

**PROPOSED CONSTRUCTION OF 3NO.CLASSROOMS
AND EQUIPPING**

AT

NABUYOLE F.Y.M COMPREHENSIVE SCHOOL

IN

WEBUYE EAST CONSTITUENCY

BUNGOMA 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	263	SM		
C	Excavate oversite 150mm deep to remove vegetable soil and cart away and deposit as directed	263	SM		
D	Excavate to reduce levels commencing from stripped ground level	68	CM		
E	Excavate for trench not exceeding 1.50 metres deep from stripped ground	60	CM		
F	Extra over for excavation in rock of any class	2	CM		
G	Cart away excavated material and deposit in council approved dump	97	CM		
H	Return, fill and ram selected material to back of foundations	31	CM		
I	Allow for planking and strutting to uphold sides of excavations	ITEM		SUM	
J	Allow for keeping excations free from general water including spring water by pumbing, bailing or otherwise	ITEM		SUM	
K	Hardcore fill in making up levels laid and compacted in layers of 150 mm thick and overall thickness 300 mm	215	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	228	SM		
B	Murram blinding laid on hardcore(ms)	215	SM		
C	Gauge 500 damp proof membrane	228	SM		
	<u>Concrete Work</u>				
	<u>Plain Concrete Class mix (1:4:8) in:</u>				
D	50 mm Thick blinding under strip foundations	46	SM		
	<u>Vibrated Reinforced concrete class 25/20 in:-</u>				
E	Strip foundations	9	CM		
F	100 mm Thick floor bed	228	SM		
G	100 Ditto ramp 1200 mm wide and 3000 mm long including 20mm thick cement and sand screed (1:3) with grooves in approved pattern	3	NO		
H	Concrete site step size 1200x500 mm ,200 mm step and 165 mm high	8	LM		
	Carried to Collection				

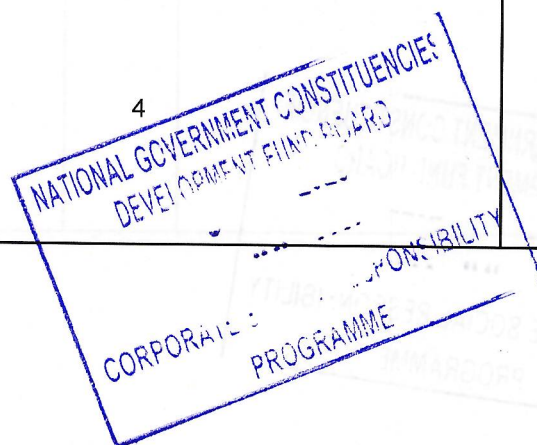
NATIONAL GOVERNMENT CONSTITUENCY
DEVELOPMENT CHAIRMAN
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CORPORATE

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	39	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	10 mm Ditto	91	KG		
E	8mm Ditto	102	KG		
F	BRC Fabric REF. A142 weighing 2.20 KGS per square metres including side and end laps, stools and binding wire	228	SM		
	Carried to collection				



ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>Sawn Formwork to:-</u>				
A	Sides of foundations	31	SM		
B	Edge of bed 75- 150 mm high	64	LM		
C	Edge of riser 150 - 225 mm high	8	LM		
	<u>WALLING</u>				
D	200 mm Thick natural stone walling to 14 N/mm ² crushing strength joint in cement and sand mortar (1:4) and reinforced with 25x3 mm hoop iron at alternate courses	89	SM		
E	200X400 mm Piers	23	LM		
	<u>PLINTHS</u>				
F	12 mm Thick cement and sand (1:4) render to plinth woodfloat finished	19	SM		
G	Prepare and apply three coats bitumastic paint to rendered plinth	19	SM		
	Carried to collection				



