROVISIONAL SUMS

NO.	DESCRIPTION			
	<p><u>PART NO. 4</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>ELEMENT NO. 1</u></p> <p><u>NOTES:</u></p> <p>1. The following sums may be expended in whole or in part at the sole discretion and on the sole written authority of the Project Manager.</p> <p>2. The following sums <u>include</u> 16% V.A.T.</p> <p><u>Provide Provisional Sums to cover the cost of the following items to be carried out at Main Contractor's Bill rates or rates pro-rata thereto:</u></p> <p>A <u>Electrical Installation Works</u></p> <p>Shillings One Hundred Thousand (Shs. 100,000.00) for Electrical Installtion Works to Electrical Engineer's details;</p> <p>B <u>Contigencies</u></p> <p>Shillings One Hundred Thousand (Shs. 100,000.00) only for contingencies to cover cost of any unforeseen or minor additional works;</p>			
	<p>Total Amount of Element No. 1 Provisional Sums Carried to Part Summary</p>			<p>200,000.00</p>

NO.	DESCRIPTION										
	<p data-bbox="121 230 268 264"><u>SUMMARY</u></p> <p data-bbox="368 300 644 333" style="text-align: center;"><u>PROVISIONAL SUMS</u></p> <table border="0" data-bbox="121 369 1495 1998"> <thead> <tr> <th data-bbox="121 369 316 403"><u>ELEMENT NO.</u></th> <th data-bbox="472 369 603 403"><u>ELEMENT</u></th> <th data-bbox="1342 477 1495 510"></th> </tr> </thead> <tbody> <tr> <td data-bbox="185 477 201 510" style="text-align: center;">1</td> <td data-bbox="437 477 644 510" style="text-align: center;">Provisional Sums</td> <td data-bbox="1342 477 1495 510" style="text-align: right;">200,000.00</td> </tr> <tr> <td colspan="2" data-bbox="252 2027 951 2060" style="text-align: center;">TOTAL FOR PROVISIONAL SUMS TO MAIN SUMMARY</td> <td data-bbox="1342 2027 1495 2060" style="text-align: right;">200,000.00</td> </tr> </tbody> </table>		<u>ELEMENT NO.</u>	<u>ELEMENT</u>		1	Provisional Sums	200,000.00	TOTAL FOR PROVISIONAL SUMS TO MAIN SUMMARY		200,000.00
<u>ELEMENT NO.</u>	<u>ELEMENT</u>										
1	Provisional Sums	200,000.00									
TOTAL FOR PROVISIONAL SUMS TO MAIN SUMMARY		200,000.00									
	<p data-bbox="252 2027 951 2060" style="text-align: center;">TOTAL FOR PROVISIONAL SUMS TO MAIN SUMMARY</p> <p data-bbox="1342 2027 1495 2060" style="text-align: right;">200,000.00</p>										

