

PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK

AND EQUIPPING

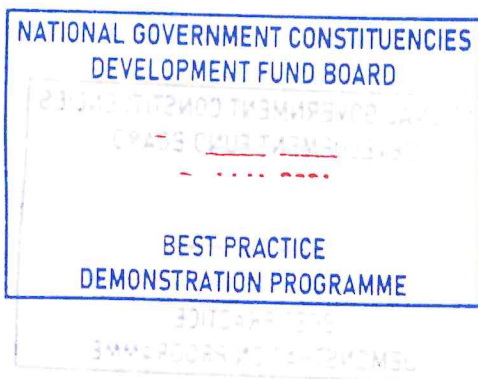
AT

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IN

NORTH HORN CONSTITUENCY

MARSABIT COUNTY



ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>ENVIRONMENTAL CONSERVATION</u>				
A	The Contractor shall plant trees immediately the site is handed over as directed by County Works Officer and Head Teacher and water during contract period till well established	ITEM		SUM	20,000
	<u>SUBSTRUCTURE</u>				
	1.If site is sloping, flatten site before construction commences and where possible Building should be along contours and not across same.				
	2. Substructure Walling should on average be 300mm above flattened ground.				
	<u>ALL PROVISIONAL</u>				
B	Clear site of bushes, grass and debris and cart away and burn	115	SM		
C	Excavate oversite 150mm deep to remove vegetable soil and cart away and deposit as directed	115	SM		
D	Excavate in bulk to reduce levels	0	CM		
E	Excavate for trench not exceeding 1.50 metres deep from reduced ground	48	CM		
F	Ditto column pits to 1.50 Metres ditto	6	CM		
G	Extra over for excavation in rock of any class	3	CM		
H	Cart away excavated material and deposit in council approved dump	25	CM		
I	Return, fill and ram selected material to back of foundations	29	CM		
J	Allow for planking and strutting to uphold sides of excavations	ITEM		SUM	
K	Allow for keeping excations free from general water including spring water by pumbing, bailing or otherwise	ITEM		SUM	
L	Hardcore fill in making up levels laid and compacted in layers of 150 mm thick and overall thickness 300 mm	93	SM		
	Carried to Collection	1			



ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
A	Treat surface of stripped ground with chloropyrif or antitermite treatment applied in accordance with the manufacturer' printed instructions	102	SM		
B	Murram blinding laid on hardcore(ms)	93	SM		
C	Gauge 500 damp proof membrane	102	SM		
	<u>Concrete Work</u>				
	<u>Plain Concrete Class mix (1:4:8) in:</u>				
D	50 mm Thick blinding under strip foundations and column bases <u>Vibrated Reinforced concrete class 25/20 in:-</u>	42	SM		
E	Strip foundations	7	CM		
F	Column bases	1	CM		
G	Columns size 200x200 mm and 1150mm high	2	NO		
H	100 mm Thick floor bed	102	SM		
I	100 Ditto ramp 1200 mm wide and 3000 mm long including 20mm thick cement and sand screed (1:3) with grooves in approved pattern	1	NO		
J	Concrete site step size 1200x500 mm ,200 mm step and 165 mm high	8	LM		
K	Concrete thickening size 300x100 mm under floor bed and form sinking in hadrcore	0	LM		
	Carried to Collection				
	2				

