BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	GENERAL PRELIMINARIES				
A	**Site** The proposed Works will be located at …….. in Kwale County.				
B	**Scope of the works.** **The works involve construction of Social including rainwater harvesting system** The major work to be carried out in this contract include the following: 1. Excavation & Earthworks including fillings 2.Waterproofing. 3.Concrete works 4.Reinforcement 5.Formwork. 6.Walling. 7.Roofing. 8.Doors 9. Windows 10. Fittings. 11. Finishes. 12. Electrical works. 13.Plumbing				
C	**SIGN BOARD** Allow for providing, erecting ,maintaining throughout the course of the contract and afterwards clearing away a signboard as designed,specified and approved by the Project Manager.				
D	**TEMPORARY BUILDING** The Contractor must provide for a temporary building required for the storage of materials and clear it away on completion of the works to the satisfaction of the client.				
	TOTAL PRELIMINARIES CARRIED TO SUMMARY				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	ELEMENT NO. 01 **SUB-STRUCTURES (ALL PROVISIONAL)**				
A	Clear site of grass, shrubs and small trees and dispose	SM	375		
B	Excavate to remove vegetable topsoil average 150mm and remove from site	SM	207		
C	From the stripped level: to reduce levels	CM	68		
D	From the reduced level: for foundation trenches column bases	CM	23		
E	Extra over normal excavation for rock class 'A'	CM	36		
	Planking and Dewatering				
F	Allow for bringing to site and subsequently removing all plant necessary for the works	ITEM			
G	Allow for removing all water from the site	ITEM			
	Fillings /Disposal				
H	Return fill in and ram selected excavated material in foundations	CM	31		
J	Load wheel and cart away surplus excavated material from site	CM	33		
K	300mm thick approved hardcore:laid and compacted in 100mm layers:well-watered	CM	62		
L	50mm thick approved murram blinding to surface of hardcore	SM	207		
M	Treat surface of hardcore with approved insecticide to the manufacturers instruction	SM	207		
	Carried Forward				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	Brought Forward				
	Concreting				
A	50mm thick mass concrete 1:4:8 blinding under foudations	SM	72		
B	200mm thick vibrated reinforced concrete to strip foundation	CM	11		
C	250mm thick to collumn base	CM	4		
D	200mm x 300mm concrete to collumns starter	CM	1		
E	150mm thick concrete 1:2:4 in floor bed	SM	199		
F	300mm thick concrete 1:2:4 in dias	CM	8		
	Damp proof membrane				
G	500 gauge approved damp proof membrane:laid with laps as instructed	SM	207		
H	One layer No A142 steel fabric mesh re-inforcement in floor slab	SM	207		
	Sawn Formwork to:				
J	Sawn formwork as described to edges of floor slab girth 150- 225mm	LM	88		
K	Ditto to sides of columns	SM	15		
	Apply black bituminous felt damp proof course:laid with laps as instructed				
L	225mm wide	LM	95		
M	200mm thick coral stone foundation walling in cement/sand(1:4) mortar reinforced with/including hoop iron in alternate courses:machine cut	SM	114		
	Carried Forward				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	Brought Forward				
	High yield square twisted reinforcement including cutting to lengths, bending, twisting and fixing , including all necessary tying wires and spacing blocks to B.S. 4461:-				
A	10mm diammeter to strips longitudianal	KG	235		
B	8mm ditto vertically	KG	15		
C	12mm diameter bars to collumn bases	KG	187		
D	Ditto to collumns starter	KG	80		
E	8mm diameter to columns	KG	57		
F	15mm cement / sand render to plinths	SM	63		
G	Prepare and apply 3 coats black bituminous paint to rendered plinths	SM	63		
H	**Paving slab surround**				
