

**THE PROPOSED CONSTRUCTION OF 5 NO. CLASSROOMS  
STAIRS AT HOSPITAL HILL PRIMARY SCHOOL**

**BY**

**WESTLANDS NG-CDF**

**BILLS OF QUANTITIES**

PREPARED BY

*HOUSING AND URBAN RENEWAL SUB-SECTOR*

*NAIROBI CITY COUNTY*

*P.O.BOX 30075*

**NAIROBI**

**NOV 24**

**PRELIMINARIES**

ITEM NO	DESCRIPTION	AMOUNT(Kshs)
A	<p><b><u>SUFFICIENCY OF TENDER</u></b></p> <p>The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his Tender for the works and for rate and the priced Bill of Quantities which rates and prices shall cover all his obligations under the contract and all matters and the things necessary for the proper completion and maintenance works</p> <p>Definition of Terms and Abbreviations</p> <p>Terms and abbreviations used in the Bill of quantities shall be interpreted as follows;-</p> <p>‘B.S’ shall mean the current British Standard specification published by the British standards institutions, 2 park Street, London W.1, England.</p> <p>“Ditto” shall mean the whole of the preceding subscription except as qualified in the section in which it occurs. Where it occurs in brackets it shall mean the whole of the preceding description which is contained within the appropriate brackets.</p> <p>“n.e” shall mean not exceeding  “100-200” shall mean over 100 and not exceeding 200 and shall apply equally to any other combination of figures expressed in a similar fashion.</p> <p>“m.s “ shall mean measurer separately  “mm” shall mean linear millimeter  “m1” shall mean linear metre  “m2” shall mean square metre  “m3” shall mean cubic metre  “kgs” shall mean square hollow section  “No” shall mean number</p>	
	To Collection	

ITEM NO	DESCRIPTION	AMOUNT (Kshs)
A	<p style="text-align: center;"><b><u>Temporary Roads Etc</u></b></p> <p>The Contractor shall allow for building any temporary roads for the transport of materials required for the complete execution of the Works including the provision of temporary culverts, crossing, bridges or any other temporary structure</p> <p>Upon the completion of the Works the Contractor shall remove such temporary roads, culverts, bridges, etc., and make good and reinstate all works and services disturbed to the satisfaction of the Engineer.</p>	
B	<p><b><u>Area to be occupied by the Contractor.</u></b></p> <p>The area of the site, which may be occupied by the Contractor for storage and for the purpose of erecting workshops, etc., shall be defined on the site by the Engineer or shown upon the site Plan.</p>	
C	<p><b><u>Protection of existing services.</u></b></p> <p>The Contractor is to ascertain from the relevant authorities the exact position, depth and level of all existing electric cables, water pipes, or other services passing under, over or above the Site and he shall make whatever provisions that may be required by the Authorities concerned for the support and protection of such services. Any damage or disturbance caused to any services shall be reported immediately to the Engineer and the relevant Authority shall be made good to their satisfaction at the Contractor's expense.</p>	
D	<p style="text-align: center;"><b><u>Protection of Existing Property</u></b></p> <p>The Contractor shall take every precaution to avoid damage to any existing property on or adjacent to the site and he shall be responsible for making good all such damage at his own expense.</p>	
	To Collection	