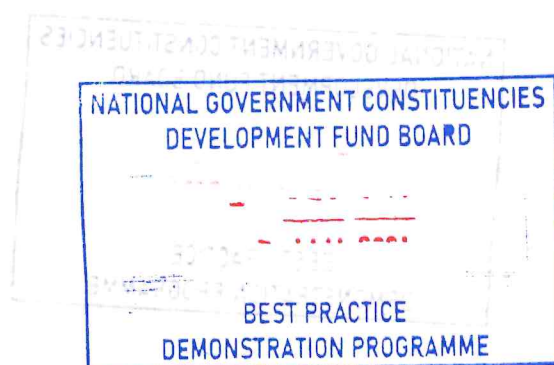
NATIONAL GOVERNMENT CONSTITUENCIES
DEVELOPMENT FUND BOARD

BEST PRACTICE
DEMONSTRATION PROGRAMME

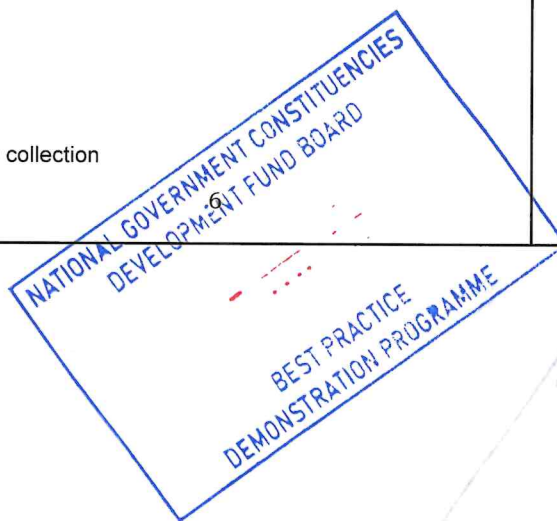
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
A	50 mm Thick precast concrete paving slabs (1:2:4) with joints in cement mortar (1:4) pointed and laid on murrum and hardcore bed including excavating 150 mm deep	26	SM		
	<u>REINFORCEMENT</u>				
	<u>Supply and fix the following high tensile ribbed round steel bars to B.S. 4461 including binding wires, spacer blocks ,cutting and bending</u>				
D	12 mm Diameter bars	35	KG		
E	10 mm Ditto	160	KG		
F	8mm Ditto	115	KG		
G	BRC Fabric REF. A142 weighing 2.20 KGS per square metres including side and end laps, stools and binding wire	102	SM		
	Carried to collection				
	3				



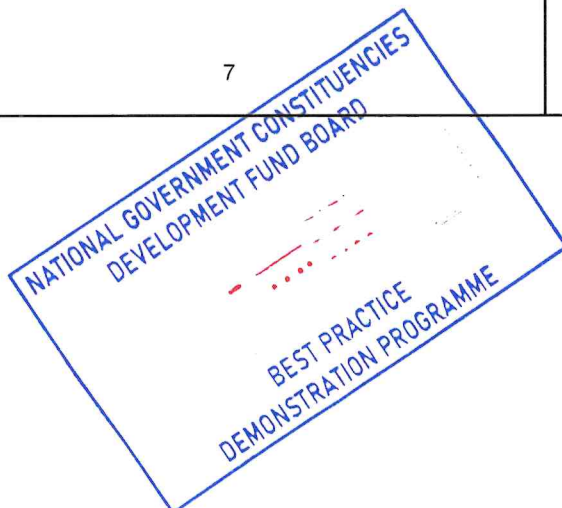
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>COLLECTION</u> From page 1 " " 2 " " 3 " " 4 TOTAL FOR SUBSTRUCTURE CARRIED TO MAIN SUMMARY 5				



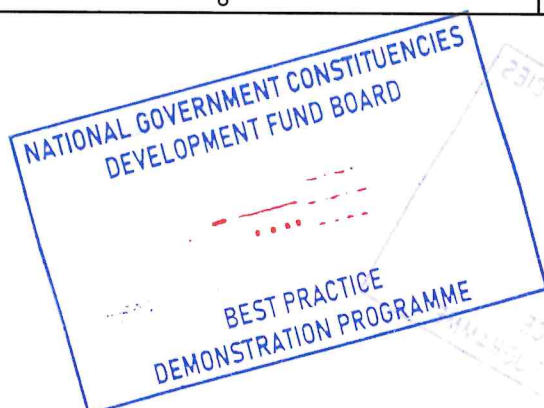
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>REINFORCED CONCRETE SUPERSTRUCTURE</u>				
	<u>Vibrated Reinforced Concrete mix class 25/20 with crushing strength of 25N/mm²</u>				
A	Ring Beams	4	CM		
B	Curved columns to 300 mm diameter	1	CM		
	<u>REINFORCEMENT</u>				
	<u>Supply and fix the following high tensile ribbed steel bars as before :</u>				
C	12 mm Diameter bars	650	KG		
D	8mm Ditto	405	KG		
	<u>Sawn formwork to:-</u>				
E	Sides and soffits of beams	46	SM		
F	Vertical sides of curved columns to 150 mm radius and battering	12	SM		
	Carried to collection				



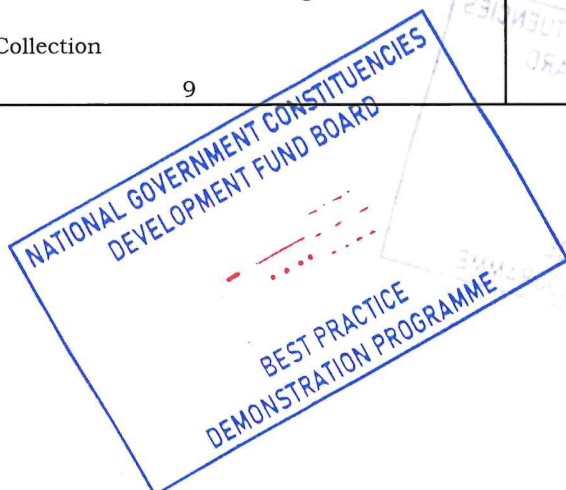
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>MILD STEEL</u>				
A	75 mm Diameter tubular pillar 2700 mm high with 100x100 x3mm base plate with 4NO.12 mm diameter anchor bolts, 150mm long and 100x50mm 2NO. Top plates with 4NO.10 mm diameter bolts 150 mm long	0	NO		
	<u>Hardwood:</u>				
B	100X50mm Ceiling joist	0	LM		
	<u>Painting and Decorating</u>				
C	Prepare and apply one undercoat and three coats of gloss oil paint to general surfaces of large pipes	0	LM		
	Carried to collection				
	<u>COLLECTION</u>				
	From page 6				
	" Above				
	TOTAL FOR REINFORCED CONCRETE				
	SUPERSTRUCTURE CARRIED TO MAIN SUMMARY				