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

NATIONAL GOVERNMENT CONSTITUENCIES
 DEVELOPMENT FUND BOARD

 CORPORATE SOCIAL RESPONSIBILITY
 PROGRAMME

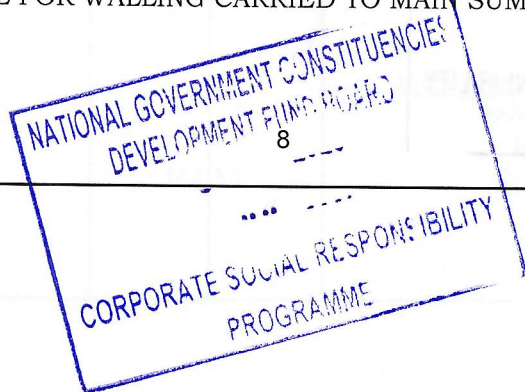
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	REINFORCED CONCRETE SUPERSTRUCTURE				
	<u>Vibrated Reinforced Concrete mix class 25/20 with crushing strength of 25N/mm²</u>				
A	Ring Beams	5	CM		
	<u>REINFORCEMENT</u>				
	<u>Supply and fix the following high tensile ribbed steel bars as before :</u>				
B	12 mm Diameter bars	276	KG		
C	8mm Ditto	139	KG		
	<u>Sawn formwork to:-</u>				
D	Sides and soffits of beams	59	SM		
	Carried to collection				

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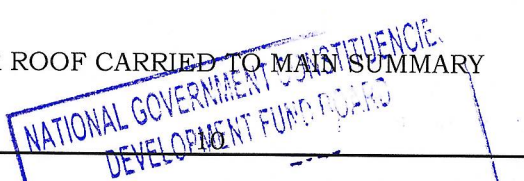

ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
A	<p><u>MILD STEEL</u></p> <p>75 mm Diameter tubular pillar 2700 mm high with 100x100 x3mm base plate with 4NO.12 mm diameter anchor bolts, 150mm long and 100x50mm 2NO. Top plates with 4NO.10 mm diameter bolts 150 mm long</p> <p>Second Grade Celcured Cypress :</p>	10	NO		
B	<p>100X50mm Ceiling joist</p> <p><u>Painting and Decorating</u></p> <p><u>All Paints shall be from Crown Berger or Dura Coat</u></p>	28	LM		
C	<p>Prepare and apply one undercoat and three coats of gloss oil paint to general surfaces of large pipes</p> <p>Carried to collection</p> <p><u>COLLECTION</u></p> <p>From page 6</p> <p>" Above</p> <p>NATIONAL GOVERNMENT CONSTITUENCY DEVELOPMENT FUND BOARD</p> <p>CORPORATE SOCIAL RESPONSIBILITY PROGRAMME</p> <p>TOTAL FOR REINFORCED CONCRETE SUPERSTRUCTURE CARRIED TO MAIN SUMMARY</p> <p>7</p>	27	LM		

ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>WALLING</u>				
	<u>EXTERNAL WALLING</u>				
	<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:</u>				
A	200 mm Thick walls	128	SM		
B	200 mm Ditto in gables	14	SM		
C	200X400 mm Piers	54	LM		
D	200 mm Wide damp proof course laid in cement and sand (1:4) bed	64	LM		
E	Extra over medium chisel dressed walling for neatly recessed horizontal joints	128	SM		
	<u>INTERNAL WALLING</u>				
F	200 mm Thick machine cut stone in cement and sand mortar joints (1:4)	38	SM		
G	150X200 mm Precast concrete permanent vents with mosquito gauze wire build in walling	8	PR		
H	200 mm Wide damp proof as before described	14	LM		
I	Eaves filling with natural stone and cement and sand mortar (1:4) average height 300 mm	55	LM		
J	Raking cutting on 200 mm thick walling	26	LM		
	TOTAL FOR WALLING CARRIED TO MAIN SUMMARY				



ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>ROOFING</u>				
	<u>ROOF CONSTRUCTION</u>				
	<u>TIMBER TRUSSES</u>				
	Fabricate, bolt and hoist the following 16NO.Trusses span 10.15 metres and hoist and fix 3.00 metre above ground:				
	Second grade celcured cypress:				
A	100x50 mm Rafters	167	LM		
B	100x50 Ceiling joists/tie beams	138	LM		
C	100x50 Struts and ties	167	LM		
D	100X50 mm King post	29	LM		
	<u>Sundry</u>				
E	12 mm Diameter rawl bolts 200 mm long with washers	51	NO		
	<u>END OF TRUSSES</u>				
	<u>General Construction</u>				
F	100X50 mm Wall plate	49	LM		
I	75X50 mm Purlins	301	LM		
	<u>ROOF COVERING</u>				
J	Pre-painted gauge 28 galvanised corrugated roofing sheets with side and end laps including nails with plastic caps to supplier's specification	280	SM		
K	Ridge and hip cap in matching sheet	25	LM		
	<u>Wrot Cypress</u>				
L	200X25 mm Fascia and Barge board	73	LM		
	<u>Painting and Decorating</u>				
	All Paints shall be <u>Corporate Social Responsibility Programme</u>				
M	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	73	LM		
	Carrie to Collection				