PART NO. 5
PRIME COST SUMS

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS				MECHANICAL	
		Qty	Unit	Rate	KSHS CTS
<p>ELEMENT No.1: SANITARY APPLIANCES</p> <p>SANITARY FITTINGS</p> <p>Supply, deliver and install the following appliances including</p> <p>NOTE: TRADE NAMES</p> <p>Where Trade Names are mentioned below, it is only intended to indicate the level of quality required. The tenderer MAY supply alternatives which must be approved in writing by the Architect. See also TSS-003, TSS-004</p>					
<p>Water Closet Suites</p>					
a	White glazed ceramic squatting WC pan for high level wash-down action cast in concrete floor slab, as Duravit Dune, Twyford SAHAR or NILE or approved equivalent complete with and including horizontal outlet, 6 litre flush cistern, screwed to wall and fixed on wall brackets , 'S' or 'P' trap outlet dimensions 650x355mm, flash valves, insulation against condensation for cistern and flush pipe and all other necessary accessories	7	No		-
b	Water closet suite as Duravit Dune ,Twyford SAHAR or NILE or approved equivalent comprising: Floor Standing WC Pan Horizontal Outlet or equal with a horizontal outlet and back inlet complete with heavy duty seat and cover with stainless steel top fixed hinges ,6 litre flush cistern,WC connectors, protection plug for 45mm diameter flush pipe, insulation against condensation for cistern and flush pipe, fastening brackets and frame, protection cover for service opening,flash valves, 'S' or 'P' trap outlet dimensions 650x355mm and all other necessary accessories	4	No		-
<p>Disabled Persons water Closet and Wash hand Basin Facility</p>					
<p>Ambulant Disabled Water Closet</p>					
c	Low level wash down water Closet suite for the elderly and disabled in white complete with Low Level Wash Hand Basin and Horizontal Outlet and BOTTOM SUPPLY AND OVERFLOW WITH CLOSE COUPLING SIDE LEVER TREATMENT 7.5 litre cistern, raised heavy duty toilet seat and cover and S-Trap outlet and 600x35 mm stainless steel grab rails (3 No) in stainless steel. All to be as 'Twyfords Avalon BTW' or approved equivalent	1	No		-
To Collection KSHS					

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

MECHANICAL

		Qty	Unit	Rate	KSHS	CTS
a	Wash hand basin - Countertop 650X480mm Countertop Wash Basin as Duravit with one tap holes and chain stay hole complete with; Cobra Watertech Ref. No. 308 chrome plated 1 1/4" cast basin waste, 62 mm diameter flange, 80mm long shank, unslotted, Cobra Watertech Ref. No. 340 chrome plated 1 1/4" x 1 1/4" bottle trap with 75 mm deep seal and 200 mm long tail pipe, cap-nut and wall flange with and including 15 mm diameter angle regulating valve with a 300 mm long flexible tubing as "pegler" or approved equivalent.	9	No			
b	Ditto but to Pedestal, size 585x450mm, complete with all necessary accessories	6	No			
c	Tissue Dispenser Tissue dispenser as "Mediclinics" CP or equal and approved.	3	No			
d	Toilet Roll Holder White vitreous china build-in toilet roll holder 150 x 150 mm as Twyford's Bathrooms Ltd Ref. No. VC 9806 WH.	12	No			
e	Soap Dispenser 1.3 Litre capacity soap dispenser as "Mediclinics" CP or equal and approved.	3	No			
f	Hand Drier The hand drier shall be operated by infrared sensor, which switches on when hands are placed under the hot-air outlet. The machine switches off when the hands are withdrawn or after 40 seconds. It shall be capable of delivering 36 litres per second of warm air at 50°C above ambient temperature at an average air speed of 17 F/s and a relative drying time of 35 seconds. It shall be as Starmix Automatic Hand Dryer Model No. T50E with a Power supply of 2.2 kW 240V 50Hz.	3	No			
g	Mirrors 610 x 457 x 6 mm thick plate glass mirrors with chromium plated domed screws.	8	No			
h	Shower Fittings Instant Electric Shower head as Lorenzetti or approved equivalent, complete with all accessories.	2	No			
i	Urinals 1150mm High stainless steel slab urinals complete with fittings, 4 ft	1	No			
j	Cleaners sink Duravit Starck 3: Utility basin white 48cm with grid for utility B #031348 #0050011 or an approved equivalent complete with bottle trap and pillar tap	1	No			
To Collection KSHS						

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

MECHANICAL

	Collection	Qty	Unit	Rate	KSHS	CTS
	Total from Page 5/1					
	Total from Page 5/2					
				To Summary KSHS		