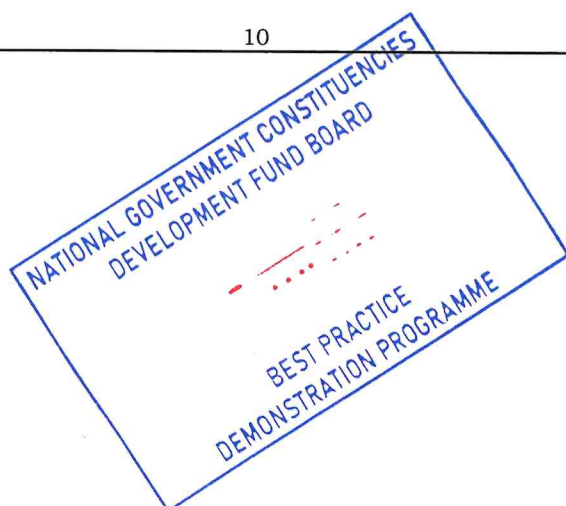
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>WALLING</u>				
	<u>EXTERNAL WALLING</u>				
	Natural stone machine cut , with crushing strength of 14.00 N/MM2 bedded in cement and sand (1:4) mortar joints reinforced with hoop as before:				
A	200 mm Thick walls	98	SM		
B	200 mm Ditto in gables	20	SM		
C	200X400 mm Piers	28	LM		
D	200 mm Wide damp proof course laid in cement and sand (1:4) bed	42	LM		
E	Extra over medium chisel dressed walling for neatly recessed horizontal joints	98	SM		
	<u>INTERNAL WALLING</u>				
F	200 mm Thick machine cut stone in cement and sand mortar joints (1:4)	55	SM		
G	100 mm Ditto	0	SM		
I	150X200 mm Precast concrete permanent vents with mosquito gauze wire build in walling	18	PR		
J	200 mm Wide damp proof as before described	22	LM		
K	100 mm Ditto	0	LM		
L	Eaves filling with natural stone and cement and sand mortar (1:4) average height 300 mm	39	LM		
M	Raking cutting on 150 mm walling	23	LM		
	TOTAL FOR WALLING CARRIED TO MAIN SUMMARY				
	8				



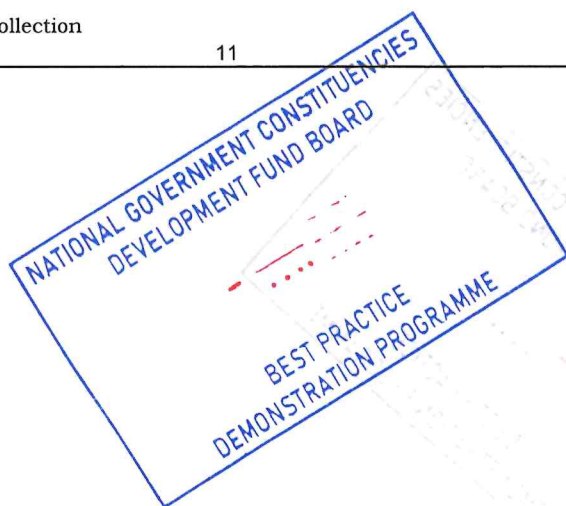
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	ROOFING <u>ALL PROVISIONAL (STRUCTURAL DRAWINGS FOR TRUSSES TO BE PROVIDED)</u> <u>ROOF CONSTRUCTION</u> <u>TIMBER TRUSSES</u> <u>The following 21NO.Trusses Spaning 7.10 Metres and 2NO. Trusses spaning 3.90m, hoist and fix 3.00 Metres above ground :</u> A 100x50 mm Rafters 115 LM B 150x50 Ceiling joists/tie beams 86 LM C 100X50 mm Jack rafters 75 LM D 100x50 Struts and ties 115 LM E 100X50 mm King post 25 LM F 100X50 mm Collar and splice plate 30 LM <u>Sundry</u> G 12 mm Diameter rawl bolts 200 mm long with washers 51 NO <u>END OF TRUSSES</u> <u>General Construction</u> H 100X50 mm Wall plate 44 LM I 75X50 mm Purlins 160 LM <u>ROOF COVERING</u> J Pre-painted gauge 28 galvanised corrugated roofing sheets with side and end laps including brass 'J' bolts with plastic caps to suppliers's specification 150 SM K Ridge and hip cap in matching sheet 16 LM L Gauge 28 GCI plain sheet in Valley gutter overall 500 mm bend 6 LM M 200X25 mm Fascia and Barge board 60 LM <u>Painting and Decorating</u> O Prepare and apply one under coat and three finishing coats of gloss oil paint to general surfaces of wood work 200 to 300 mm girth 60 LM Carried to Collection				
9					