ITEM NO	DESCRIPTION	AMOUNT(Kshs).
A	<p><b><u>Protection of Public and Private Roads etc</u></b></p> <p>Should the Contractor by his operation interfere in any way with the existing means of access to a dwelling house, shop, footpath, street (private or public), or the works or lands of the employer or other persons or bodies, he shall at his own expense provide other suitable temporary access in lieu of the access severed or interfered with and when directed shall properly fence off and protect any such existing or temporary access until work shall be done to the satisfaction of the Engineer.</p>	
B	<p><b><u>Security of the Works</u></b></p> <p>The contractor shall be entirely responsible for the security of all Works, stores, materials, plants, personnel, etc., both his and sub-contractor's and shall provide all necessary watching, lighting and other precautions as necessary to ensure the security of all the Works.</p>	
C	<p><b><u>Protection of the Works</u></b></p> <p>The Contractor shall protect the whole of the works from inclement weather and he shall be responsible for making good all such damage at his own expense.</p>	
D	<p><b><u>Water for the Works</u></b></p> <p>Provide water for the whole of the Works including all necessary services, storage and distribution from existing N.C.C. supply and pay all charges in connection therewith. (provision of water for nominated sub-contractors is included in the items of attendance).</p>	
E	<p><b><u>Temporary Lighting and Power</u></b></p> <p>Provide all temporary and lighting and power for the Works as required together with all fitting, and pay all charges in connection therewith. (Provision of lighting and power for nominated sub-contractors is included in the items of attendance).</p>	
	To Collection	

ITEM NO	DESCRIPTION	AMOUNT(Kshs).
<p><b>A</b></p> <p><b><u>Telephone</u></b></p> <p>The contractor shall arrange for, provide and maintain a telephone upon the Site from the commencement to completion of the contract and shall pay all charges in connection therewith.</p> <p><b>B</b></p> <p><b><u>Temporary Buildings</u></b></p> <p>Provide sheds for storage accommodation for all goods and materials liable to suffer damage from exposure to sunlight or inclement weather.</p> <p>Provide a properly ventilated lockable office, protected from the sun, for the Engineer’s representative, having a minimum floor area of 14 square metres with a concrete or timber floor and glazed windows. Provide a 1,600 x 760 mm desk with artificial lighting and cleaning facilities for the duration of the Works.</p> <p>Provide sanitary facilities as necessary for the use of work people engaged on the Site, in accordance with the requirements of Nairobi City Council, and maintain the whole in a clean and sanitary condition remove when no longer required and reinstate the area as directed.</p> <p>Provide lockable sanitary accommodation for the sole use of the Engineer’s representative, maintain in a clean and sanitary condition, remove when no longer required and reinstate the areas as directed</p> <p>No labour with the exception of the watchmen shall be housed upon the Site.</p> <p><b>C</b></p> <p><b><u>Notice Boards</u></b></p> <p>The Contractor is to erect on possession of the Site a painted name board size 1880 x 1,100 mm in conformity with a design prepared by the Engineer.</p>		
	To Collection	

ITEM NO	DESCRIPTION	AMOUNT(Kshs).
A	<p><b><u>Advertisements</u></b></p> <p>The Contractor shall not allow, except with the consent in writing of the Engineer, bill posting or advertising of any kind upon the Works or upon any place of which the contractor has possession for the purpose of carrying out this contract, or take publish or advertise any photographs or any printed matter or use name of the Engineer in relation to the contract.</p>	
B	<p><b><u>Copyright</u></b></p> <p>The copyright of these Bills of Quantities is vested in the City Council of Nairobi and they may not be reproduced in whole or in part without the Engineer's written permission.</p>	
C	<p><b><u>General Scaffolding</u></b></p> <p>Provide and erect all necessary general scaffolding during the course of the work and maintain, adapt, dismantle and re-erect as required and remove when no longer needed.</p>	
D	<p><b><u>Labour, Material etc.</u></b></p> <p>Provide all labour, materials, plant, tools, vehicles and everything necessary for the efficient execution and completion of the works including transport for materials and workmen to and from the site.</p>	
E	<p><b><u>Working Hours</u></b></p> <p>The contractor shall submit for the approval of the Engineer a schedule of proposed working hours. No work shall be carried out on any Sunday or Public Holiday without the written permission of the Engineer.</p>	
F	<p><b><u>Visitors to Site</u></b></p> <p>The contractor is required to control all visitors to the site and to keep out unauthorized visitors and to provide a visitors' book and ensure that all authorized visitors sign therein.</p>	
To Collection		