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	50	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				



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ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<p style="text-align: center;"><u>DOORS</u></p> <p><u>Mild Steel</u></p> <p><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></p> <p>A Double Steel door size 1200x2400 mm, leaf size 600x2100 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 panels size 300x450mm</p> <p><u>Glazing</u></p> <p>B 4mm Thick clear sheet glass in panes 0.10 to 0.50 Square metres and glazing metal with linseed putty</p> <div data-bbox="300 1137 778 1473" style="border: 2px solid blue; padding: 5px; margin: 20px auto; width: fit-content;"> <p style="text-align: center;">NATIONAL GOVERNMENT CONSTITUENCIE DEVELOPMENT FUND BOARD</p> <p style="text-align: center;">CORPORATE SOCIAL RESPONSIBILITY PROGRAMME</p> </div> <p>Carried to Collection</p>	3	NO		

ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>Ironmongery</u>				
A	Two lever mortice lock and furniture including matching screws as Union	0	NO		
B	Heavy duty bush hinges	6	NO		
C	Rubber stops	6	NO		
	<u>Painting and Decorating</u>				
	<u>Externally</u>				
D	Prepare and apply three coats of gloss oil paint from Crown Berger or Dura Coat to general surfaces of meta	9	SM		
	<u>Internally</u>				
E	Prepare and apply three coats as before	9	SM		
	Carried to Collection				
	From Page 11				
	" " 12				
	TOTAL FOR DOORS CARRIED TO MAIN SUMMARY				

COLLECTION



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 1800x1500 mm consisting of 2NO. opening lights size 600x1500mm , 1NO.fixed light and ventlight	9	NO		
B	Ditto 1800x1000 mm Ditto, 2NO. Opening lights, 1NO. fixed light and ventlight	6	NO		
	<u>Glazing</u>				
C	4mm Thick clear glass in panes 0.10 to 0.50 square metres and glazing metal with linseed oil putty	35	SM		
	<u>Precast Concrete</u>				
D	265X75 mm Window cill in concrete (1:2:4) including moulds, throating, top weathered and hoist and fix in position	29	LM		
					
	Carried to Collection				
	13				

ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>Painting and Decorating</u>				
	<u>Internally</u>				
A	Prepare and apply one under coat and three coats of gloss oil paint from Crown Berger or Dura Coat to general surfaces of metal	35	SM		
	<u>Externally</u>				
B	Ditto Surfaces of metal	35	SM		
	Carried to Collection				
	<u>COLLECTION</u>				
	From Page 13				
	" " 14				
	TOTAL FOR WINDOWS CARRIED TO MAIN SUMMARY				


NATIONAL GOVERNMENT CONSTITUENCE
DEVELOPMENT FINANCIAL

CORPORATE SOCIAL RESPONSIBILITY
PROGRAMME

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	33	SM		
B	12 mm Ditto to walls and reveals	17	SM		
	<u>Painting and Decorating</u>				
C	Prepare and apply three coats perma coat emulsion paint from Crown Berger or Dura Coat to plastered surfaces	50	SM		
	<u>Internal Wall Finishes</u>				
D	12 mm Thick plaster plus cement and sand (1:4) steel float finished	226	SM		
	<u>Painting and Decorating</u>				
E	Prepare and apply three coats plastic emulsion vinyl silk cream paint from Crown Berger or Dura Coat to plastered surfaces	226	SM		
	<u>Carried to Collection</u>				
	15				




