

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<p><b><u>PROPOSED COMPLETION OF OFFICE BLOCK AT BOMET FOR TEACHERS SERVICE COMMISSION</u></b></p> <p><b><u>ELEMENT NO. 1</u></b></p> <p><b><u>SUBSTRUCTURES (ALL PROVISIONAL)</u></b></p> <p><b><u>ENTRANCE STAIRCASE AND RAMP</u></b></p> <p><u>Excavation</u></p> <p>A Excavate for footing starting from reduced level not exceeding 1.50 meters deep.</p> <p>B Return, fill-in and rum selected excavated materials around foundations</p> <p>C Remove and cart away surplus excavated materials.</p> <p><u>Filling</u></p> <p>D Natural gravel (murrum) filling in making up levels, watering and compacting in layers of 150mm maximum thickness</p> <p>E 50mm (average) thick quarry dust blinding to surfaces of hardcore</p> <p><u>Concrete</u></p> <p>F 50mm thick mass concrete class Q (1:3:6) to bottoms of foundations</p> <p><u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u></p> <p>G Foundations in trenches irrespective of thickness</p> <p>H 150mm thick ramp to slope not exceeding 15 degrees</p> <p>J Steps, staircases or strings</p> <p><u>Fabric; B.S. 4483</u></p> <p>K Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter ( measured net - no allowance made for laps( including bends, tying wire and distance blocks</p> <p><u>Sawn formwork to insitu concrete as described:-</u></p> <p>L To sides; vertical or battering of foundations, ground beams or the like</p> <p>M Edges of risers; 75 to 150mm wide</p> <p>N Edges of ramp; 75 to 150mm wide</p>				
	Carried to Collection				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<u>Walling</u>				
A	200mm thick approved natural stone; local; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar	36	sm		
	<u>Damp proofing</u>				
B	Polythene sheet; 1000 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	23	sm		
	<u>Insitu Finishings</u>				
C	14mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	119	sm		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply three coats bituminous paint to:</u>				
D	Wood floated rendered plinths over 300mm girth	119	sm		
	<u>Paving Slabs.</u>				
E	600 x 600 x 50 mm Precast concrete class 20/20 paving slabs, laid to falls on blinded hardcore surface and jointed in cement and sand (1:3) mortar	143	sm		
	<i>Carried to Collection</i>				
	<u><b>COLLECTION</b></u>				
	From page BW/1				
	From above				
	TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<u>ELEMENT NO. 2</u>  <u>WALLING</u>  <u>Glass curtain walling</u>  A Approved curtain walling overall 12mm thick toughened glass consisting of 6mm thick glass (both sides) and 2mm thick plastic laminate between complete with all necessary fixing accessories to Architect's detail  <u>Sunshading</u>  <u>Precast concrete grade 25 fair finished on all exposed surfaces with 12mm aggregate including moulds and hoisting, bedding, and flush pointing in cement and sand (1:4) mortar</u>  B 200 x 50mm thick fins with rebated top and bottom and including all necessary reinforcement and pinning ends to concrete beams (24No.)	75	sm		
		96	sm		
	TOTAL FOR WALLING CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<u>ELEMENT NO. 3</u>				
	<b><u>ROOFING AND RAIN WATER GOODS (ATRIUM AND MAIN ENTRANCE)</u></b>				
	<u>Polycarbonate</u>				
A	Provide and fix 12mm thick pvc polycarbon blue coloured, but translucent roof cover complete with all fixing materials; fixing to steel trusses (m/s) as per "steel structure company ltd" or any other equal and approved	182	Sm		
	<b><u>STRUCTURAL STEELWORK</u></b>				