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

MECHANICAL

ELEMENT No.2:INTERNAL PLUMBING		Qty	Unit	Rate	KSHS	CTS
<p>Supply, deliver and install chlorinated polyvyninyl chloride (CPVC) pipes , tubing, and fittings as described and shown on the drawings. The Pipes and fittings shall be produced as per SDR 11 and shall meet or exceed the requirements of ASTM D2846, current European standards for CPVC installations and to the Engineers Approval. All joints shall be assembled employing solvent cements that meet or exceed the requirements of ASTM F442 and ASTM F441. Rates must allow for all metal, Plastic threaded adopters where required for the connections of sanitary fixtures , valves , sockets sliding and fixed joints, support raceways , supporting brackets, isolating shealths, elastic materials, expansion arms and bends crossovers , couplings , clippings connectors, , jointsetc as required in the running lengths of pipework and also where neccesaryv , for pipefixing clips holder bats plugged and screwed for the proper and satisfactory functioning of the system. The pipes will be pressure tested before the plastering of wall commences and as per the manufacturers reccommended testing pressures.</p>						
Pipe Work -CPVC PIPES						
a	20mm diameter Pipework	56	m			
b	25mm diameter Pipework	48	m			
c	32mm diameter Pipework	88	m			
d	40mm diameter Pipework	28	m			
e	50mm diameter Pipework	48	m			
Bends						
f	20mm diameter bend	36	No			
g	25mm diameter bend	26	No			
h	32mm diameter bend	16	No			
i	40mm diameter bend	16	No			
j	50mm diameter bend	16	No			
Tees						
k	25mm equal Tees	36	No			
l	32mm equal Tees	16	No			
m	40mm equal Tees	12	No			
n	50mm equal Tees	16	No			
Reducers						
o	25x20mm diameter reducer	16	No			
p	32x20mm diameter	8	No			
q	32x25mm diameter	8	No			
r	40x20mm diameter	8	No			
s	40x25mm diameter	8	No			
t	40x32mm diameter	8	No			
u	50x25mm diameter	16	No			
				To Collection KSHS		

Unions					
a	20mm diameter pipe unions	16	No		
b	25mm diameter pipe unions	8	No		
c	32mm diameter pipe unions	8	No		
d	40mm diameter pipe unions	8	No		
e	50mm diameter pipe unions	8	No		
Ggate Valves					
f	20mm diameter	2	No		
g	25mm diameter	4	No		
h	32mm diameter	9	No		
i	40mm diameter	2	No		
Water reticulation					
j	Supply and installation of 8,000Ltrs capacity Vertical Cylindrical plastic tank, ROTO or an approved equivalent Complete with the following accessories: Float valve, 3/4" 63mm dia PPR Ball valves PPR Unions 63mm diameter 63mm dia PPR Socket adapters - male 63mm dia PPR Socket adapters - Female 63mm dia Tank outlet adapters 25mm dia tank inlet adapters Back Nuts Tha tank to be installed on a 6m high MS tower to Architect's Detail for the above complete with platform and ladder, coated 2 layers of primer and final paint coat to the approval of the engineers.	1	No		
k	Provisional sum for water line extension to the above tank and final connection	1	Item		
					To Collection KSHS

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

MECHANICAL

	Collection	Qty	Unit	Rate	KSHS	CTS
	Collection					
	Total from Page 5/4					
	Total from Page 5/5					
				To Summary KSHS		

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

MECHANICAL

		Qty	Unit	Rate	KSHS	CTS
<p>ELEMENT No.3:FOUL WATER INTERNAL DRAINAGE Supply , deliver and install the following UPVC, MUPVC , soil and waste systems respectively to BS 5255 with fittings fixed to manufacturers Printed instructions and manufactured by reputable manufacturers . Tenderers must allow in their pipework prices for all for all coupling, clippings , connectors, joints etc as required in the running lengths of pipework and also where necessary , for pipe fixing clips , holder bats plugged and screwed for proper and satisfactory functioning of the system</p>						
<p>MuPVC and uPVC waste and soil pipework</p>						
a	100mm diameter heavy gauge grey MuPVC pipe	60	m			
b	100mm diameter Golden Brown buried drain pipe	40	m			
c	50mm diameter waste pipe	60	m			
d	40mm diameter waste pipe	50	m			
<p>Bends</p>						
e	100mm long radius bend	12	No			
f	100mm short radius bend	12	No			
g	50mm diameter bend	20	No			
h	40mm diameter 90 degree bend	30	No			
<p>Tees</p>						
i	100mm diameter Sweep tee	8	No			
j	50mm diameter Sweep tee	15	No			
k	40mm diameter Sweep tee	15	No			
<p>Access cap</p>						
l	100mm diameter access cap	12	No			
m	50mm diameter access cap	8	No			
n	40mm diameter access cap	8	No			
<p>Boss connectors</p>						
o	100x50mm diameter boss connector	8	No			
p	100x40mm diameter boss connector	8	No			
q	100 diameter single branch	1	No			
				To Collection KSHS		