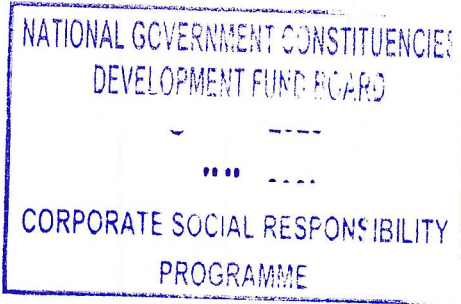
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<u>Floor Finishes</u>				
A	20 mm Thick cement and sand (1:3) floor screed wood float finished to receive tiles (M.S)	212	SM		
	<u>Polished Terrazo in white marble chippings</u>				
B	20 mm Thick terrazo consisting white marble chippings and white cement to approval of works officer	212	SM		
C	20 mm Ditto and 100 mm high skirting with coved junction between flooring	107	LM		
D	3 mm Thick plastic dividing strip 20 mm wide set in terrazo floor finishes	868	LM		
	<u>Ceiling</u>				
E	12 mm Thick celotex lining fixed in symmetrical pattern in ceiling to timer branderings (MS)	212	SM		
F	75X12 mm Cornice with two labours plugged	115	LM		
	<u>Extra Over for :</u>				
G	Celotex lining trap door size 600x600mm with wrot cypress framing 50x25 mm with mitre joints	3	NO		
	<u>Second Grade Celcured Cypress :</u>				
H	50X50 mm Branderings	780	LM		
	<u>Painting and Decorating</u>				
H I	Prepare and apply three coats of plastic emulsion paint to general surfaces of softboard (Brilliant white)	212	SM		
	Carried to Collection				



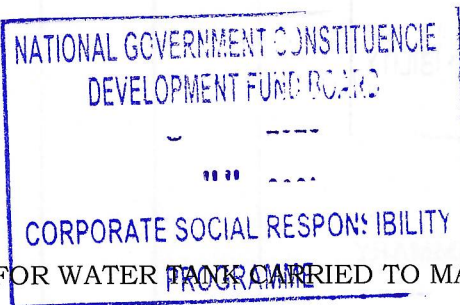
 NATIONAL GOVERNMENT CONSTITUENCIES
 DEVELOPMENT FUND BOARD
 16

 CORPORATE SOCIAL RESPONSIBILITY
 PROGRAMME

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>FIXTURES</u>				
	<u>The following in 3NO.White Board size 2000x1500 mm</u>				
A	Supply and mount white board to walling complete with chalk and dust holder all in accordance with specifications from SEPU	3	NO		
	<u>The following in 3NO.Notice Board size 2400x1200 mm</u>				
B	12 mm Thick soft board	9	SM		
C	50X25 mm Wrot Cypress moulded framing plugged	22	LM		
	<u>Painting and Decorating</u>				
D	Prepare and apply one under coat and three coats of brilliant white emulsion paint to general surfaces of soft board	9	SM		
E	Prepare and apply one under coat and three coat of gloss oil paint to general surfaces of wood work to 100 mm girth	22	LM		
					
	Carried to Collection				
	18				

ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	<p style="text-align: center;"><u>COLLECTION</u></p> <p>From Page 18</p> <div style="border: 1px solid black; padding: 10px; margin: 20px auto; width: fit-content;"> <p style="text-align: center;">NATIONAL GOVERNMENT CONSTITUENCIES DEVELOPMENT FUND BOARD</p> <p style="text-align: center;">... ..</p> <p style="text-align: center;">CORPORATE SOCIAL RESPONSIBILITY PROGRAMME</p> </div>				
	<p>TOTAL FOR FIXTURES CARRIED TO SUMMARY</p>				

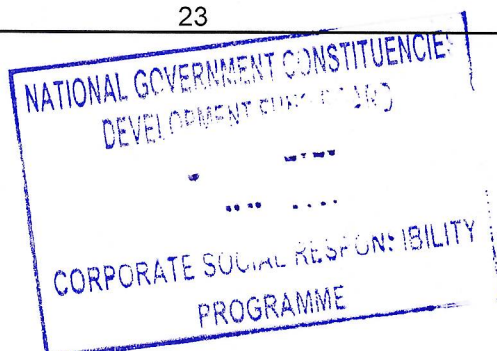
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
<u>WATER STORAGE TANK</u>					
A	Excavate over site as before	3	SM		
B	Excavate foundation trench ditto	2	CM		
C	150 mm Thick concrete block walling as before	3	SM		
D	Mass concrete (1:3:6) in foundations	1	CM		
E	450 mm Thick hardcore as before	3	SM		
F	50 mm Thick murrum 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 from Kentank or other equal and approved, 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 PROGRAMME CARRIED TO MAIN SUMMARY					
20					