	<u>Structural steel to BS 4360 and to the Engineers specifications and approval complete with and including fabricating hoisting and fixing in position approximately 7 metres from the existing ground level, red oxide primer and two coats chlorinated rubber paint, connection details in steel plates, packing pieces and drilled 100 x 100 x 100mm thick steel angle cleats welds bolts washers and nuts fish plates and steel angle cleats are to be included in the rates for steelwork in the particular trusses where they occur.</u>				
	<u>Unframed; weldable</u>				
B	100 x 50 x 2mm thick Z-purlins	214	lm		
C	50 x 50 x 4mm truss bracings	32	lm		
	<u>Framed; weldable</u>				
	<u>Roof trusses ; 6 No. spanning 6.0 to 7.0metres; hoisting 8 metres above ground; all fillet welded; all to structural Engineer's details and specifications</u>				
D	40 x 40 x 3mm S.H.S thick rafters	182	lm		
E	30 x 30 x 3mm S.H.S struts and ties	127	lm		
	<u>Roof trusses ; 4No. Spanning 4.0 to 5.0metres; hoisting 8 metres above ground; all fillet welded; all to structural Engineer's details</u>				
F	40 x 40 x 3mm S.H.S thick rafters	65	lm		
G	30 x 30 x 3mm S.H.S struts and ties	49	lm		
	<u>Roof trusses ; 2No. spanning 3.0 to 4.0metres; hoisting 8 metres above ground; all fillet welded; all to structural Engineer's details</u>				
H	40 x 40 x 3mm S.H.S thick rafters	27	lm		
J	30 x 30 x 3mm S.H.S struts and ties	19	lm		
	Carried to Collection				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<u>Sundries</u>				
	<u>Labour and material</u>				
A	250 x 200 x 10mm base plate welded to truss (m.s)	18	No		
B	20mm diameter, 300mm long steel bolts including nut and washer	72	No		
C	Making hole in 100 x 100 x 6mm thick steel plate	72	No		
D	R16mm diameter, 1000mm long anti-sag steel rods including nut and washer	60	No		
	<u>Waterproofing</u>				
	<u>Waterproofing as "abe Silicot" or equal and approved coloured cement and sand (1:4) screed on concrete: to</u>				
E	50 mm (Average); to roof slab; slope not exceeding 15 degrees	565	Sm		
	<u>Sirrah PGR 5 kg/ sm - APP bituminous membrane or other equally approved waterproofing membrane including three coats reflective paints</u>				
F	Laid to roof slab; slope not exceeding 15 degrees	565	Sm		
	<u>RAINWATER DISPOSAL</u>				
	<u>UPVC</u>				
K	100mm dia. UPVC gutter fixed to fascia board with and including brackets at approved centers	9	lm		
L	Extra; 100mm dia.outlet 100mm long	2	No		
M	100mm dia. UPVC rainwater downpipe fixed with and including mild steel straps at 900mm centres, plugged and screwed to wall	80	lm		
N	Extra; swanneck bend with 1135mm projection	10	No		
P	Extra; horse shoe bend	10	No		
	<i>Carried to Collection</i>				
	<u>COLLECTION</u>				
	From page BW/4				
	From above				
	TOTAL FOR ROOF CONSTRUCTION CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<u>ELEMENT NO. 4</u>				
	<u>DOORS</u>				
	<u>Wrot hardwood framed frames and framings</u>				
A	150 x 50 mm; 2 No. labours; plugged door frame	230	lm		
B	40 x 35 mm moulded architrave	230	lm		
C	25 x 25mm moulded quadrants	230	lm		
	<u>50mm thick mahogany pannelled door, comprising 150 x 50mm top, middle and bottom rails infilled with 50mm thick solid moulded timber panels in 6 No. per leave with moulded beading around panels; edges bevelled and grooved into frames; all framed, clamped and grooved together.</u>				
D	Single swing door size 1740 x 2060 mm high	1	No.		
	<u>45mm Thick solid core flush doors to B.S 459: part 2 veneered both sides with internal quality plywood and lipped on all edges in approved hardwood</u>				
E	Ditto; but single swing door size 840 x 2060 mm high	32	No.		