	Excavate trenches for wall foundation commencing from reduced level but not exceeding 0.6m deep.	CM	76		
J	Backfill and compact selected excavated materials	CM	23		
K	Remove surplus excavated materials from site	CM	16		
L	150mm thick mass concrete mix 1:3:6 in strip foundation	CM	6		
M	150mm thick Hand cut natural stones beded in cement sand mortar (1:4)	SM	76		
N	Precast concrete (1:2:4) in paving slabs size 600 x 600 x 50mm thick laid on consolidated sand bed jointed in cement sand mortar	SM	76		
	TOTAL FOR ELEMENT NO. 01- SUBSTRUCTURE CARRIED TO SUMMARY				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	ELEMENT NO. 02- SUPER-STRUCTURE				
	1st grade Machine dressed coral stone block walling in cement/sand (1:3) mortar reinforced with/ including hoop iron in every alternate course:				
A	200mm thick: external and internal	SM	111		
B	Vibrated reinforced concrete (1:2:4): in beams and columns	CM	7		
	Sawn formwork:				
C	to sides of beams and columns	SM	76		
	High yield square twisted reinforcement including cutting to lengths, bending, twisting and fixing , including all necessary tying wires and spacing blocks to B.S. 4461:-				
D	12mm diammeter bars to columns and beams	KG	498		
F	8mm diammeter bars to columns and beams	KG	442		
	TOTAL FOR ELEMENT NO. 2- SUPER - STRUCTURE CARRIED TO SUMMARY				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	ELEMENT NO. 3 -ROOFING				
	Sawn celcured cypress: prime grade **The following in Roof trusses spanning spaced at 1500mm: to Str. Eng. Details:**				
A	150 x 50mm kingpost	LM	29		
B	150x50mm rafters.	LM	170		
C	150x50mm hipped rafters.	LM	55		
D	150x50mm valley rafters.	LM	10		
E	150 x 50mm struts and ties	LM	142		
F	150 x 50mm tie beam	LM	157		
G	75x50mm Purlins.	LM	434		
H	225 X 25mm fascia / barge boards	LM	97		
N	Knot, prime and spot: prepare and apply one undercoat and two finishing coats gloss oil paint to isolated timber surfaces girth 200-300mm	LM	97		
	Carried Forward				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	Brought Forward				
A	28 gauge box profile prepainted IT 4 roofing sheets fixed to timber purlins (m.s) in accordance with the manufacturers:Galsheet or equal and approved	SM	475		
B	28gauge ridge cap	LM	37		
C	Ditto valley ridge cap	LM	5		
	RAIN WATER HARVESTING SYSTEM				
	Rain water goods				
D	Supply and fix 150mm Diameter Half Round U.P.V.C Plastic gutter fixed with rubber sealed joints fixed to timber with approved U.P.V.C Brackets.	LM	63		
E	Extra over for stopped ends.	NO	2		
F	Extra over for stopped ends with 75mm diameter outlet for 100mm diameter PVC down pipe	NO	2		
G	Extra over for corner gutters	NO	1		
H	Extra over for 90 degrees bends	NO	8		
J	100mm diameter rainwater PVC down pipe fixed with and including PVC clips at 900mm centers,plugged and screwed to wall	LM	12		
K	Extra over for swan neck bend	NO	4		
L	Extra over for horse shoe bend	NO	4		
	TOTAL FOR ELEMENT NO.3 - ROOFING CARRIED TO SUMMARY				

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ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	ELEMENT NO. 4				
	The following in 1No.Tank platform(Base),2400mm diameter				
A	Excavate oversite average 300mm deep,wheel and depost on site as directed.	CM	5		
B	Excavate for foundation trench not exceeeding 1.5m from the reduced level	CM	8		
C	Return,fill and ram well selected excavated materials.	CM	5		
D	Load and cart away surplus excavated materials	CM	3		
E	900mm thick hardcore layer compacted in 6 layers and blinded with murram (m.s)	CM	6		
	Carried Forward				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	Brought Forward				
	Blinding concrete(1:4:8)				
A	50mm thick blinding concrete in strip footings	CM	5		