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 3x1.5mm ² SC PVC CU cables drawn in 20mm dia HG PVC conduits with all necessary accessories excluding switches and fittings for one way switching	29	NO		
B	10A moulded ivory switch plate as crabtree or approved equivalent as follows: i. Two way one gang	3	NO		
	ii. Three way one gang	1	NO		
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	21	NO		
D	ii) Bulkhead fitting with aluminium body on Thorn or approved equivalent with Energy saving bulb	8	NO		
E	Socket outlets Power outlets i. Comprising of wiring in 3x2.5mm ² PVC SC CU in concealed HG conduits	6	NO		
	ii. 13A 2gang switched moulded socket outlet as crabtree or approved equivalent	3	NO		
	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	1	NO		
G	Single Pole miniature circuit breaker as follows: i. 5ASP	1	NO		
	ii. 30asp	2	NO		
	iii. Blanking covers	1	NO		
	Carried to Collection	21			



ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
A	Sub-mains Cables 3x6.0mm ² SCPVC CU cables drawn in HG conduit	10	LM		
B	Standard cable looping box complete with single cut out fuse neutral link	1	NO		
C	Electrical earthing comprising of 6.0mm ² SC PVC CU cable drawn in HG conduits 1500mm times 15mm copper electrodes c/w clamps pre-cast concrete inspection pit with cover	ITEM		SUM	
D	Testing and commissioning	ITEM		SUM	
E	Allow for supply and fixing Copper Lighting arrestors, w	1	NO		
	Carried to Collection				
	<u>COLLECTION</u>				
	From Page 21				
	" " 22				
					
	TOTAL FOR ELECTRICAL INSTALLATION CARRIED TO SUMMARY				
	22				

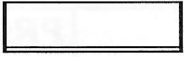
ITEM NO	DESCRIPTION	QTY	UNIT	RATE	SHS
	PRIME COST AND PROVISIONAL SUMS <u>EXPENDITURE FOR ITEMS HERE BELOW SHALL BE APPROVED BY NG-CDF BOARD</u> <u>The following sums shall be expended upon Architect's instructions and may be omitted in whole:</u>				
A	Allow for a Provisional Sum of Kenya Shillings Two Hundred Thousand (Kshs.200,000/) for Contingency	ITEM		SUM	200,000
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
C	Allow for Branding of Project in accordance with NG-CDF Board Specifications	ITEM		SUM	50,000
	<u>FURNITURE</u> <u>Wrot Cypress</u> <u>Mild Steel tubular framing 25mm diameter heavy duty to Desk Lockers</u> <u>The Desks Locker shall be in 12mm thick cypress timber and polished with clear wood varnish. Teachers' Tables shall be 20 thick MDF 25x25 mm Tubular mild steel framing with 4NO.legs. Teachers' Chairs shall be in 9 mm thick plywood on 25mm tubular framing and 4NO.legs</u>				
D	Allow for a Provisional Sum of Kenya Shillings (Kshs 742,500.00) for Fabrication and Supply of 135NO Desk Lockers 750mm long and 450mm deep ,3NO.Teachers'Tables and 3NO.Chairs to be supplied by an approved Supplier with specifications from County Works Officer and Head Teacher including 135NO.Chairs.	ITEM		SUM	742,500
E	Allow for Transport to site	ITEM		10%	74,250
	TOTAL FOR PRIME COST AND PROVISIONAL SUMS CARRIED TO MAIN SUMMARY				



ITEM NO	DESCRIPTION	SHS
	<u>PROPOSED CONSTRUCTION OF 3NO.CLASSROOMS 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	
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H	FIXTURES- PAGE 19	
I	WATER TANK- PAGE 20	
J	ELECTRICAL INSTALLATION -PAGE 22	
K	PRIME COST AND PROVISIONAL SUMS-PAGE 23	
L	PRELIMINARIES(Water for works, Hoarding , Etc)	
	SUB-TOTAL ADD VAT 16% TOTAL COST OF 3NO CLASSROOMS CARRIED TO FORM OF TENDER	<div style="border: 1px solid black; width: 100%; height: 40px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100%; height: 40px;"></div>



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ITEM NO	DESCRIPTION
A	SUBSTRUCTURE
B	CONCRETE WORK
C	ROOFING
D	DOORS
E	WINDOWS
F	PLASTER
G	ELECTRICAL
H	PAINT
I	MECHANICAL
J	FINISH
K	LANDSCAPING
L	CONTINGENCY
M	TOTAL

NATIONAL DEVELOPMENT BANK
 CORPORATION
 CORPORATE SOCIAL RESPONSIBILITY
 PROGRAMME