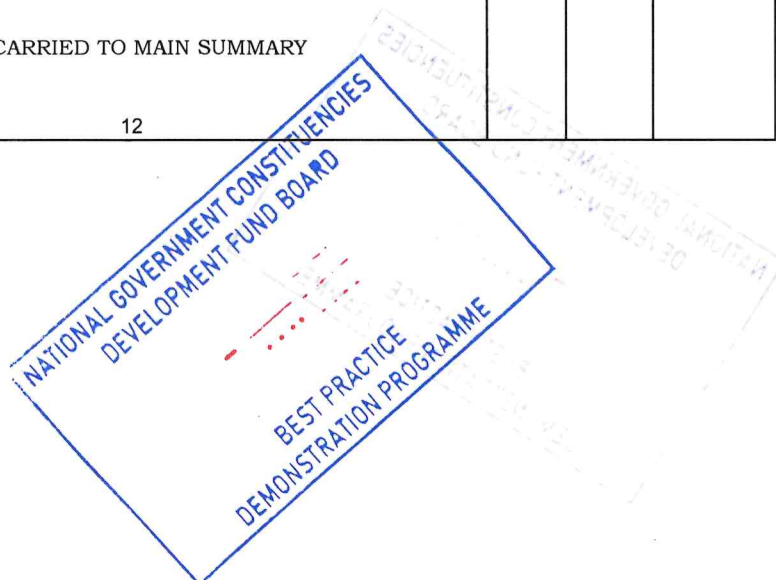
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>Rainwater Goods</u>				
A	100 mm Diameter half round plastic eaves gutters supported with brackets at 1000 mm centres	35	LM		
B	Extra over for 600 mm long swanneck	4	NO		
C	Ditto stopped ends	4	NO		
D	Ditto outlets	4	NO		
E	Ditto bends	4	NO		
F	75 mm Diameter down pipe held with pipe clips to walling	12	LM		
G	Extra over for offset	4	NO		
	Carried to Collection				
	<u>COLLECTION</u>				
	From Page 9				
	" " 10				
	TOTAL FOR ROOF CARRIED TO MAIN SUMMARY				
	10				



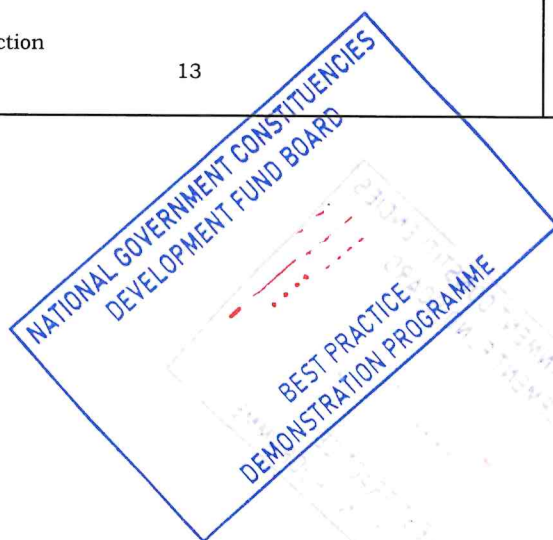
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>DOORS</u>				
	<u>Mild Steel</u>				
	<u>Fabricate, weld, supply and fix steel doors comprising gauge 16 cover plate in boxes heavy gauge sections with weld joints ground smooth, apply red oxide primer before delivery including lugs built - in walling to Architect's approval:-</u>				
A	Double Steel door size 1800x2100 mm, leaf size 900x2100 mm, consisting 38x38 x 2 mm angle frame, 25x25mm hollow section tube internal framing including necessary ironmongery with 3NO. 25mm Heavy duty hinges, box profile 300x450mm	0	NO		
B	Single leaf size 900x2100mm ditto	0			
	<u>Glazing</u>				
C	4mm Thick clear sheet glass in panes 0.10 to 0.50 Square metres and glazing metal with linseed putty	0	SM		
	<u>Hardwood</u>				
D	45mm Thick panelled doors size 900x2050mm with 150mm stiles, 150mm top and bottom rail 150x45mm mid rail and 450x300 mm panels to Works Officer's approval	3	NO		
E	45 mm Ditto but double door size 1200x2050mm, leaf size 600x2050mm ditto	1	NO		
	<u>Frames and Mouldings</u>				
F	150X50mm Frame with two labours plugged	17	LM		
G	150X50 mm Transome	3	LM		
H	40X20 mm Architrave planted on	17	LM		
I	20mm Quadrant ditto	17	LM		
	<u>Glazing</u>				
J	4mm Thick clear glass in fanlight 0.10 to 0.50 square metres and glazing wood with 25x25mm glazing bead in fanlight	2	SM		
	Carried to Collection				
	11				