	Vibrated Reinforced concrete (1:2:4) -20mm aggregate				
B	200mm thick foundation concrete	CM	2		
C	200mm thick floor surface bed	SM	5		
	Steel Reinforcement				
	Steel bars cut and bent as required including short joining lengths,binding wire and spacer blocks				
D	Y12 bars in strip footings and floor surface bed	KG	105		
E	Y10 longitudinal bars in strip foundation footing	KG	27		
	Sawn softwood formwork to:-				
F	Sides of floor bed 150mm to 225mm high	LM	8		
	Solid coral block walling in cement sand mortar (1:4)				
G	200mm thick walling	SM	18		
	Platform finishes				
H	25mm thick cement sand plaster to sides and top of platform	SM	14		
J	Masonry water channel with 100mm mass concrete base slab 900mm wide x 1800mm long with a 150mm depth moulding laid to fall	NO	1		
	PVC Water storage tank				
K	Supply and fix 10000litres PVC Water tank as before described including all necessary fittings	NO	1		
	TOTAL FOR ELEMENT NO.4 RAINWATER HARVESTING SYSTEM CARRIED TO SUMMARY				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	ELEMENT NO. 05 - DOORS				
	Wrot mahogany or equal and approved				
A	150 X 50mm once rebated door frame: with one labour	LM	30		
B	75 X 25mm architraves	LM	30		
C	19mm quadrant	LM	30		
D	50mm thick panelled door to architectural details overall size 1100 x 2100	NO	1		
E	Ditto double leaf door size 1700 x 2100	NO	2		
	Knot,prime,stop,prepare and apply three coats polyurethane varnish to:-				
F	Door general surfaces	SM	19		
G	Ditto to frames exceeding 100mm but not exceeding 200mm girth	LM	30		
H	Prime back of timber frame girth exceedind 100mm but not exceeding 200mm,before fixing in position	LM	30		
	Supply and fix the following ironmongery: 'Union' or equal and approved specification:				
I	3 - lever mortice lock	NO	3		
J	100mm brass butt hinges	PRS	8		
K	100mm tower bolt	NO	3		
L	rubber door stop: rawl bolted to floor or wall	NO	3		
	Carried Forward				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	Brought Forward				
	Fanlight **N.A.C.O or Any other Equal and Approved Anadonised Aluminium Louvre jambs with blade carriers for 150mm wide louvres.**				
A	Set for 6 No blade carriers	PRS	8		
B	150mm x 50mm x 300mm long middle frame	LM	1		
C	20mm x 20mm stop	LM	5		
D	150x5mm thick clear glass louvres fixed to Louvre Frames above doors.	LM	30		
E	16mm diameter mild steel burglar proof bars in plastic sheath fixed to window frames.	LM	30		
F	Labour for drilling 16mm diameter holes through 50 mm thick hardwood	NO	66		
	TOTAL FOR ELEMENT NO. 5-DOORS CARRIED TO SUMMARY				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	ELEMENT NO.6 **WINDOWS**				
	Supply and fix aluminium glazed windows as ' Vista' or or equally approved comprising 40 x 30 mm aluminium frame filled in with 5 mm thick one way tinted glass secured in rubber linning, including all necessary ironmongery to approval in:				
A	Size 1500 x 1700 mm high	SM	36		
	Others				
B	150 x 25 mm hardwood moulded window board plugged.	LM	21		
C	**150 X 25 mm precast concrete throated window cill laid in** cement/sand mortar 1:3.	LM	21		
	Curtain rods				
D	40mm diameter hardwood rod with rollers finished with approved clear wood varnish supported by timber hooks screwed to wall to Architectural details.	LM	25		
	Heavy duty steel window grilles comprising 16mm square bar perimeter framing and horizontal middle rail 12mm square bar ventical infilla st 150mm centres, 16 x 4 mm flat diamond shaped welded onto square bars primed as per crown paints primer the whole grille complete with fixing lugs and including fixing to masonary walling				
E	Variours sizes	SM	36		
	TOTAL FOR ELEMENT NO. 6: WINDOWS CARRIED TO SUMMARY.				