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

MECHANICAL

		Qty	Unit	Rate	KSHS	CTS
	WC Connectors					
a	100mm diameter WC Connector	12	No			
	Traps					
b	100x50 mm diameter floor trap and grating	14	No			
c	Plastic gratings for floor traps as above	14	No			
d	Grease trap	1	No			
	Inspection Chambers					
e	Allow excavation, concreting to Class 1:3:6, walling 150 mm thick solid concrete block walls with 1:3 mortar and plastering to 1:2, Medium duty Rectangular Cover and Frame to specification for manhole not exceeding 1500 mm depth.	6	No			
f	100 mm diameter cast iron Gulley Trap with concrete slab cover and 100 mm diameter outlet.	3	No			
g	100 mm diameter floor drain outlet with PVC waste trap and grating, with 100 mm diameter outlet.	3	No			
	Excavation					
h	Excavate trench for buried drain pipes not exceeding 1000 mm and average 750 mm deep, part return, fill in, ram and remainder cart away (Final ground finish is to Architect's specification).	40	m			
i	Allow for testing and Commissioning of the plumbing and drainage installations to the satisfaction of the Engineer	1	Item			
				To Collection KSHS		

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

MECHANICAL

	Collection	Qty	Unit	Rate	KSHS	CTS
	Collection					
	Total from Page 5/7					
	Total from Page 5/8					
				To Summary KSHS		

PROPOSED 2NO EXTERNAL ABLUTION BLOCKS

MECHANICAL

	Qty	Unit	Rate	KSHS	CTS
<p>Summary</p> <p>Element 1 Page 5/3</p> <p>Element 2 Page 5/6</p> <p>Element 3 Page 5/9</p>					
Sub Total					
X 2NO BLOCKS					
Total for Bill KSHS					

PART NO. 6

MAIN SUMMARY

Based on stated Completion of **Calender Weeks.**

PART NO. 6
SPECIFICATIONS
AND
BILLS OF QUANTITIES
FOR
PROPOSED 2NO EXTERNAL ABLUTION BLOCKS
FOR
BOMET UNIVERSITY COLLEGE
MAIN SUMMARY

PART NO.	PART	PAGE NO.	KSHS.	CTS.
3	<u>BILLS OF QUANTITIES FOR: -</u> Builder's Work	3/30		
	<u>Sub-Total</u>	Shs.		
1	General Preliminaries	1/6	}	
2	Particular Preliminaries	2/13		
4	Provisional Sums	4/2	200,000	00
5	Prime Cost Sums	5/10		
<u>TOTAL AMOUNT OF TENDER (V.A.T Inclusive)</u>		KSHS		

TOTAL AMOUNT OF TENDER IN WORDS KENYA SHILLINGS:

PART NO. 6
SPECIFICATIONS
AND
BILLS OF QUANTITIES
FOR
PROPOSED 2NO EXTERNAL ABLUTION BLOCKS
FOR
BOMET UNIVERSITY COLLEGE
MAIN SUMMARY (Ctd).
(TENDER)

Signature of Tenderer

Name of Tenderer

Address

.....

Date

Signature of Witness

Name of Witness

Address

.....

Date