ITEM NO	DESCRIPTION	AMOUNT(Kshs).
A	<p><b><u>Contractor's Tips</u></b></p> <p>The contractor shall provide a tip or tips at his own expense for the disposal of all the rubbish collected when clearing the site and during the construction of the Work and also for any surplus material not required on the site. The tip sites shall be approved by the Medical Officer of Health.</p>	
B	<p><b><u>Clearing away and making good</u></b></p> <p>The Contractor shall, upon completion of the work, remove and clear away temporary buildings, work plant, rubbish, and unused materials, and shall leave the whole of the site, the works in a clean and tidy state to the satisfaction of the Engineer. He shall also remove all rubbish and dirt from the site as it accumulates or as directed by the Engineer. Particular care shall be taken in leaving windows clean and removing all paint and cement stains there from. On completion remove all broken scratched or cracked glass panes and replace with new.</p>	
C	<p><b><u>Keeping excavations free from water</u></b></p>	
D	<p><b><u>Allow for keeping all excavations free from general water.</u></b></p>	
E	<p><b><u>Measurement of the Works</u></b></p> <p>The whole of the works contained in this bill of Quantities is measured on the basis of the current standard methods of measurement of Building Works published by the Institution of Architectural Association of Kenya,.</p> <p>Work in this contract that is liable to adjustment had been measured as "Provisional" in this Bill of Quantities, and no excavation or foundation work or other work so described shall be filled in or covered up until all measurements needed for the adjustment of variations under clause II of the conditions of contract have been made by the Engineer.</p>	
	To Collection	

ITEM NO	DESCRIPTION	AMOUNT(Kshs).
	<p>All items of measured work shall be priced in detail and tenders containing lump sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted. Lump sums to cover several items of preliminaries likewise shall be broken down if so required.</p> <p>The rates set down by the contractor against each item in the Bill of Quantities shall, unless otherwise expressly provided to the contrary, or unless there is a separate item for the extra labour, cutting and waste, be held to include for waste on materials, carriage, cartage, carrying in and return of empties, hoisting, setting, fitting and fixing in position, making good and all other labours and everything else necessary for the proper completion of each item and for establishment charges and profit</p> <p>The Contractor shall be deemed to have made allowance in his prices generally to cover items of preliminaries, expenses in connection with P.C. Sums or other items, if these have not been priced against respective items.</p> <p><u>Day works</u></p> <p>Day work ordered under clause 11(4) of the conditions of contract shall be executed at the following rates: -</p> <p>i) Labour: The prime cost of labour to which ..... per centum shall be added.</p> <p>Materials: The prime cost of materials delivered to site which.....per centum shall be added.</p> <p>These percentage additions shall cover all insurances, use of tools and plant, sharpening tools, wear, supervision, watching lighting, establishment and overhead charges and profit.</p> <p>Day works will be allowed only where specifically ordered by the Engineer in writing. All Day work sheets must be signed by the Engineer and the contractor or their authorized representatives.</p>	
	To Collection	

ITEM NO	DESCRIPTION	AMOUNT(Kshs).
<p><b>A</b></p>	<p><b><u>INSURANCE</u></b></p> <p>The contractor shall allow for insurance against, mong other risks, personal injury; loss of or damage to the works materials and plant; and loss of and damage to the property as per clause 15 of the conditions of contract.</p>	
<p><b>B</b></p>	<p><b><u>SAMPLES AND TESTING</u></b></p> <p>Allow for carrying out tests on the materials and construction. The contractor shall also provide every facility to enable the Engineer to obtain samples and carry out tests on the materials and construction. If these tests show that any of materials or construction does not comply with the with the requirements of these preambles, the contractor will be responsible for the cost of the tests and the replacement of defective materials and or construction.</p>	
<p><b>C</b></p>	<p><b><u>FIXED CONTRACT</u></b></p> <p>This is a “fixed” price contract no contractual claim (s) will be entertained with respect to increase in local currency, building materials and labour.</p>	
<p><b>D</b></p>	<p><b><u>SALES TAX/VALUE ADDED TAX</u></b></p> <p>The contractor’s attention is drawn to the sales tax and the value added tax acts ormost recent and any subsequent amendments thereafter and his tender is deemed to include for all costs arising or resulting there from.</p>	
	<p>To Collection</p>	