	<u>PURPOSE MADE UNITS</u>				
	<u>Supply and fix composite extruded coloured anodized aluminium doors; standard hollow or angle sections; frames mitred at corners including reinforcing cleats, glazing beads, sealing strips and all necessary ironmongery</u>				
	<i>Fixing with aluminium screws; plugging or fixing to aluminium background, sealing with mastic, oiling and adjusting on completion</i>				
F	Door overall size 900 x 2100mm high comprising single leaf side hang, fixed top and bottom lights infilled with approved 6mm thick laminated glazing	17	No		
	<u>Iron mongery</u>				
	<u>Supply and fix the following to UNION catalogue or other equal and approved</u>				
	<i>To softwood, hardwood or the like fixing with screws</i>				
G	Euro cylinder mortice deadlock comprising case and Euro profile single cylinder	1	No.		
H	Three lever mortice lock complete with set lever aluminium handle furniture	32	No.		
	<i>Carried to Collection</i>				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
A	140 x 35mm heavy Duty polished solid brass hinges	51	prs		
B	"TIOLET" symbols	2	No.		
C	Delayed action door closer as 'Briton' Catalogue No.2003E' <i>To concrete or blockwork; fixing with bolts; plugging</i>	17	No.		
D	Rubber door stop complete with 38 mm rawl bolt <u>Glazing</u>	34	No.		
E	4mm Thick obscure sheet glass panes to metal surfaces; fixing with putty <u>Painting and Decorations</u> <u>Aluminium primer or other equal and approved wood primer before fixing: -</u>	14	sm		
F	Backs of frame, board, etc over 100mm but not exceeding 200mm girth <u>Knot, prime and stop; prepare and apply one coat stain and two coats of clear varnish</u>	230	lm		
G	General surfaces of timber doors over 300mm girth; external	121	sm		
H	Frames; over 200mm but not exceeding 300mm girth; internal	230	lm		
J	Frames not exceeding 100mm girth; internal	230	lm		
	<i>Carried to Collection</i>				
	<u><b>COLLECTION</b></u>  From page BW/6  From above				
	TOTAL FOR DOORS CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<u>ELEMENT NO. 5</u>  <u>WINDOWS</u>  <u>PRECAST CONCRETE</u>  <u>Normal; class 20 / (20mm); vibrated; part surface fair finish as described in:-</u>				
A	Sills; 250 x 75 mm extreme thickness; once sunk weathered; once throated; reinforced as necessary for handling; surface fair finish 375 mm girth; bedding, jointing and pointing in cement sand (1:3) mortar	61	lm		
	<u>Wrot Mahogany</u>				
B	150 x 25 mm thick window boards including bull-nosed edges and 25 x 25 mm bearer; plugged, counter sinking and flush pelleting.	61	lm		
C	15 x 15mm quadrant bead	61	lm		
	<u>Curtain rods;</u>				
D	20mm diameter chrome coated rod complete accessories to approval	61	lm		
	<u>METAL WORK</u>				
	<u>PURPOSE - MADE UNITS</u>				
	<u>Supply and fix the following composite extruded coloured anodized aluminium windows; standard hollow or angle sections; frames mitred at corners including reinforcing cleats, glazing beads, sealing strips and all necessary ironmongery</u>				
	<i>Fixing with aluminium screws; plugging or fixing to aluminium background, sealing with mastic, oiling and adjusting on completion</i>				
E	Window, overall size 2000 x 1500mm high in 2No. Sliding openable light size 1000 x 1500 mm high	25	No		
F	Window, overall size 1500 x 1500mm high in 2No. Sliding openable light size 750 x 1500 mm high	3	No		
G	Window, overall size 600 x 600mm high with 1 No. top-hung openable light size 600 x 300 mm high	10	No		
	<u>Glazing</u>				
H	5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	82	sm		
J	Ditto; obscure	4	sm		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				



Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<u>ELEMENT NO. 6</u>  <u>FINISHES</u>  <u>Wall finishes</u>  <u>In situ finishes</u>  <u>Render; 15mm thick, 1 No. coatwork of cement and sand (1:3); wood floated to concrete or blockwork base generally to: -</u>				
A	Beams and columns; external  <u>Plaster; 15mm thick, 2 No. coatwork, 12mm first coat of cement sand (1:3); 3mm second coat of cement and lime putty (1:9); steel trowelled to concrete or blockwork base</u>	180	sm		
B	Walls; internal  <u>Tile, Slab or Block Finishings</u>  <u>Approved ceramic tiles to B.S. 1281; local; white glazed wall tiles to regular or approved other pattern; bedding and jointing in cement sand (1:4) mortar, grouting with white cement</u>	1,016	sm		
C	6mm thick; butt joints straight both ways; to cement sand base (m/s) to walls internal	254	sm		
D	Plastic edging (provisional)  <u>Beds or Backings</u>  <u>Render; cement and sand (1:3)</u>	177	lm		
E	14mm thick one coat backings; wood floated to receive ceramic tiles (m/s) to concrete or blockwork base; to walls internal  <u>Prepare and apply one undercoat and three coats of first quality weather guard emulsion paint to the following surfaces</u>	254	sm		
F	Rendered walls; external  <u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u>	180	sm		
G	Plastered walls; internal	1,016	sm		
	<i>Carried to Collection</i>				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<b><u>Floor finishes</u></b>				
	<u>Tile, Slab or Block Finishings</u>				
	<u>Granito tiles</u>				
	<u>Approved granito tiles; matt finish to regular pattern; bedding and jointing in cement sand (1:4) mortar; grouting with matching cement</u>				
A	450 x 450 x 10mm thick; butt joints both ways; to cement sand base (m/s); to floors level; internal	1,270	sm		
B	Skirtings; 100mm wide; rounded junction with wall finish and straight junction with floor finish.	233	lm		
	<u>Approved non slip ceramic floor tiles; local; coloured floor tiles to regular or approved other pattern; bedding and jointing in cement sand (1:4) mortar, grouting with white cement</u>				
A	300 x 300 x 8mm thick; butt joints both ways; to cement sand base (m/s); to floors level; internal	60	sm		
B	Skirtings; 100mm wide; rounded junction with wall finish and straight junction with floor finish.	46	lm		
	<u>Beds or Backings</u>				
	<u>Screed; cement and sand (1:3)</u>				
C	30mm thick one coat backings; wood floated to receive granito tiles (m/s) to concrete or blockwork base; to floors level; internal	1,270	sm		
C	32mm thick one coat backings; wood floated to receive ceramic tiles (m/s) to concrete or blockwork base; to floors level; internal	60	sm		
	<b>RAMP</b>				
	<u>Tile, Slab or Block Finishings</u>				
	<u>Approved granito tiles; matt finish to regular pattern; bedding and jointing in cement sand (1:4) mortar; grouting with matching cement</u>				
A	Ramp to slope not exceeding 15 degrees	83	sm		
B	Ditto; edges ramp girth not exceeding 150mm	133	lm		
	<u>Beds and backings</u>				
D	20mm thick one coat backings; wood floated to receive terrazzo (m/s) to concrete or blockwork base; to floors level	83	sm		
	<i>Carried to Collection</i>				



Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<b><u>Ceiling finishes</u></b>				
	<u>12mm (minimum) two-coat plaster; 9mm first coat of cement sand (1:6), 3mm second coat of cement and lime putty (1:10); steel trowelled to: -</u>				
D	Concrete soffits	1,330	sm		
E	Ditto to sloping soffits of staircase.	36	sm		
F	Ditto to soffits of landing	18	sm		
G	Ditto to soffits of ramp	60	sm		