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ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	ELEMENT NO. 08 **INTERNAL FINISHES**				
	FLOOR **Ceramic tiles (non-slip)** **(Generraly)**				
A	Cement sand screed paving steel trowelled smooth to receive tiles	SM	207		
B	250x250x8mm as manufactured by SAJ CERAMIC LTD or equal and approved coloured ceramic nonslip floor tiles bedded and jointed in cement and sand 1:1 and pointed in coloured	SM	207		
C	Ditto ;but 100mm high skirting	LM	88		
	WALL **Lime plaster**				
D	Plaster to walls / columns internally	SM	111		
E	plaster to jambs/reveals	SM	27		
	CEILING				
	Sawn cypress				
F	Brandering size 50x50mm @ 600 x 600mm spacing	LM	644		
G	Chipboard ceiling board	SM	207		
H	Extra for forming trap door with cypress framing size 600x600mm	NO	2		
	Wrought cypress				
J	moulded cornice plugged size 75x 25mm	LM	100		
	prepare and apply one undercoat and two finishing coats of 1st quality silk vinyl paint to;-				
K	General surfaces of walls	SM	111		
	Carried Forward				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	Brought Forward				
	prepare and apply one undercoat and two finishing coats of 1st quality silk vinyl paint to;-				
	prepare and apply one undercoat and two finishing coats of 1st gloss oil paint to;-				
A	general surfaces of ceiling	SM	207		
B	ditto girth not exceeding 75mm	LM	100		
	EXTERNAL FINISHES				
	Keying:-				
C	pointing /jointing horizotal joint	SM	143		
	TOTAL FOR ELEMENT NO. 8 - FINISHES CARRIED TO SUMMARY				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	ELEMENT NO.10 **RAMP AND STEPS**				
	The following in 2No ramps and step measuring 1500mm wide x 2500mm long				
A	Excavate pit for ramps/step bases commencing from reduced level but not exceeding 1.5m deep.	CM	4		
B	Remove excavated materials from site	CM	4		
	Mass concrete mix 1:3:6				
C	In ramps/step	CM	6		
	Formwork				
D	Sawn formwork to sides of ramps/step	SM	4		
E	Ditto to edges of risers	LM	14		
	TOTAL FOR ELEMENT NO. 10 RAMPS AND STAIRS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	ELECTRICAL INSTALLATION **TO BE CARRIED OUT BY A REGISTERED ELECTRICAL CONTRACTOR, ATTACH ERC AND NCA CERTIFICATES**				
	Supply,install,test and commission the following:-				
	ELECTRICAL INSTALLATIONS				
	Supply,install,test and commission the following:-				
A	**LIGHTING INSTALLATION** Lighting points from consumer unit comprising wiring in 3x 1.5 sqmm SC PVCI Cu cables in 20mm dia. heavy gauge PVC conduits concealed in concrete slab/ceilling and walls excluding other accessories for;-				
	a) One way switching	No	22		
B	SWITCHES				
	10Amps,moulded plate flush mounted switches with screw covers,as CLIPSAL,BG or approved equivalent being:-				
	a) 2 gang 1 way	No	3		
	b) 3gang 2 way	No	4		
C	**LIGHTING FITTINGS**				
	Lighting fittings complete with lamps and all other necessary accessories:-				
	a) 50W LED sport light for security lighting as phillips or aprooved equivalent	No	8		
	b) 1200, 1 x 36 Watts batten flourescent fitting as FITZGERALD, THORN or approved equivalent (TYPE B1)	No	14		
	Carried Forward				

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ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	Brought Forward				