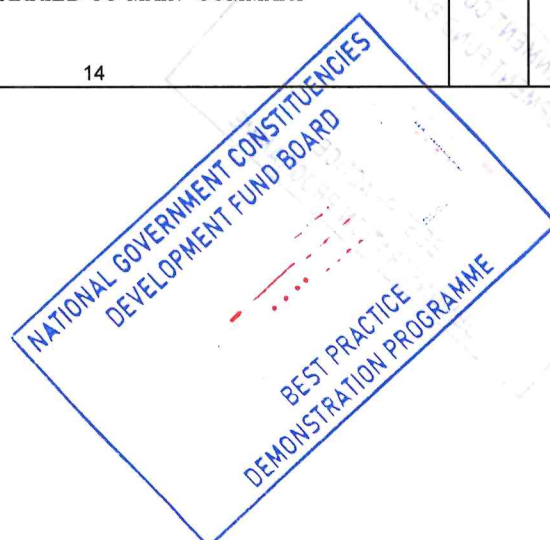
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>Ironmongery</u>				
A	Two lever mortice lock and furniture including matching screws as Union	3	NO		
B	Ditto with rebated forend	1	NO		
C	100 mm Brass butt hinges	6	PRS		
D	Rubber stops	4	NO		
	<u>Painting and Decorating</u>				
	<u>Externally</u>				
E	Prepare and apply three coats of gloss oil paint to general surfaces of metal	10	SM		
	<u>Internally</u>				
F	Prepare and apply three coats as before	10	SM		
	<u>Sand and stain</u>				
	<u>Prepare and apply three coats of clear wood wax varish to general surfaces of wood work</u>				
G	General surfaces of wood work	8	SM		
H	Ditto 200 mm to 300 mm girth	17	LM		
J	Prime back of frame 100 to 200 mm girth	17	LM		
	Carried to Collection				
	<u>COLLECTION</u>				
	From Page 11				
	" " 12				
	TOTAL FOR DOORS CARRIED TO MAIN SUMMARY				
	12				



ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>WINDOWS</u>				
	<u>Mild Steel</u>				
	<u>Fabricate ,Supply and fix including ground smooth weld joints with ' I' sections and 25x25 mm ' Z' sections prepare and apply red oxide primer before delivery including brass window stays and fasteners to Architect's approval:</u>				
A	Composite window size 2000x1500 mm consisting of 2NO. opening lights size 650x1500mm , 1NO.fixed light and ventlight including 12 mm square burglar proofing to Architect's approved pattern	6	NO		
B	Ditto 900x650 mm Ditto, 1NO. Opening lights, and 1NO.ventlight as W5	0	NO		
C	Ditto 1500x1500 mm ditto as W2	0	NO		
D	Ditto 1200x1200 mm ditto as W3	0	NO		
E	Ditto 600x1500 mm ditto as W5	0	NO		
	<u>Glazing</u>				
F	4mm Thick clear glass in panes 0.10 to 0.50 square metres and glazing metal with linseed oil putty	18	SM		
G	5mm Ditto but obscure glass ditto	0	SM		
	<u>Precast Concrete</u>				
H	265X75 mm Window cill in concrete (1:2:4) including moulds, throating, top weathered and hoist and fix in position	11	LM		
	Carried to Collection				
	13				



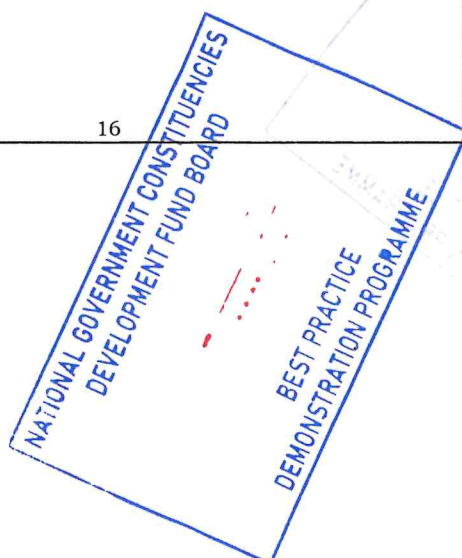
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>Curtains</u> A Approved cloth in curtains size 2100x1600mm , in two leaves size 1050x1600 mm <u>Wrought Iron</u> B Supply and Fix wrought iron curtain rods complete with fixing brackets attached to wall to receive curtains tracks and decoration ends	6	NO		
		11	LM		
	From Page 13 " " 14 TOTAL FOR WINDOWS CARRIED TO MAIN SUMMARY				
	14				



