BILLS OF QUANTITIES FOR 2N0 CLASSROOMS					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.1 **SUBSTRUCTURES (PROVISIONAL)**				
	Site Preparation				
A	Clear site of grass, bushes, shrubs and small trees not exceeding 300mm girth including grubbing	284	SM		-
	EXCAVATIONS AND EARTHWORKS:				
B	Excavate oversite to remove vegetable soil, average 200mm depth, spread on site the overburden.	284	SM		-
C	Excavate trench for strip footing not exceeding 1.50 metres deep commencing at reduced levels.	65	CM		-
	Diposal of water				
D	Allow for keeping excavations free from water and mud by pumping, bailing or other approved method.	1	ITEM		-
	Planking and strutting				
E	Allow for maintaining and supporting sides of all excavations and keeping same free from fallen material.	1	ITEM		-
	Disposal				
F	Load and cart away excavated materials and spread on site.	29	CM		-
	Filling:				
G	Return, fill-in and ram selected excavated	36	CM		-
H	300mm Thick Approved hand packed hardcore: compacted in layers not exceeding 150mm Thick : to the satisfaction of the Structural Engineer.	62	CM		-
I	Approved Imported murram fillings to make up levels : compacted in layers not exceeding 150mm Thick : to the satisfaction of the Structural Engineer.	62	CM		-
	Blinding				
J	50 mm murram blinding to surfaces of hardcore filling, levelled and compacted to approval.	204	SM		-
	CARRIED TO COLLECTION				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUBSTRUCTURE (CONT'D)				
	Anti-Termite Treatment:				
A	Insecticide treatment on top of hardcore filling and over foundation walls applied as per manufacturer's instruction with a 10 year guarantee .	204	SM		-
	Damp proof mebrane				
B	Single layer of 1000 gauge polythene sheeting laid on blinded hardcore with 150 mm side laps to receive concrete.	204	SM		-
	CONCRETE WORKS:				
	Plain concrete as described in:-				
C	50mm thick mass concrete class P (1:4:8) to bottoms of foundations.	54	SM		-
	Vibrated Reinforced Concrete Class 20 in:-				
D	Foundation strip footing	8	CM		-
E	100mm thick surface bed.	204	SM		-
F	200 x 300mm ground beam.	4	CM		-
	REINFORCEMENT STEEL (Provisional): **Deformed high yield steel ribbed bars reinforcement to KS 573: 2014 for cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools**				
G	8 mm bars.	300	KG		-
H	10 mm ditto.	200	KG		-
I	12 mm ditto.	150	KG		-
	B.R.C. Mesh				
J	Mesh fabric reinforcement complying with B. S 1483Ref A66 embedded in floor slab (measured net with no allowance for minimum of 225mm.	204	SM		-
	Sawn timber formwork to:				
K	Edges of floor bed girth 75 - 150 mm high	60	LM		-
	CARRIED TO COLLETION				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Foundation Walling **200mm Thick approved natural stone; local; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar and reinforced with 25mm wide x 20 gauge hoop iron in alternate courses as described in:**				
A	200 mm Thick.	126	SM		-
	Damp Proof Membrane				
B	200mm thick bituminous felt damp proof course	65	LM		-
	PLINTH FINISHES **12 mm Thick cement and sand (1:3) wood float render on:**				
C	Dressed stone wall and concrete surfaces of plinths.	26	SM		-
	Prepare and apply three coats bituminous paint to rendered plinths				
D	Rendered plinth surfaces	26	SM		-
	CARRIED TO COLLETION				-
	COLLECTION				
	Brought forward from page C/1 *-Classrooms*				-
	Brought forward from page C/2 *-Classrooms*				-
	Brought forward from page C/3 Above *-Classrooms*				-
	TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.2				
	RING BEAM				
	Insitu Vibrated reinforced concrete ; class 20 / 20mm);				
A	Ring beam	4	CM		-
	Reinforcement				
	Bars; high vield steel; cold worked to BS 44 61 including				
	bends. Hooks,tying wire and distance blocks				
B	12mm Square Twisted Bars.	295	KG		-
C	8mm diameter Mild Steel Bars.	145	KG		-
	Sawn formwork to insitu concrete as described:-				
D	To sides and soffits of beams	51	SM		-
E	To sides of columns	7	SM		-
	STEEL COLUMNS				
	75mm x 1.5mm thick Circular Hollow Section CHS				
F	2500mm long fixed with fish tail lugs to concrete floor slab	7	NO		-
	TOTAL FOR FRAME CARRIED TO SUMMARY				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 3 SUPERSTRUCTURE NATURAL STONE WALLING				
A	200mm thick approved local; machine cut; bedding jointing and pointing in cement sand (1:3) mortar	144	SM		-
B	Ditto gable walling	12	SM		-
	TOTAL FOR SUPERSTRUCTURE WALLING CARRIED TO SUMMARY				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 4 ROOFING Galvanized corrugated Sheet roofing: 30 gau ge ; Prepainted				
A	Roof covering not exceeding 22.5º from horizontal; fixing to timber structure (m/s) with roofing nails and neoprene washers.	232	SM		-
	Accessories, fixing as necessary to roof				
B	Ridge cap	21	LM		-
	CARPENTRY Grade 11 well seasoned cypress The following including scarfed or dovetailed jointing, hoisted 3.5m above the ground floor slab				
C	150 X50mm sawn cypress tie beam.	116	LM		-
D	100 x 50mm rafters.	182	LM		-
E	100 x 50mm wall plate rag-bolted at 1200mm centres with 12mm diameter bolts (m/s).	40	LM		-
F	100 x 50mm sawn cypress struts.	180	LM		-
G	75 X 50mm sawn cypress purlins.	231	LM		-
	Wrot cypress,prime grade				
H	200 X 25mm thick fascia board.	65	LM		-
	Painting and Decorations On Woodwork Prepare and apply one undercoat and two c oats of CROWN SOLO' or other equal and approved super gloss oil paint to:-				
I	Fascias; 200 to 300mm girth; external	65	LM		-
	TOTAL FOR ROOFING CARRIED TO COLLECTION				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Rainwater Goods **Heavy gauge UPVC, stabilized grey plastic gutters, jointed and fixed to fascia with brackets tp BS 1091.**				
A	Size 180mm diametre	41	LM		-
B	Extra for bend	8	NO		-
C	Extra for stopped end, with outlet.	4	NO		-
C	Extra for click fit gutter union.	20	NO		-
D	Down pipes diametre 100mm	14	LM		-
E	Gutter support brackets, 180mm diametre	45	NO		-
	TOTAL FOR ROOFING CARRIED TO SUMMARY				-
	COLLECTION				
	Balance b/f from page 6 *-Classrooms*				-
	Balance b/f from page 7 above *-Classrooms*				-
	TOTAL FOR ROOFING CARRIED TO SUMMARY				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5				
	DOORS				
	Wrot Hardwood framed frames and framings				
A	150 x 50 mm; 2No labours; plugged door frame	16	LM		-
B	40 x 25 mm weathered architrave	12	LM		-
C	25mm rounded quardrant	12	LM		-
	45mm Panel door; wrot hardwood; Camphor or equal and approved hardwood				
D	Door size 900 x 2100mm high	2	NO		-
E	15 x 90mm hardwood timber louvre fixed on rake as permanent vent on top of all doors	12	LM		-
	Iron mongery				
	Supply and fix the following to UNION catalogue or other equal and approved				