ITEM NO	DESCRIPTION	AMOUNT(Kshs).
A	<p><b><u>Nominated Sub-Contractors</u></b></p> <p>The contractor shall be responsible for giving all necessary directions to nominated sub-contractors ascertaining their requirements, co-ordinating their work and arranging for them to be on site at proper time for the ordered progress of the works. He shall place all orders with nominated sub-contractors clearly on his own behalf shall not pledge the credit of the Employer either directly or indirectly. In no case shall the contractor be deemed to be the agent of the Employer nor shall there be created any privity of contract as between the Employer and the nominated sub-contractor.</p> <p>The term “add for attendance” on nominated sub-contractors works shall be deemed to include for all requirements contained in clauses on general and special attendance in the standard method of measurement hereinbefore described except that where “special scaffolding” is required to be provided by the contractor this shall be described separately.</p>	
B	<p><b><u>Direct contract work</u></b></p> <p>The term “add for attendance” on direct contract work shall be deemed to include for all requirements contained in the same item for nominated sub-contract work previously described.</p>	
C	<p><b><u>Training Levy</u></b></p> <p>The contractor’s attention is drawn to legal notice No. 237 of October, 1971 which requires payment by the contractor of a training level of the rate of 2.5% of contract sum on all contracts of more than Kshs.50,000/= in value and his tender must include for all cost arising or resulting there from.</p>	
	To Collection	

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

ITEM NO	DESCRIPTION	AMOUNT(Kshs).
	<p><u>Collection</u></p> <p><b>Page No. PP/1</b></p> <p><b>Page No. PP/ 2</b></p> <p><b>Page No. PP/3</b></p> <p><b>Page No. PP/4</b></p> <p><b>Page No. PP/5</b></p> <p><b>Page No. PP/6</b></p> <p><b>Page No. PP/7</b></p> <p><b>Page No. PP/8</b></p> <p><b>Page No. PP/9</b></p> <p><b>TOTAL OF ELEMENT NO. 1</b></p> <p><b>GENERAL CONDITIONS AND PRELIMINARIES</b></p> <p><b>CARRIED TO GENERAL SUMMARY</b></p> <p><b>PP/10</b></p>	

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<b><u>ELEMENT NO.1 SUBSTRUCTURES</u></b>				
	<b><u>(All provisional)</u></b>				
	<b><u>Excavations and Earthworks</u></b>				
	<b><u>No allowance is made in excavations for working space.The contractor to include in his rates.</u></b>				
A	Clear site of all grass and small plants not exceeding 300mm girth and cart away or burn arisings.	SM	470		
B	Excavate oversite average 150mm deep to remove vegetable soil, load, wheel and deposit 100 meters away and later spread and level onn site where directed	SM	470		
C	Excavation of foundation trenches 600 wide commencing from reduced level and cart away from site as directed; not exceeding 1.5m deep.	CM	124		
D	Excavate for column bases starting from striped levelbut not exceeding 1.5m dp from ground level.	CM	148		
E	Load, wheel and cart away from site surplus excavated material and deposit in approved dumping area.	CM	130		
F	Return fill and well ram selected excavated material around foundations.	CM	142		
	<b><u>Fillings</u></b>				
G	50mm fine material for blinding (murrum/quarry dust) to surface of hardcore well rolled and levelled	SM	470		
H	300mm thick approved hardcore filling spread, lvelled, well rammed amd consolidated in 150mm thick layers to receive concrete surface bed	SM	470		
I	Anti-termite treatment as "Premise 200sc" distributed by high chemicals essentials or other equal and approved applied to surface of blinded hardcore and surrounding areas strictly in accodance with manufacturer's instructions (subject to a TEN YEAR GUARANTEE to the satisfaction of the Architect	SM	510		
	<b>Total Carried to collection for Substructures</b>				