A	**POWER POINTS**				
	i)13Amps Power points wired ring comprising of	No	11		
	ii) 13Amps moulded plate switched socket outlet with neon indicator as BG,CLIPSAL or approved equivalent being twin.	No	11		
E	**ELECTRIC SWEEP FANS FOR ROOMS**				
	a)Ceilling fan point wired with 3 x 1.5mm2 SC - CU cables drawn in pvc conduits and to include all accessories but excluding the fan	No	11		
	b)240V-AC ceilling fan complete with 5 speed regulator as c)ORIENT - DE LUXE or an approved equivalent.	No	11		
F	**CONSUMER UNIT**				
	10Ways ,100Amps , Flush mounted Consumer unit complete with 100Amps. Integral SPN isolator with hinged cover as MEM,CRABTREE or approved equivalent being:-	No	1		
	a)10Amps,SP	No	3		
	b)20Amps,SP	No	3		
	c)30Amps,SP	No	3		
	d) Blankig plate	No	1		
G	SUBMAIN CIRCUIT				
	Circuit comprising 3x16mm SC PVCI copper cables drawn in concealed 32mm diameter HG PVC conduits from METER BOX to consumer unit	lm	20		
	Carried Forward				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	Brought Forward				
A	**METER BOX**				
	Single tarriff metre box made from gauge 14 galvanized steel sheets complete with bonding screws/bolt and viewing glass	No	1		
	a)Cut out complete with SPN 80A HRC fuse	No	1		
	b)Electrical Earthing comprising 6.0mm2 Single core copper cables drawn in H/G Conduits 1500mm by 15mm diameter copper electrode complete with clamp and pre - cast concrete inspection pit with cover	Item	1		
B	**FIRE EXTINGUISHER**				
	Dry chemical powder type fire extinguisher of 2kgs. Capacity, with initial filling in brand new cylinder with powder coated finish, fitted with Gun metal union, high pressure CO2 gas catridge, discharge hose, wall mounting bracket e.t.c complete	NO	2		
	9 Lts water gas fire extinguisher. Capacity, with initial filling in brand	NO	2		
C	**POWER SUPPLY**				
	Allow ksh.twenty thousand for liaison and attendance to kplc	ITEM	1		
	Allow ksh. Two hundred and fifty thousand for kplc connection	ITEM	1		
	ELECTRICAL CARRIED TO SUMMARY				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	SUMMARY				
1	SUB - STRUCTURE				
2	SUPER - STRUCTURE				
3	ROOF				
4	RAINWATER HARVEST				
5	DOORS				
6	WINDOWS				
7	FINISHES				
8	RAMP AND STEPS				
9	ELECTRICAL INSTALLATION				
	TOTAL CARRIED TO GRAND SUMMARY				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	MASS EXCAVATIONS				
	A. MASS EXCAVATIONS AND FILLINGS				
1.0	Mass excavation; excavate in bulk approximately 2m deep to level site and dispose off site as directed.	CM	141		
	TOTAL CARRIED TO SUMMARY- MASS EXCAVATIONS				

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A SOCIAL HALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	UNIT	QTY	RATE(KSH)	AMOUNT(KSH)
	MAIN SUMMARY				
1.00	PRELIMINARIES				
2.00	MAIN WORKS				
3.00	MASS Excavations				
	TOTAL 1				
	ADD				
	Contingencies : PROVIDE A SUM OF 150,000 KENYA SHILLINGS FOR CONTIGENCIES				
	Note* upto 100% of the contingencies Will be used after approval from the project manager and the Quantity surveyor				
	TOTAL 2				
	ADD. 0.03% Capacity Bulding Levy				-
	TOTAL 3				-
	16% V.A.T				-
	TOTAL CARRIED TO FORM OF TENDER				
	SIGNATURE AND STAMP OF TENDERER				
	DATE				
	NAME AND ADDRESS				
	TENDERER'S WITNESS SIGNATURE				
	DATE				
	NAME AND ADDRESS				