	To hardwood or the like fixing with screws				
F	Two lever mortice lock complete with set lever brass handle furniture	2	NO		-
G	100mm Pressed steel butt hinges	3	PRS		-
H	Rubber door stop complete with 38 mm rawl bolt	2	NO		-
	Painting and Decorations				
	On Wood Work				
	Prepare and apply three coats oil paint full gloss to				
	Crown Solo or other equal and approved to:-				
I	General surfaces of panel doors Internally	10	SM		-
	Aluminiun primer or other equal and approved wood primer before fixing:-				
J	Backs of frame, board, etc over 100mm but not exceeding 200mm girth.	14	LM		-
	Prepre and apply three coats polyurethane clear varnish on woodwork internally.				
K	Frames; over 100mm but not exceeding 200mm girth	14	LM		-
	TOTAL FOR DOORS CARRIED TO SUMMARY				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 6 **WINDOWS** **Frames**				
	Wrot Camphor, or equal and approved Hardwood				
A	150x50mm.frame plugged.	88	LM		-
B	Ditto Mullions	45	LM		-
C	Bore 50mm. on frame for 12mm.diameter rods	400	NO		-
D	20x20mm. Stop.	160	NO		-
	Metalwork				
E	12mm.diameter mild steel rod horizontal burglar proof bars.	232	LM		-
	Painting				
G	Ditto girth 200-300mm.	133	LM		-
H	Ditto to small metal bars	232	LM		-
I	Prime back of timber before fixing girth 200-300mm.	88	LM		-
	NACO" (or other equal and approved) patten adjustable aluminium end frames				
	Fixing with aluminium screws; plugging or fixing to concrete or blockwork base; scaling with mastic; oiling and adjusting on completion.				
J	Set of 8No blade carrier; 150mm wide clip end frames vertical; one piece with control gear.	40	NO		-
	Glazing				
K	150mm wide louvre blades with round edges	144	LM		-
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 7				
	FINISHES				
	FLOOR FINISHES				
	Cement and sand (1:3) as described in:				
A	40 mm Thick steel trowel smooth.	194	SM		-
	Chalk board				
B	3200 x 1500mm wide,25mm thick blockboard plugged to concrete or blockwork complete with 50 x 25mm thick chamfered frame all round : 3 coats of black bituminous paint	2	NO		-
	12 mm (minimum) two-coat plaster; 9 mm first coat of cement and sand (1:6), 3 mm second coat of cement and lime putty (1:10); steel trowelled smooth to:				
C	Walls	225	SM		-
	Painting & Decoration				
D	Carefully prepare the plastered surface by sanding and skimming with gysum powder to achieve the smooth surface.	190	SM		-
	Apply three coats of premium quality silk vinyl paint to Plastered:-				
E	Walls	190	SM		-
	EXTERNAL WALL FINISHES				
	Render; 18mm Thick, 1 No. coatwork of cement and sand (1:3); wood floated to concrete or stone work base generally to: -				
F	Extra over walling for key pointing externally; patterns to Architect's approval	130	SM		-
	CARRIED TO COLLECTION				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 7 (CONT'D)				
	12mm (minimum) two coat plaster ;9 mm first coat of cement and sand (1;6), 3 mm second coat of cement and lime putty (1;10); steel trowelled smooth to				
A	Door and window copras, beams, and columns	100	LM		-
	Painting and Decorating Apply three coats of premium quality silk vinyl paint to Plastered:-				
B	Rendered stone wall and concrete surfaces	100	LM		-
C	Provide all materials and construct concrete ramp, minimum gradient 1:10.	2	ITEM		-
	CARRIED TO COLLECTION				-
	COLLECTION				
	Balance brought forward from page 10 - *Classrooms*				-
	Balance brought down from page 11 Above - *Classrooms*				-
	TOTAL FOR FINISHES CARRIED TO SUMMARY				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY FOR BUILDER'S WORKS				
1	SUBSTRUCTURE (ALL PROVISIONAL - *Classrooms*				-
2	FRAME *-Classrooms*				-
3	EXTERNAL & INTERNAL WALLING -*Classrooms*				-
4	ROOFING *-Classrooms*				-
5	DOORS *-Classrooms*				-
6	WINDOWS *-Classrooms*				-
7	FINISHES *-Classrooms*				-
	TOTAL FOR BUILDER'S WORKS - CLASSROOM CARRIED TO SUMMARY PAGE -CLASSROOMS				-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELECTRICAL INSTALLATION				
	Supply, install, test and commission the following;				
1.01	**LIGHTING POINTS**				
	Lighting points wired in drawn in concealed 20mm diameter heavy gauge PVC conduit complete with all necessary accessories excluding switches, fittings and 3 x 1.5mm2 PVC/SC copper cables.				
	(a) One way switching	NO	16		-
1.02	10A moulded ivory type switch plates as Crabtree or approved equivalent as follows				
	(a) One gang one way	NO	4		-
	(b) Two gang one way	NO	0		-
	LIGHT FITTINGS AS FOLLOWS:				
1.03	Light fittings complete with lamps of appropriate wattage and colour rendering as follows:				
	b). Single, 4 ft, 1200mm, 1X36W HPF Bare batten fluorescent fitting as THORN PP136.	NO	16		-
1.04	**SOCKET OUTLET AND POWER POINTS**				
	Socket outlet points wired in drawn in concealed 20mm diameter heavy gauge PVC conduit complete with all necessary accessories excluding switches, fittings and 3 x 2.5mm2 PVC/SC copper cables	NO	4		-
1.05	13A, 2-gang switched moulded socket outlet plate as Crabtree or approved equivalent	NO	4		-
1.06	Extract fan points wired in drawn in concealed 20mm diameter heavy gauge PVC conduit complete with all necessary accessories excluding switches, fittings and 3 x 1.5mm2 PVC/SC copper cables.				
	i). one way switching	NO	0		-
1.07	Ceiling fans as ORIENT DELUXE complete with speed regulators for item 1.06 above.	NO	0		-
1.08	**CONSUMER UNITS/DISTRIBUTION BOARDS**				
	6-Way SP/N consumer unit as flush mounted complete with a 100A SP/N intergral as CRABTREE or approved equivalent	NO	1		-
1.09	Single pole miniature circuit breakers to fit into the above consumer unit as follows:-				
	(i) 10A SP	NO	2		-
	CARRIED TO COLLECTION				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	(ii) 30A SP	NO	2		-
	(iii)Blanking plate	NO	2		-
	CARRIED TO COLLECTION				-
	COLLECTION				
	Balance brought forward from page 13 *-Electrical Works*				-
	Balance brought forward from page 14 Above *- Electrical Works*				-
	TOTAL FOR ELECTRICAL WORKS CARRIED TO SUMMARY PAGE -CLASSROOMS				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PROJECT BRANDING Tenderers shall allow for provision sum for a project signboard to be branded as per approval of the Project Manager/Fund Account manager. The tenderer shall also allow for branding of the specific building as per the template provided by the Project Manager/Fund Account manager.				
A	Provide, erect and maintain publicity signboard on commencement of the project as directed by the Engineer.	1	SUM		-
	2-NO CLASSROOM BLOCK				
B	Provide publicity branding on specified building upon completion of the project as directed by the Project Manager/Fund Account manager.	1	SUM		-
	TOTAL SUM FOR PROJECT BRANDING CARRIED TO GRAND SUMMARY				-