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<b>SUBSTRUCTURES CONT'D.....</b>				
A	1000 gauge polythenwe D.P.M underlay sheeting to bottom of slab with end side laps of 150mm.	SM	510		
B	Allow for keeping excavations free from all water by draining pumping or otherwise	Item			
C	Allow for maintaining and upholding sides of excavations as necessary clearing away any debris, rubbish etc.	Item			
	<b>50 mm thick plain concrete mix 1:4:8 blinding to:</b>				
D	Strip Footing Foundation	SM	124		
E	Column bases.	SM	110		
	<b><u>Vibrated Reinforced Concrete mix (1:1.5:3) class 25/20mm in;</u></b>				
F	Column bases	CM	31		
G	Columns.	CM	10		
H	Strip Footing Foundation	CM	20		
I	150mm Thick floor slab.	SM	470		
	<b><u>Reinforcement</u></b>				
	<b><u>High tensile steel reinforcemnt to B.S 4449 and B.S 4466 with and including all necessary tying wires and spacer blocks</u></b>				
J	8mm diameter bars	KGS	434		
K	10mm diameter bars	KGS	451		
K	12mm diameter bars	KGS	528		
L	16mm diameter bars	KGS	1,082		
M	Steel Fabric Mesh reinforcement ref A142 weighing 2.22Kg/M2 and to BS 4483 and with 150 mm side laps or equal and approved reinforcement in concrete slab including all necessary tying and support (No allowance for laps)	SM	470		
	<b><u>Sawn Formwork to: -</u></b>				
N	Vertical sides of columns	SM	89		
O	Edges of slab, 75-150mm girth.	LM	150		
	<b>Total Carried to collection for Substructures</b>				

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<b><u>SUBSTRUCTURE CONTINUED</u></b>				
	<b><u>Foundation walling</u></b>				
A	200 mm thick natural quarry stone foundation walls: bedded and jointed in cement and sand (1:3) mortar	SM	306		
	<b><u>Plinths</u></b>				
B	12mm Thick cement/sand (1:4) render to plinths	SM	18		
C	Approved bituminous paint to rendered surfaces	SM	18		
	<b>Total Carried to collection for Substructures</b>				



PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Quantity	Rate	Amount
	<b><u>GROUND FLOOR</u></b>				
	<b><u>ELEMENT NO.1</u></b>				
	<b><u>REINFORCED CONCRETE SUPERSTRUCTURE</u></b>				
	<b><u>In situ concrete grade 25/20 including vibrating around reinforcement.</u></b>				
A	Columns	<b>CM</b>	10		
B	Beams	<b>CM</b>	16		
C	Staircase Waist and steps	<b>CM</b>	4		
D	150mm thick suspended slab	<b>SM</b>	470		
E	150mm thick Staircase Landing	<b>SM</b>	6		
	<b><u>Reinforcements ( All Provisional)</u></b>				
	<b><u>High tensile steel reinforcemnt to B.S 4449 and B.S 4466 with and including all necessary tying wires and spacer blocks</u></b>				
F	8mm diameter bars	<b>KGS</b>	1,416		
G	10mm diameter bars	<b>KGS</b>	1,093		
H	12mm diameter bars	<b>KGS</b>	893		
I	16mm diameter bars	<b>KGS</b>	1,287		
J	20mm diameter bars	<b>KGS</b>	2,800		
	<b><u>Sawn Formwork to: -</u></b>				
L	Sides and soffits of beams.	<b>SM</b>	138		
M	Vertical sides of columns.	<b>SM</b>	201		
N	Soffits of slab and landings.	<b>SM</b>	470		
O	Sloping soffits of staircase	<b>SM</b>	32		
Q	Riser 75-150mm girth	<b>LM</b>	48		
R	Edges of slab and landings 75-150mm girth.	<b>LM</b>	104		
	<b>Total for R.C. Superstructures Carried to Summary Page</b>				