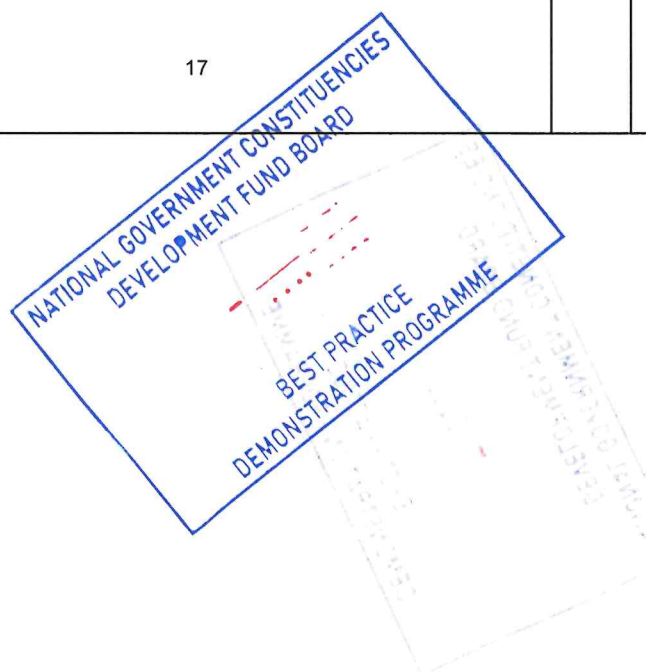
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>FINISHES</u>				
	<u>EXTERNAL FINISHES</u>				
A	12 mm Thick cement and sand (1:4) rendering to concrete surfaces and gables woodfloat finished	22	SM		
B	12 mm Ditto to walls and reveals	20	SM		
	<u>Painting and Decorating</u>				
C	Prepare and apply three coats perma coat emulsion paint to plastered surfaces	42	SM		
	<u>Internal Wall Finishes</u>				
D	12 mm Thick plaster plus cement and sand (1:4) steel float finished	195	SM		
	<u>Painting and Decorating</u>				
E	Prepare and apply three coats plastic emulsion vinyl silk cream paint to plastered surfaces	195	SM		
	<u>Ceramic Wall Tiles</u>				
F	6mm Thick white glazed wall tile size 300x200mm fixed to walls with cement grout and joints pointed with white cement	0	SM		
	Carried to Collection				



ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>Floor Finishes</u>				
A	20 mm Thick cement and sand (1:3) floor screed wood float finished to receive tiles (M.S)	102	SM		
	<u>Ceramic Floor Tiles</u>				
B	8 mm Thick ceramic tiles size 300x300 mm laid with cement grout and joints pointed with white cement	102	SM		
C	8 mm Ditto and 100 mm high skirting with coved junction between flooring	70	LM		
	<u>Ceiling</u>				
D	12 mm Thick celotex lining fixed in symetrical pattern in ceiling to timer branderings (MS)	102	SM		
E	75X12 mm Cornice with two labours plugged	72	LM		
	<u>Second Grade timber</u>				
F	50X50 mm Branderings	302	LM		
	<u>Painting and Decorating</u>				
G	Prepare and apply three coats of plastic emulsion paint to general surfaces of softboard (Brilliant white)	102	SM		
	<u>Extra Over for :</u>				
H	Celotex lining trap door size 600x600mm with wrot cypress framing 50x50 mm with mitre joints	3	NO		
	Carried to Collection				



ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>COLLECTION</u> From Page 15 " " 16 TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY 17				

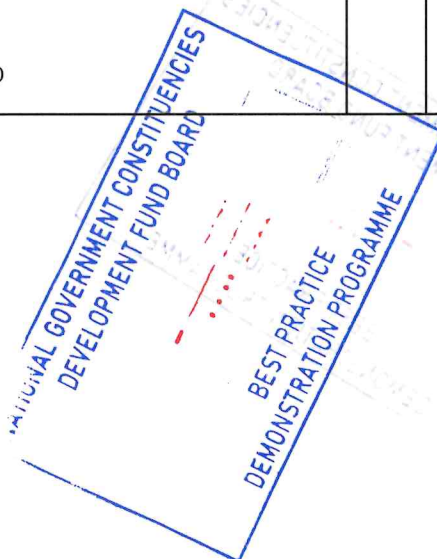


ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>ELECTRICAL INSTALLATION</u> <u>ELECTRICAL WORKS TO BE EXECUTED BY SPECIALIST REGISTERED BY KPL</u> <u>Supply , install , test and commission the following:</u> A Lighting points wired in 3x1.5mm² SC PVC CU cables drawn in 20mm dia HG PVC conduits with all necessary accessories excluding switches and fittings for one way switching B 10A moulded ivory switch plate as crabtree or approved equivalent as follows: i. Two way one gang ii. Three way one gang C Lighting fittings complete with fixing accessories and lamps as follows: i). 1200mm lx 36w florescent batten fitting or slim cross section with clip on cover plate and adjustable end cap system as Thorn Popular Pack batten or approved equivalent D ii) Bulkhead fitting with aluminium body on Thorn or approved equivalent with Energy saving bulb E Socket outlets Power outlets i. Comprising of wiring in 3x2.5mm² PVC SC CU in concealed HG conduits ii. 13A 2gang switched moulded socket outlet as crabtree or approved equivalent Consumer Units and Distribution Boards F 4-Way SP/N consumer unit flush mounted on wall complete with a 10A SP/N integral isolator as crabtree or approved equivalent G Single Pole miniature circuit breaker as follows: i. 5ASP ii. 30asp iii. Blanking covers Carried to Collection	18	NO		
		10	NO		
		1	NO		
		18	NO		
		1	NO		
		18	NO		
		3	NO		
		1	NO		
		2	NO		
		1	NO		