	<b><u>Painting and Decorations</u></b>				
	<u>On steel trowelled plastered surfaces</u>				
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u>				
H	Concrete soffits	1,330	sm		
I	Ditto to sloping soffits of staircase.	36	sm		
J	Ditto to soffits of landing	18	sm		
K	Ditto to soffits of ramp	60	sm		
	<i>Carried to Collection</i>				
	<b><u>COLLECTION</u></b>				
	From page BW/9				
	From page BW/10				
	From page BW/11				
	From above				
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<u>ELEMENT NO. 7</u>  <u>PARTITIONS</u>  <u>JOINERY</u>  <u>DEMOUNTABLE PARTITIONS</u>  <u>METAL WORK</u>  <u>Powder coated aluminium frames to approval</u>				
A	76 x 44 x 1.2mm thick base piece, screwed to concrete backgrounds at bottom and top grooved to receive glazing or MDF (m/s)	123	lm		
B	76 x 44 x 1.2mm thick horizontal pieces grooved to approval at both top and bottom to receive glazing (m/s) at 600mm centres	123	lm		
C	76 x 44 x 1.2mm thick top piece, screwed to concrete backgrounds at bottom and top grooved to receive glazing or MDF (m/s)	123	lm		
D	76 x 44 x 1.2mm thick Verticle piece grooved to approval at both sides to receive glazing (m/s) fixed to skirting and middle piece (m/s) at 1200mm centres	311	lm		
	<u>Aluminium bidings</u>				
E	43 x 19 x 1.6mm thick biding member riveted to aluminium hollow section frames (m/s)	492	lm		
F	27.5 x 17.25 x 1.5mm thick bidding to glass m/s)	492	lm		
	<u>Rubber gasket</u>				
G	25 x 12mm thick approved rubber lining to aluminium framing	492	lm		
	<u>Birch laminated Medium Density Fibre boards (MDF), both sides with lamination, fixing with aluminium connecting members (m/s)</u>				
H	18mm thick laminated MDF boards	148	sm		
	<u>GLAZING</u>				
	<u>6mm thick clear sheet glass fixed to aluminium frames with rubber gaskets (m/s) complete with "llumar film" to approval</u>				
J	0.5 to 1.0 square meters	222	sm		
	<u>Sundries</u>				
K	45 x 25mm silikon filler applied as directed and to the approval of the Project Manager at the joints between existing concrete ceiling and aluminium top rail.	492	lm		
	TOTAL FOR PARTITIONS CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	ELEMENT NO. 8				
	BUILDER'S WORK IN CONNECTION WITH SPECISLIST SERVICES (provisional)				
	Builder's work in connection with Plumbing and drainage installations				
	Labour and Materials				
A	Form or leave hole in 200mm thick natural stone wall for large pipe and later make good	20	No.		
B	Ditto for small pipe and ditto	20	No.		
C	Form or leave hole in 100mm thick natural stone wall for small pipe and later make good	20	No.		
D	Cut horizontal or vertical chase in natural stone walling for small pipes and later make good	100	Im		
E	Ditto for large pipes	50	Im		
	Builder's work in connection with electrical installations				
	Cut away for and make good after Electricain installing aconcealed conduit system to the following points including cutting or leaving all holes, mortices, sinkings in the structure and its finishes and for all making good therewith:-				
F	Lighting point with associated switch point	100	No.		
G	External security light fittings with ditto	20	No		
H	Single socket outlet point.	20	No.		
	TOTAL FOR BUILDER'S WORKS CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount K.Sh.
	<u>SUMMARY</u>				
ELEMENT NO.	TITLE	PAGE NO.		K.SHS.	
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2	WALLING		BW/3		
3	ROOF CONSTRUCTION.		BW/5		
4	DOORS		BW/7		
5	WINDOWS		BW/8		
6	FINISHES		BW/12		
7	PARTITIONS		BW/13		
8	BUILDER'S WORK		BW/14		
	TOTAL FOR BUILDERS WORK CARRIED TO GRAND SUMMARY				