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Quantity	Rate	Amount
	<b><u>ELEMENT NO. 2 WALLING</u></b>				
	<b><u>200mm thick machine dressed masonry walling bedded, jointed and pointed in cement/sand (1:3) mortar to architects approval</u></b>				
A	200mm thick External Wall	<b>SM</b>	265		
B	Ditto Internal walls	<b>SM</b>	90		
	<b><u>Decorative Clay Grille Bricks</u></b>				
C	150mm thick Decorative "Prompel" clay brick wall	<b>SM</b>	12		
	<b><u>Bituminous Damp Proof Course</u></b>				
	<b><u>Three ply hessian based bituminous felt damp proof course on levelled cement/sand mortar (1:3) mix;</u></b>				
D	200mm wide	<b>LM</b>	157		
	<b>Total for Walling Carried to Summary Page</b>				

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Quantity	Rate	Amount
	<b><u>ELEMENT NO. 3 WINDOWS</u></b>				
	<b><u>Steel casement window; purpose made standard metal casement sections complete with Zed sections; permanent ventilators comprising "T" bar gauze and metal hood; openable casements; coupling mullions; approved ironmongery; as per schedule. Pattern as shown in the Appendix to Architects approval</u></b>				
A	Window size 2400 x 1500mm high	<b>NO</b>	15		
B	Window size 2400 x 600mm high	<b>NO</b>	10		
	<b><u>Glazing</u></b>				
	<b><u>4mm Thick sheet glass and glazing to steel casement window with and including linseed putty; in</u></b>				
C	Clear Panes of various sizes	<b>SM</b>	68		
	<b><u>Prepare metal surfaces; apply undercoat and two finishing coats first grade eggshell paint; as "Crown paints" or other equal approved metallic paint on metal surfaces to</u></b>				
D	General surfaces; window and burglarproofing grilles internally (measured flat overall)	<b>SM</b>	68		
E	General surfaces; windows externally (measured flat overall)	<b>SM</b>	68		
	<b><u>Window cill</u></b>				
F	Precast concrete window cill and including finishing well,creating a throat and making good	<b>LM</b>	64		
	<b>Total for Windows Carried to Summary Page</b>				

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Quantity	Rate	Amount
	<b><u>ELEMENT NO. 4 DOORS</u></b>				
	<b><u>Metal Doors</u></b>				
	<b><u>the following purpose made mild steel doors complete with hanging and locking accessories fabricate in accordance with the Architectural designs and once primed with red oxide before delivery to the site by cutting and pinning fixing lugs to walls and plastering reveals in cement (1:3)mortar with all main frames in 50*40mm RHS Tubing</u></b>				
A	Door size 1200 x 2400mm high in Double leave, a fanlight 300mm high; c/w all necessary ironmongery; to the storage cabinet	<b>NO</b>	5		
B	Door size 900 x 2100mm high in Single leave, a fanlight 300mm high; c/w all necessary ironmongery	<b>NO</b>	5		
	<b><u>Painting and Decorating</u></b>				
C	Prepare and apply 2 coats of gloss oil paint to steel surfaces generally on steel doors	<b>SM</b>	48		
	<b><u>Glazing</u></b>				
	<b><u>4mm Thick sheet glass and glazing with and including linseed putty; in</u></b>				
D	Clear Panes of various sizes	<b>SM</b>	11		
	<b>Total Carried to collection for Doors</b>				