REGIONAL GOVERNMENT CONSTITUENCIES
DEVELOPMENT FUND BOARD

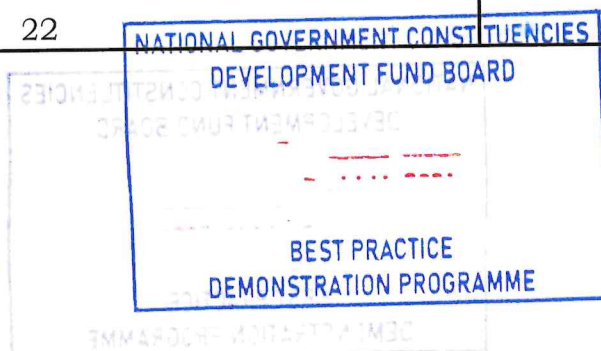
BEST PRACTICE
DEMONSTRATION PROGRAMME

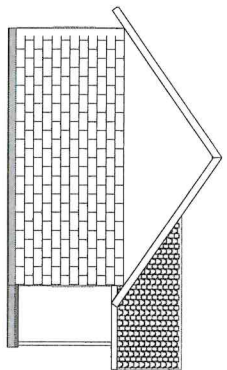
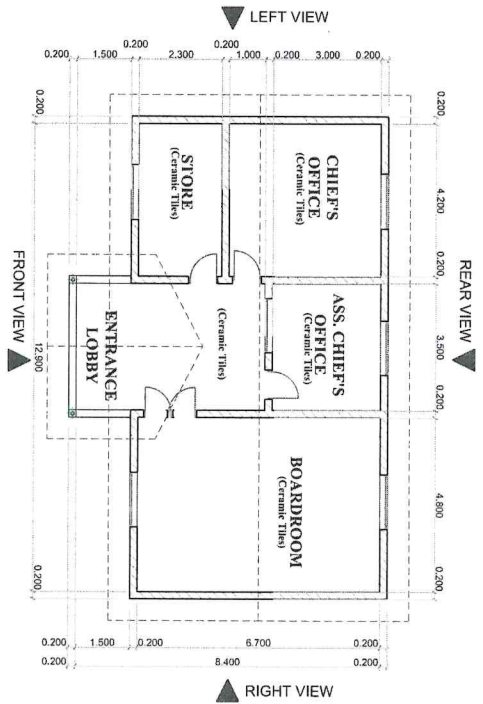
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>WATER STORAGE TANK</u>				
A	Excavate over site as before	3	SM		
B	Excavate foundation trench ditto	2	CM		
C	150 mm Thick concrete block walling as before	3	SM		
D	Mass concrete (1:3:6) in foundations	1	CM		
E	450 mm Thick hardcore as before	3	SM		
F	50 mm Thick murram as before	3	SM		
G	100 mm Thick concrete (1:3:6) in slap	3	SM		
H	20 mm Thick cement and sand screed (1:3) as before	4	SM		
I	BRC REF A142 Fbric mesh as before	3	SM		
J	Supply and install cold water storage plastic water 10000 Litre capacity Heavy duty (3 Ply)	1	NO		
K	12 mm Diameter pegler tap	1	NO		
L	19 mm Ditto union	1	NO		
M	32 mm Diameter overflow pipe 400 mm long	1	NO		
	TOTAL FOR WATER TANK CARRIED TO MAIN SUMMARY				



ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>PRIME COST AND PROVISIONAL SUMS</u> <u>EXPENDITURE FOR ITEMS HERE BELOW SHALL BE APPROVED BY NG-CDF BOARD</u> <u>The following sums shall be expended upon Architect's instructions and may be omitted in whole:</u>				
A	Allow for a Provisional Sum of Kenya Shillings Two Hundred Thousand (Kshs.200,000/) for Contingency	ITEM		SUM	200,000.00
B	Allow for a Prime Cost Sum of Kenya Shillings Fifty Thousand (Kshs.50,000/) for Supply and Delivery of 9KG and 2NO. Water base and 9 Litre X2NO. Carbon dioxide Fire extinguishers mounted on walling to approval	ITEM		SUM	50,000.00
C	Allow for Branding of Project in accordance with NG-CDF Board Specifications	ITEM		SUM	50,000.00
	<u>FURNITURE</u>				
	<u>MDF</u>				
D	Allow for a Provisional Sum of Kshs. 850,000/ for supply of furniture comprising executive chair and table for Chief and Assistant chief, 15NO.Chairs to Boardroom and reception counter with chair all to approval of Works Officer and Chief from an established furniture supplier	ITEM		SUM	850,000.00
E	Allow for Transport to site	ITEM		10%	85,000.00
	TOTAL FOR PRIME COST AND PROVISIONAL SUMS CARRIED TO MAIN SUMMARY				