HONGWE SPECIAL SCHOOL
2NO CLASSROOMS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	PROJECT MANAGEMENT EXPENSES **Tenderers shall price for the following requirements for project management. These shall then be availed as and when required by the Project Manager.**				
A	Allow for transport and lunch for at least 3No. officers to and from site. Transport to be provided as and when instructed by the Project Manager for the duration of the contract for a maximum of 5 trips.	TRIP	4	20000	80,000.00
B	Allow for transport and lunch allowance for 4No. Officer during bank account opening, application of bank statement and updating of cheque signing manadates.	TRIP	4	5000	20,000.00
	TENDER OPENING				
C	Allow for transport and lunch for atmost 5no. Officers to attend tender opening at NG-CDF Office. (3PMC Members and 2 Technical officers).	NO	5	5000	25,000.00
	TENDER EVALUATION				
D	Allow for transport and lunch for atmost 6No. officers to attend tender evaluation at NG- CDF Office. (3 PMC Members, procurement officer and 2 Technical Officers).	NO	5	5000	25,000.00
	PUBLIC WORKS INSPECTIONS				
E	Allow for transport and lunch for at least 2No. officers to attend project inspection.	TRIP	4	5000	20,000.00
	TOTAL PROJECT MANAGEMENT EXPENSES CARRIED FORWARD TO SUMMARY PAGE - CLASSROOMS				**170,000.00**