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Quantity	Rate	Amount
	<b><u>ELEMENT NO. 5 FINISHES</u></b>				
	<b><u>Ceiling Finishes</u></b>				
	<b><u>15mm Thick plaster in cement/sand 1:3) floated with a steel trowel; to soffits of slab and concrete surfaces to receive paint in:-</u></b>				
A	Suspended slab	SM	470		
	<b><u>Prepare surfaces and apply 1 undercoat and 2 coats of silk vinyl paint to or other equal approved on plastered masonry or concrete surfaces; to</u></b>				
B	Soffits of slab	SM	470		
	<b><u>Wall Finishes Internally</u></b>				
	<b><u>15mm Thick plaster in cement/sand (1:3) floated with a steel trowel; to block walls and concrete surfaces in:-</u></b>				
C	Wall surfaces to receive paint	SM	496		
	<b><u>Prepare surfaces and apply 1 undercoat and 2 coats of silk vinyl paint to or other equal approved on plastered masonry or concrete surfaces; to</u></b>				
D	Plastered wall surfaces	SM	496		
	<b><u>White Boards</u></b>				
E	2400x1200mm Aluminium magnetic white board to be mounted in all classes and laboratories	NO	5		
F	1200x1200mm Aluminium magnetic graph board to be mounted in all classes and laboratories	NO	5		
	<b><u>Soft Boards</u></b>				
G	12 mm premium aluminium brown rectangular softboard to be mounted in all classes and laboratories	SM	14		
	<b>Total Carried to collection for Finishes</b>				

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Quantity	Rate	Amount
	<b><u>Finishes Contd.....</u></b>				
	<b><u>Wall Finishes Externally</u></b>				
	<b><u>15mm Thick plaster in cement/sand (1:3) floated with a steel trowel; to block walls and concrete surfaces in:-</u></b>				
A	Wall surfaces to receive paint	SM	310		
	<b><u>Prepare surfaces and apply 1 undercoat and 2 coats of silk vinyl paint to or other equal approved on plastered masonry or concrete surfaces; to</u></b>				
B	Plastered wall surfaces	SM	310		
	<b><u>Floor Finishings</u></b>				
	<b><u>Cement and sand (1:4) mortar finished with a wooden trowel to floor surfaces: in</u></b>				
C	38mm Thick finished wooden trowelled cement sand screed	SM	445		
	<b><u>300 x 300 x 8mm Approved coloured NON-SLIP glazed ceramic floor tiles as 'Saj Ceramics' or other equal and approved; to regular pattern; grouting joints in matching cement; to;</u></b>				
D	Floors; on level screed (m/s)	SM	445		
	<b><u>Staircase and ramp Finishes</u></b>				
	<b><u>Plaster 9mm first coat of cement, lime putty and sand (1:2:9); 4mm second coat of cement lime putty and sand (1:1:6) steel trowelled to:</u></b>				
E	Landing	SM	18		
F	Risers	SM	12		
G	Treads	SM	12		
	<b><u>Prepare surfaces; apply three coats first grade silk vinyl emulsion paint as "crown paints" or equal approved; to steel trowelled plastered surfaces; in</u></b>				
H	Staircase landing	SM	18		
I	Risers	SM	12		
J	Treads	SM	12		
	<b>Total Carried to collection for Finishes</b>				

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Quantity	Rate	Amount
	<b><u>Finishes Contd.....</u></b>				
	<b><u>32mm thick sand(1:3) screed backing to receive rustic ceramic floor tiles/. Anti-slip ceramic tiles/ coloured polished cermaic tiles</u></b>				
A	Soffits of waist	SM	14		
B	Soffits of landing	SM	8		
C	Edges of waist	LM	12		
	<b><u>600*300*10mm thuck coloured/polished anti-slip ceramic floor tiles bedded and jointed in cement and finished with matching colour waterproof grout</u></b>				
D	Soffits of waist	SM	28		
E	Soffits of landing	SM	16		
F	Edges of waist	LM	24		
G	100mm High skirting	LM	78		
	<b><u>Ramp Finishes</u></b>				
	<b><u>32mm thick sand(1:3) screed backing to receive rustic ceramic floor tiles/. Anti-slip ceramic tiles/ coloured polished cermaic tiles</u></b>				
H	Ramp floor to a slope, landings and sides	<b>SM</b>			
	<b><u>12mm polished anti-slip terrazzo floor finish</u></b>				
I	Ramp floor to a slope, landings and sides	<b>SM</b>			
	<b>Total Carried to collection for Finishes</b>				
Item	Description	Unit	Quantity	Rate	Amount