ITEM NO	DESCRIPTION	SHS
<u>PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK</u>		
	<u>AND EQUIPPING</u>	
	<u>MAIN SUMMARY</u>	
A	SUBSTRUCTURE -PAGE 5	
B	REINFORCED CONCRETE SUPERSTRUCTURE - PAGE 7	
C	WALLING-PAGE 8	
D	ROOFING - PAGE 10	
E	DOORS - PAGE 12	
F	WINDOWS - PAGE 14	
G	FINISHES - PAGE 17	
H	ELECTRICAL INSTALLATION - PAGE 19	
J	WATER TANK - PAGE 20	
K	PRIME COST AND PROVISIONAL SUMS- PAGE 21	
L	PRELIMINARIES (Water for works, Hoarding, Etc)	
	SUB-TOTAL	
	ADD VAT 16%	
	TOTAL COST OF ADMINISTRATION BLOCK CARRIED TO	
	FORM OF TENDER	

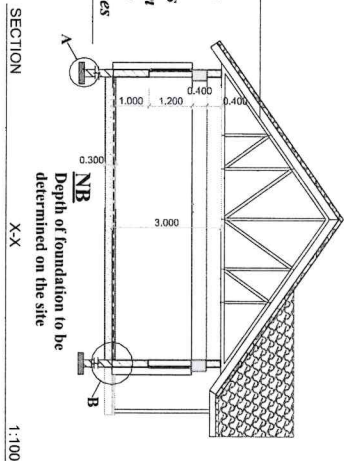




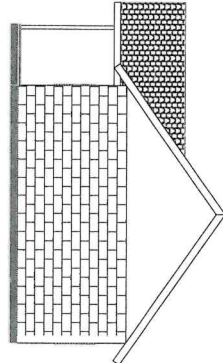
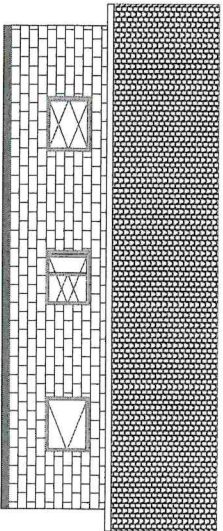
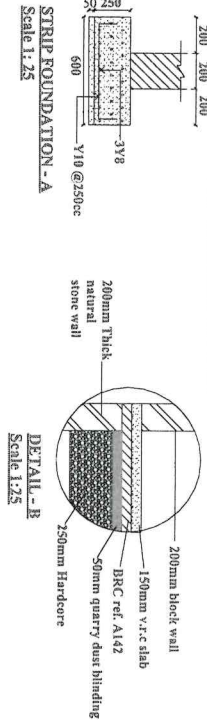
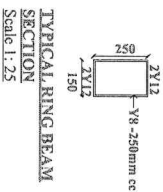
NATIONAL GOVERNMENT CONSTITUENCIES DEVELOPMENT FUND BOARD **BEST PRACTICE DEMONSTRATION PROGRAMME**

ROOF NOTES

- Rafters 100 x 50mm
- Tie beam 150 x 50mm
- Struts & ties 100 x 50mm
- Purlins 75 x 50mm
- 30g pre-painted GI sheets
- Fascia board 200 x 20mm
- 150 x 100mm box gutters
- 75mm diameter down pipes



- ### GENERAL NOTES
1. All works to be carried out in accordance with the local council regulation
 2. Dimensions to be read not scaled off
 3. All dimensions to be approved on site before commencing any works
 4. Provide 500 gauge damp proof membrane (DPM) under ground floor slab
 5. Damp proof course (DPC) to be provided under all ground floor walls
 6. All reinforced concrete works to be done in accordance with the engineer design
 7. Permanent vent (PV) to be provided as indicated in the drawing
 8. All sanitary works to be done to the M.O.H regulations
 9. 1500mm x 1200mm -SSeal casement window
 10. 1200 x 2100 mm - Steel casement door
 11. C.S.S -Cement Sand Screed



PROJECT NAME	PROPOSED CHIEF'S OFFICE BLOCK
TITLE	FLOOR PLAN, SECTION ELEVATION AND DETAILS
DEPARTMENT OF PUBLIC WORKS	
DRAWN BY	SCALE : AS SHOWN
B. M.	