HONGWE SPECIAL SCHOOL
2NO CLASSROOMS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY PAGE -CLASSROOMS				
1	BUILDER'S WORKS				-
2	ELECTRICAL WORKS				-
3	PROJECT BRANDING				-
	SUB-TOTAL (A) (INCLUSIVE OF 16% V.A.T)				-
4	ADD 0.03% OF SUB-TOTAL A (EXCLUSIVE OF 16% VAT) FOR PUBLIC PROCUREMENT CAPACITY BUILDING LEVY				-
	SUB-TOTAL (B)				-
5	PROJECT MANAGEMENT EXPENSES				170,000.00
	TOTAL FOR CLASSROOMS CARRIED FORWARD TO GRAND SUMMARY				

A	*B*	*C*	*D*	*E*
Item	*Description of Goods*	*Quantity*	*Unit price*	*Total Price in Ksh*
1	STUDENTS TABLES a) Size: PWD syudents table – 1.5mx0.75mx1.3m metres length b) Main Material: Hardwood – 100% seasoned hardwood timber (e.g., mahogany, mvule, cypress, or equivalent) c) Type: Locally fabricated/made d) Height: 0.75 – 0.80 m e) Stability: Non-wobbling, balanced construction f) Edges & Corners: Smooth, rounded or chamfered for safety g) Durability: Must withstand daily office use h) Safety: Non-toxic finishes, no sharp edges i) Inspection: Supplier must allow pre-delivery inspection/verification j) Delivery Condition: Fully assembled k) Delivery Schedule: As per contract timeline l) Branding: As per NGCDF Brand manual/Guideline	16		-
2	STUDENTS CHAIRS a) Design: Hard wooden frame with solid armrests (mahogany, mvule, or equivalent) b) Seat & Back: Cushioned with dark-colored upholstery c) Armrests: Solid wood, well-rounded and polished d) Structure: High backrest, thick padded seat, smooth wooden armrests, sturdy wooden legs e) Style: Locally made f) Weight Capacity: Minimum 120 kg g) Stability: Non-wobbling, balanced construction h) Wood treated against pests and warping i) Smooth varnished finish for professional appearance Branding: As per NGCDF Brand manual/Guidelines	64		-
	SUB-TOTAL			-
4	***0.03% PPRA Capacity Building Levy (0.03% of sub-total)***			-
5	**16% VAT of the Subtotal**			-
6	**PMC Administration Expenses**			**90,245.00**
	TOTAL FOR FURNITURE CARRIED FORWARD TO GRAND SUMMARY			*-*

GRAND SUMMARY					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	GRAND SUMMARY				
1	TOTAL FOR CLASSROOMS				-
2	TOTAL FOR FURNITURE				-
	GRAND TOTAL CARRIED FORWARD TO FORM OF TENDER				-

Contractor's Name and
address……

Date……..

Signature……

Witness's Name and
Address……

Date……

Signature……

END