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

A	<p><b><u>Staircase Balustrading</u></b></p> <p>900mm High balustrading comprising 75mm diameter stainless steel handrail on 50mmx50mm SHS stainless steel moulded balusters at approximately 250mm centres; 6No middle rails; to profile of staircase; all to detail - see Appendix</p>	<b>SM</b>	24		
B	<p><b><u>Prepare metal surfaces; apply undercoat and two finishing coats first grade eggshell paint; as "Crown paints" or other equal approved metallic paint on metal surfaces to</u></b></p> <p>General surfaces; of meatallic railing (measured flat overall)</p>	<b>SM</b>	24		
C	<p><b><u>WATERPROOFING</u></b></p> <p>Cement and Sand to the slab as waterproofing</p>	<b>SM</b>	470		
	<b>Total Carried to collection for Finishes</b>				
Item	Description	Unit	Quantity	Rate	Amount

**COLLECTION FOR FINISHES**

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**Total for Finishes Carried to Summary Page**

<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>	<b>Amount</b>
<b><u>SUMMARY</u></b>					

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

1	Superstructre R.C Frame				
2	Walling				
3	Windows				
4	Doors				
5	Finishes				
<b>SUB-TOTAL FOR GROUND FLOOR BUILDERS WORK CARRIED TO CRAND SUMMARY</b>					

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

BILL NO	Description	FROM PAGE	Amount (Kshs)
<b><u>BUILDERS WORK SUMMARY</u></b>			
1	SUBSTRUCTURES		
2	GROUND FLOOR		
	<b>Total for Builders Work Carried to Main Summary</b>		

PROPOSED 5NO. CLASSROOMS AT HOSPITAL HILL PRIMARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
A	<p style="text-align: center;"><b><u>P.C &amp; PROVISIONAL SUMS</u></b></p> <p><b><u>The contractor shall include in his tender the following to be deducted in whole or in part as directed by the Project Manager</u></b></p> <p><b><u>ELECTRICAL WORKS</u></b></p> <p>Provide the Provisional Sum of Kshs. Three Hundred Thousand (300,000/=) only for Electrical Installations for all the works</p>				300,000
B	<p><b><u>PROJECT MANAGER'S ADMINISTRATION EXPENSES</u></b></p> <p>Allow a Provisional Sum of KShs. One Hundrend Thousand (100,000/=) only for Project Management.</p>				100,000
C	<p>Allow a Provisional Sum of KShs. One Hundrend Thousand (100,000/=) only for PMC allowance</p>				100,000
D	<p><b><u>CONTINGENCY</u></b></p> <p>Provide the Provisional Sum of Kshs. Three Hundred Thousand (300,000/=) only for Contingencies to be omitted or expended in whole or in part at the discretion of the Architect</p>				300,000
	<b>Total Carried to Grand Summary</b>				<b>800,000</b>

**GRAND SUMMARY**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>AMOUNT (Kshs)</b>
1	<b>PRELIMINARIES</b>	
2	<b>BUILDERS WORK</b>	
3	<b>P.C &amp; PROVISIONAL SUMS</b>	<b>800,000</b>
	<b>GRAND TOTAL CARRIED TO FORM OF TENDERS</b>	

**Contractor's Name**.....

**Signature:** .....

**Address:** .....

**Date:**.....

**Witnes's Name:**.....

**Signature:** .....

**Address:** .....

**Date:**.....